

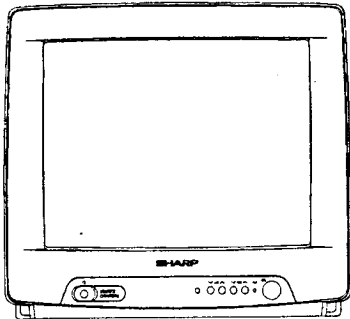
SHARP SERVICE MANUAL

SELS51DT25H/2

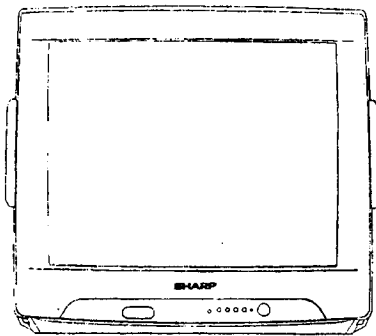
CA-1 CHASSIS

PAL SYSTEM COLOUR TELEVISION

37DT-25H MODELS 51DT-25H



37DT-25H



51DT-25H

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified be used.

For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
 8 Cherry Tree Rd, Chinnor
 Oxon OX9 4QY
 Tel:- 01844-351694 Fax:- 01844-352554
 Email:- enquiries@mauritron.co.uk

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ELECTRICAL SPECIFICATIONS

Aerial input Impedance 75 ohm unbalanced
Convergence Self Converging System
Focus Bipotential electrostatic
Audio Power Output Rating
..... 2 Watt (M.P.O.)(37DT-25H)
..... 4 Watt (M.P.O.)(51DT-25H)
Intermediate Frequencies
Picture IF Carrier Frequency 38.9 MHz
Sound IF Carrier Frequency 32.9 MHz
Colour Sub-Carrier Frequency 34.47 MHz
(Normal)
Power Input 220/240 Volts AC 50 Hz

Power Consumption 60 W(37DT-25H)
..... 84 W(51DT-25H)
Speaker Size 8 cm (Round)(37DT-25H)
..... 10 cm (Round)(51DT-25H)
Voice Coil Impedance 32 ohms(37DT-25H)
..... 16 ohms(51DT-25H)
Sweep Deflection Magnetic
Tuning Ranges 471.25 MHz-855.25 MHz
CATV Special channels

Specifications are subject to change without prior notice.

WARNING

The chassis in this receiver is partially hot. Use an isolation transformer between the line cord plug and power receptacle, when servicing this chassis.
To prevent electric shock, do not remove cover. No user - serviceable parts inside. Refer servicing to qualified service personnel.

IMPORTANT SERVICE NOTES

Maintenance and repair of this receiver should be carried out by qualified service personnel only.

SERVICING OF HIGH VOLTAGE SYSTEM AND PICTURE TUBE

When servicing the high voltage system, remove static charge from it by connecting a 10 k ohm resistor in series with an insulated wire (such as a test probe) between picture tube ground tag and high voltage lead (AC line cord should be disconnected from AC outlet).

1. Picture tube in this receiver employs integral implosion protection.
2. Replace with tube of the same type number for continued safety.
3. Do not lift picture tube by the neck.
4. Handle the picture tube only when wearing shatterproof goggles and after discharging the high voltage completely.

X-RAY

This receiver is designed so that any X-Ray radiation is kept to an absolute minimum. Since certain malfunctions or servicing may produce potentially hazardous radiation with prolonged exposure at close range, the following precautions should be observed.

1. When repairing the circuit, be sure not to increase the high voltage to more than 30.0 kV (at beam 1000 μ A) for the set.
2. To keep the set in a normal operation, be sure to make it function on 23.5 kV \pm 1.5 kV (at beam 800 μ A)(37DT-25H), 26.3 kV \pm 1.5 kV (at beam 800 μ A)(51DT-25H), in the case of the set. The set has been factory adjusted to the above mentioned high voltage. If there is a possibility that the high voltage fluctuates as result of the repairs, never forget to check for such high voltage after the work.
3. Do not substitute a picture tube with unauthorized types or brands which may cause excess X-Ray radiation.

BEFORE RETURNING THE RECEIVER

Before returning the receiver to the user, perform the following safety checks.

1. Inspect all lead insulation to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulating fishpapers, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacity networks, mechanical insulators, etc.

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SERVICE ADJUSTMENT

■ SERVICE MODE FUNCTION

This mode function is provided to assist with the settings of those adjustments that may vary from one Picture Tube to another, or between models.

In order to use the Service Mode

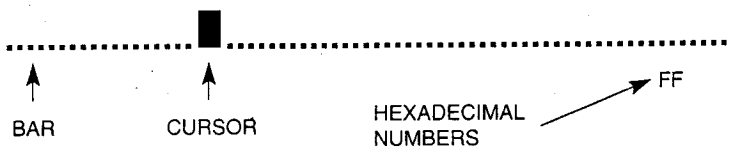
1. Press main switch to OFF.
2. Connect Test Pattern signal to antenna terminal.
3. Press ∇ \triangleleft and CH \wedge buttons and main switch to ON simultaneously.
4. -SERV- will appear on screen. Service mode is now entered.
5. Select adjustment using buttons \wedge CH ∇ .
To exit service mode, press main switch to OFF or press MENU button on R/C.

	Displayed on Screen	Hexadecimal Range	Function
	-SERV-		Indicates operative Service Mode.
a.	AGC	00 ~ 3F	Auto Gain Control.
b.	AFT	00 ~ 7F	Auto Frequency Control
c.	H-SHFT	00 ~ 3F	Horizontal Position shift
d.	V-SHFT	00 ~ 3F	Vertical Position shift.
e.	V-AMPL	00 ~ 3F	Vertical Amplitude shift.
f.	V-SLOP	00 ~ 3F	Vertical Symmetry alteration.
g.	V-DLY	00 ~ 3F	VIDEO Delay.
h.	GAIN R	00 ~ 3F	Red Gain.
i.	GAIN G	00 ~ 3F	Green Gain.
j.	GAIN B	00 ~ 3F	Blue Gain.
k.	NVM		Access to NVM memory.

6. For "a" thru j selections.

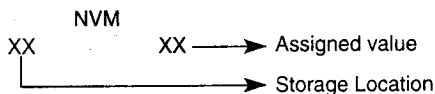
Adjustment to a selection can be made by pressing buttons \wedge \triangleleft ∇).

A colour bar is displayed on the OSD to indicate the adjustment position, together with hexadecimal numbers (Not for GII adjustment).



For "k" Selection.

NVM storage location settings variants.



In order to have access to the desired storage location, buttons \wedge \triangleleft ∇ should be pressed, as required, to obtain a higher or lower location, respectively. Bear in mind that, for storage location indication a hexadecimal numerical system is used, instead of a decimal system.

0, 1, 2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F, 10, 11,19, 1A, 1B, 1C, 1D, 1E, 1F, 20, 21, 99, 9A, 9B, 9C, 9D, 9E, 9F, A0, A1, B0, C0, D0, E0, F0, F1, F2, F3, F4, F5, F6, F7, F8, F9, FA, FB, FC, FD, FE, FF.

From the last location FF to the first 00 can be reached by increasing and from first to last by decreasing. Once the storage location to be varied has been selected, its value can be modified by the bits that form part of the storage location numerical buttons, numbers $\boxed{0}$ to $\boxed{7}$, respectively. This switches its binary number from and between 0 and 1 each time one of the buttons is pressed.

$$\boxed{0} = 2^0 = 1, \boxed{1} = 2^1 = 2, \boxed{2} = 2^2 = 4, \dots$$

ADD (HEX)	DESCRIPTION																
00	RED COLOUR TEMPERATURE																
01	GREEN COLOUR TEMPERATURE																
02	BLUE COLOUR TEMPERATURE																
03	VERTICAL SHIFT																
04	HORIZONTAL SHIFT																
05	VERTICAL AMPLITUDE																
06	VERTICAL SLOPE																
07	LUMA DELAY PAL																
08	LUMA DELAY SECAM																
09	S-CORRECTION																
0A	AGC																
0B	<p>OPTIONS:</p> <table border="1" style="margin-left: 40px;"> <tr> <td>ING_OSD</td> <td>A_F</td> <td>CHL</td> <td>PAL</td> <td>UHF</td> <td>T_LOCK</td> <td>AV-F</td> <td>FP</td> </tr> <tr> <td style="text-align: center;">7</td> <td style="text-align: center;">6</td> <td style="text-align: center;">5</td> <td style="text-align: center;">4</td> <td style="text-align: center;">3</td> <td style="text-align: center;">2</td> <td style="text-align: center;">1</td> <td style="text-align: center;">0</td> </tr> </table> <p>0: FP: SYSTEM B/G (0) - B/G+L, MESSAGE RECHERCHE (1) 1: AV FRONTAL: NOT INCLUDED (0) , INCLUDED (1) 2: TUNING LOCK (HOTEL): LOCKED+SWITCH-ON PR1 (1), NO LOCKED (0) 3: UHF-ONLY: BAND UHF (1) - ALL BANDS (0) 4: PAL ONLY (1), PAL+SECAM (0) 5: CHILD LOCK: CHILD LOCK ACTIVE (1) CHILD LOCK NO ACT (0) 6: AUTO FIRST: TUNING FIRST MENU: AUTO (1) MANUAL (0) 7: ING_OSD: OSD_INGLES (1) OSD-SYMBOL (0) VALUE=F8H (37DT-25H), F8H (51DT-25H)</p>	ING_OSD	A_F	CHL	PAL	UHF	T_LOCK	AV-F	FP	7	6	5	4	3	2	1	0
ING_OSD	A_F	CHL	PAL	UHF	T_LOCK	AV-F	FP										
7	6	5	4	3	2	1	0										
0C	AFT ADJUSTMENT VALUE (B/G, L SYSTEMS)																
0D	AFT ADJUSTMENT VALUE (L ¹ SYSTEM)																
0E	MAXIMUM VOLUME LIMIT																
0F	FIRM																
10	RED COLOUR TEMPERATURE																
11	GREEN COLOUR TEMPERATURE																
12	BLUE COLOUR TEMPERATURE																
13	VERTICAL SHIFT																
14	HORIZONTAL SHIFT																
15	VERTICAL AMPLITUDE																
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1B	<p>OPTIONS:</p> <table border="1"> <tr> <td>ING_OSD</td> <td>A_F</td> <td>CHL</td> <td>PAL</td> <td>UHF</td> <td>T_LOCK</td> <td>AV_F</td> <td>FP</td> </tr> <tr> <td>7</td> <td>6</td> <td>5</td> <td>4</td> <td>3</td> <td>2</td> <td>1</td> <td>0</td> </tr> </table> <p>0: FP: SYSTEM B/G (0) - B/G+L, MESSAGE RECHERCHE (1) 1: AV FRONTAL: NOT INCLUDED (0), INCLUDED (1) 2: TUNING LOCK (HOTEL): LOCKED+SWITCH-ON PR1 (1), NO LOCKED (0) 3: UHF-ONLY: BAND UHF (1) - ALL BANDS (0) 4: PAL ONLY (1), PAL+SECAM (0) 5: CHILD LOCK: CHILD LOCK ACTIVE (1) CHILD LOCK NO ACT (0) 6: AUTO FIRST: TUNING FIRST MENU: AUTO (1) MANUAL (0) 7: ING_OSD: OSD_INGLES (1) OSD_SYMBOL (0) VALUE=F8H (37DT-25H), F8H (51DT-25H)</p>	ING_OSD	A_F	CHL	PAL	UHF	T_LOCK	AV_F	FP	7	6	5	4	3	2	1	0
ING_OSD	A_F	CHL	PAL	UHF	T_LOCK	AV_F	FP										
7	6	5	4	3	2	1	0										
1C	AFT ADJUSTMENT VALUE (B/G, L SYSTEMS)																
1D	AFT ADJUSTMENT VALUE (L' SYSTEM)																
1E	MAXIMUM VOLUME LIMIT																
1F	FIRM																
20	RED COLOUR TEMPERATURE																
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ING_OSD	A_F	CHL	PAL	UHF	T_LOCK	AV_F	FP										
7	6	5	4	3	2	1	0										
2C	AFT ADJUSTMENT VALUE (B/G, L SYSTEMS)																
2D	AFT ADJUSTMENT VALUE (L' SYSTEM)																
2E	MAXIMUM VOLUME LIMIT																
2F	FIRM																
30	TABLE LONG																
31	FIRM																
32	AGING ON. AUTOMATIC SWITCH ON.																
33	SWITCH ON DELAY TIME																

34	VOLUME
35	CONTRAST
36	COLOUR
37	BRIGHTNESS
38	PEAKING (RANGE: 0-3FH)
39	ACTUAL PROGRAMM
3A	TV STATE ON/OFF
3B	HUE
3C	CONTRAST (FACTORY PRESET)
3D	COLOUR (FACTORY PRESET)
3E	BRIGHTNESS (FACTORY PRESET)
3F	PEAKING (RANGE: 0-3FH)(FACTORY PRESET)
40	ON TIMER LAST VALUE
41	OFF TIMER LAST VALUE
42	OSD STATE BIT 0: PICTURE NORM ON/OFF BIT 1: SCART/AV LOCKED BIT 2: FRONTAL LOCKED BIT 3: ROW 8/30 PERM.(RESERVED-PROG. INTERNALLY) BIT 4: PIN NUMBER OPTION (0-NOT APPEAR, 1-APPEAR) BIT 5: CLOCK STATE (PROGRAMMED INTERNALLY) BIT 6: ELIMINATE VERTICAL WHITE BARS IN MENUS BIT 7: (1) REAL_TIMER + ALARM / (0) ON_TIMER VALUE=48H (37DT-25H), 48H (51DT-25H)
43	BKGD USER'S CORRECTION (NOT USED IN THIS MODEL)
44	BKGD USER'S CORRECTION PRESET VALUE (NORMALIZED) (")
45	VOLTAGE LIMIT BETWEEN L'-L SYSTEM (MSB)
46	VOLTAGE LIMIT BETWEEN L'-L SYSTEM (LSB)
47	HORIZONTAL OSD OFFSET BIT 7: DIRECTION SIGN: (0) INCREASE (1) DECREASE BIT 6: DON'T CARE BIT 5 - BIT 0: OFFSET VALUE
48	PROG SEARCH SPEED ALL BAND -HIGH NIBBLE CMPLEMENTED-
49	PROG SEARCH SPEED (VHL BAND) -HIGH NIBBLE CMPLEMENTED-
4A	PROG SEARCH SPEED (VHL BAND) -HIGH NIBBLE CMPLEMENTED-
4B	PROG SEARCH SPEED (VHH BAND) -HIGH NIBBLE CMPLEMENTED-
4C	CHANNEL RANGE IN FACTORY AUTOINSTALL
4D	PASSWORD ON (1)/OFF (0)
4E	PASSWORD FIRST DIGIT
4F	PASSWORD SECOND DIGIT
50	PASSWORD THIRD DIGIT
51	PASSWORD FOURTH DIGIT
52	FREE

53	OSD WORD 1: BIT 0:OSD PROG SIZE. 0= LARGE (14") 1= SHORT (21") BIT 1:OSD PROG DISPLAYED TIME. 0=SHORT TIME / 1= LONG TIME
54	RED REFERENCE FOR AUTO BKGD ADJUSTMENT
55	GREEN REFERENCE FOR AUTO BKGD ADJUSTMENT
56	BLUE REFERENCE FOR AUTO BKGD ADJUSTMENT
57	CONTROL_2: OSO, VSD, CB, BLS, BKS, CS1, CS0, BB VALUE= 09AH
58	CONTROL_3: HOB, BPS, ACL, CMB, AST, CL2, CL1, CL0 VALUE= 024H
59	VERTICAL ZOOM APPROX. VALUE= 0DH
5A	VERTICAL SCROLL APPROX. VALUE= 020H
5B	CONTROL_0: INA, INB, INC, CCC-D, FOA, FOB, XA, XB VALUE=01AH
5C	CONTROL_1: FORF, FORS, DL, STB, POC, CM2, CM1, CM0 VALUE=0C0H
5D	CONTROL_5: EVG, HCO, LBM, VID, STM, NCIN, VIM, AKB VALUE=026H
5E	CONTROL_6: IFS, AFW, IE1, COR, RBL, MAT, PRD, SBL VALUE=03CH
5F	CONTROL_7: EVSINC, EBS, FFI, HBL, GAI, IE2, DS, DSA VALUE=0H
60	NOT USED
61-FF	PROGRAMS (0-52)
100-18Dh	PROGRAMS (53-99)

■ PIF/AGC Adjustment

1. VCO + AFT Adjustment

1. Connect the output of SSG (Standard Signal Generator) to the tuner IF output terminal.
 - SSG output: 38.9 MHz (CW) \pm 5 kHz.
 - SSG output level: approx. 90 dB μ V.
2. Enter into Service Mode.
3. Push CH \wedge until AFT appears.
4. Press \odot button on R/C. Setting is made automatically. During this setting the colour bar shall go from red to yellow. When setting is finished, colour bar disappears and B-STOP (bus stop) is shown on screen.
5. Switch set OFF and ON again, setting is now memorized.

2. RF-AGC Cut-In Adjustment (I2C BUS)

1. Receive the "COLOUR BAR" signal (Channel E-12).
 - Signal strength: 60 dB μ V.
2. Enter into Service Mode.
3. Push CH \wedge until AGC appears.
4. Press \odot button on R/C. Setting is made automatically. During this setting the colour bar shall go from red to yellow. When setting is finished, colour bar disappears and B-STOP (bus stop) is shown on screen.
5. Switch set OFF and ON again, setting is now memorized.

■ Screen Adjustment

3. Focus Adjustment

1. Apply mains voltage of 220 V AC/50 Hz to TV.
2. Receive Phillips pattern signal to a level between 60 and 80 dB μ V.
3. Set contrast to 10/10, brightness to 5/10 and colour 0/10.
4. Adjust focus potentiometer to obtain maximum definition.

4. G2 Adjustment

1. Apply mains voltage of 220 V AC/50 Hz to TV.
2. Receive MONOSCOPE PATTERN signal to a level between 60 and 80 dB μ V.
3. Enter into Service Mode. Press the TEXT key of R/C and set to level.
4. Set to the point where the raster disappears on the screen VR of FBT.

■ GEOMETRY ADJUSTMENT PROCEDURE

1. H-SHFT

- Receive Philips pattern signal.
- When \triangleleft/\wedge button is pressed, picture moves to the left.
- When \triangleleft/\vee button is pressed, picture moves to the right.
- Adjust the horizontal location to obtain picture centering (fig. 1)

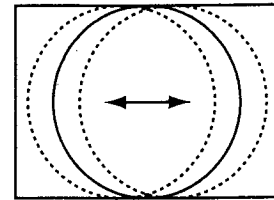


Fig.1

2. V-SHFT

- Receive Philips pattern signal.
- When \triangleleft/\wedge button is pressed, picture moves up.
- When \triangleleft/\vee button is pressed, picture moves down.
- Adjust the horizontal location to obtain picture centering (fig. 2)

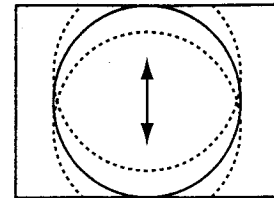


Fig.2

3. V-AMPL

- Receive Philips pattern signal.
- When \triangleleft/\wedge button is pressed, vertical size of picture increases.
- When \triangleleft/\vee button is pressed, vertical size of picture decreases.
- Adjust the vertical size to obtain overscan (fig. 3).

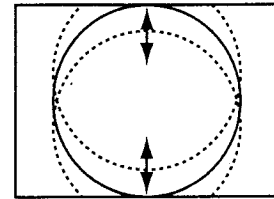


Fig.3

4. V-SLOP

- Receive Philips pattern signal.
- When \triangleleft/\wedge button is pressed, upper picture scanning decreases and lower picture scanning increases.
- When \triangleleft/\vee button is pressed, upper picture scanning increases and lower picture scanning decreases.
- Adjust the vertical symmetry to obtain symmetrical scanning between upper and lower picture (fig. 4).

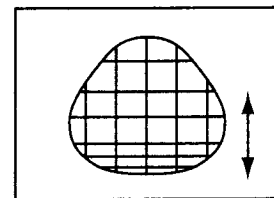


Fig.4

COLOUR ADJUSTMENT

5. V-DLY

- Receive Philips pattern signal.
- When \triangleleft/\wedge button is pressed, luma phase delays.
- When \triangleleft/\vee button is pressed, chroma phase delays.
- Adjust the chroma-luma delay.

The following adjustments are only required when the Picture Tube is changed.

6. "GAIN R", "GAIN G", "GAIN B".

- Adjust G2.
- Tune in white card.
- Adjust colour to minimum.
- Position colourmeter in the center of screen.
- Using brightness and contrast buttons, select a luminance of ≈ 120 nits.
- Operate again in Service Mode and select location GAIN R, GAIN B to obtain colour coordinates:

$$X = 0.290 \pm 0.015$$

$$Y = 0.284 \pm 0.015$$
- Exit Service Mode and check colour coordinates 'X' and 'Y' at 20 and 120 NITS. It may be necessary to repeat procedure.

NOTE:

Locations: GAIN R alter 'X' coordinate; GAIN G alter the 'Y' coordinates; GAIN B alter the 'X' and 'Y' coordinates.

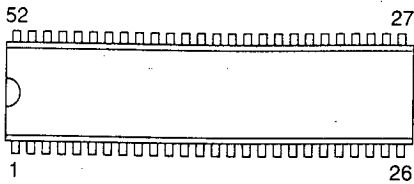
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CHILD LOCK CANCEL

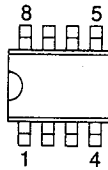
The following process describes how to cancel actual password (PIN) when the customer forgets code.

1. Switch ON TV set.
2. Press button ∇ on TV and \odot on R/C simultaneously.
3. Press MENU button on R/C to input menu.
4. Using buttons \wedge CH ∇ move to \odot position.
5. Press MENU button again.
6. Select PIN and input new PIN (Please do not forget it)
7. Select EXIT and press MENU button again.

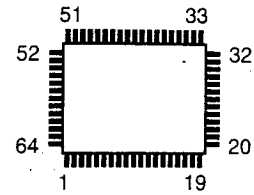
SOLID STATE DEVICE BASE DIAGRAM



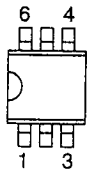
RH-IX1655BMN0(37DT-25H)
RH-IX1658BMN0(51DT-25H)



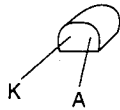
CH-IX1640CJH0
(SMD COMPONENT)



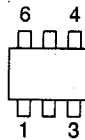
RH-IX1630BMZZ
(SMD COMPONENT)



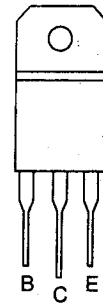
RH-FX0103BMZZ
(SMD COMPONENT)



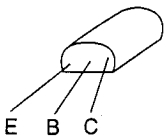
RH-IX0037CEZZ



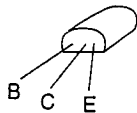
VHSMT1A/A//1
(SMD COMPONENT)



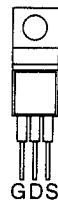
RH-TX0132BMZZ



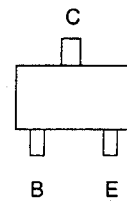
RH-TX0102BMZZ
RH-TX0104BMZZ
RH-TX0105BMZZ
RH-TX0142BMZZ
RH-TX0130BMZZ



RH-TX0108BMZZ
RH-TX0112BMZZ
RH-TX0118BMZZ
RH-TX0131BMZZ
RH-TX0181BMZZ
RH-TX0180BMZZ



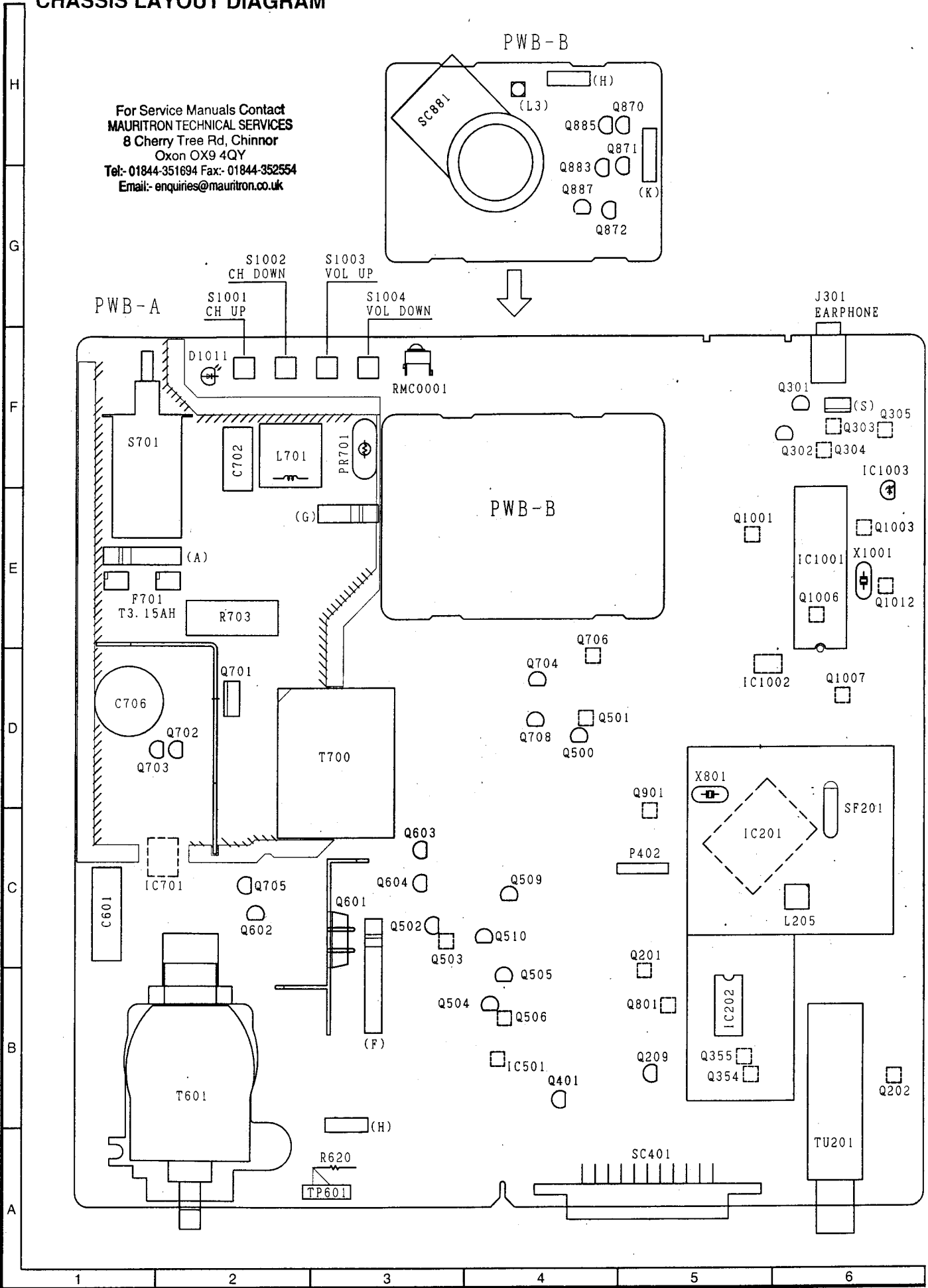
RH-TX0128BMZZ



VS2SA1037KQ-1
VS2SC2412KQ-1
(SMD COMPONENT)

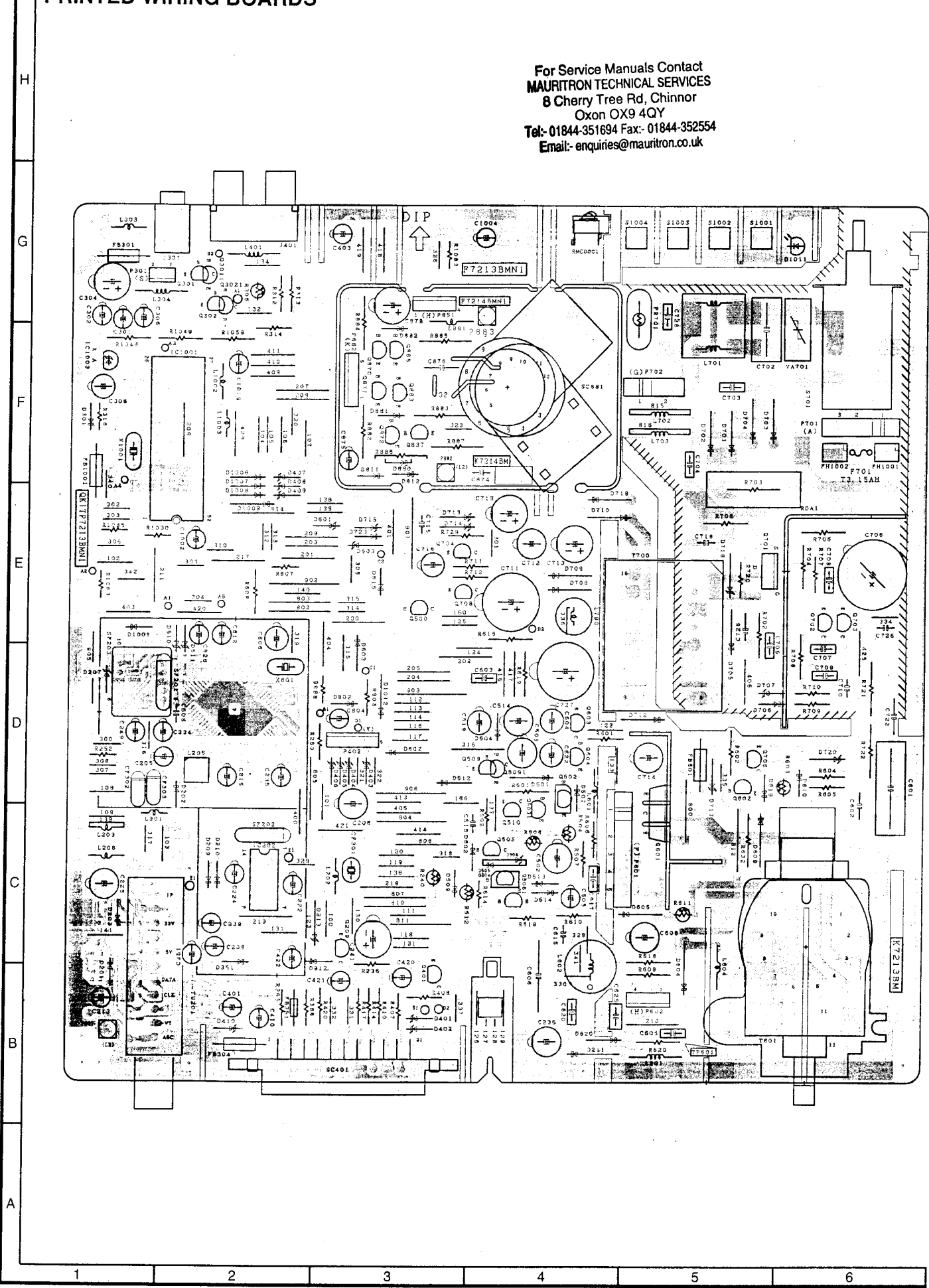
CHASSIS LAYOUT DIAGRAM

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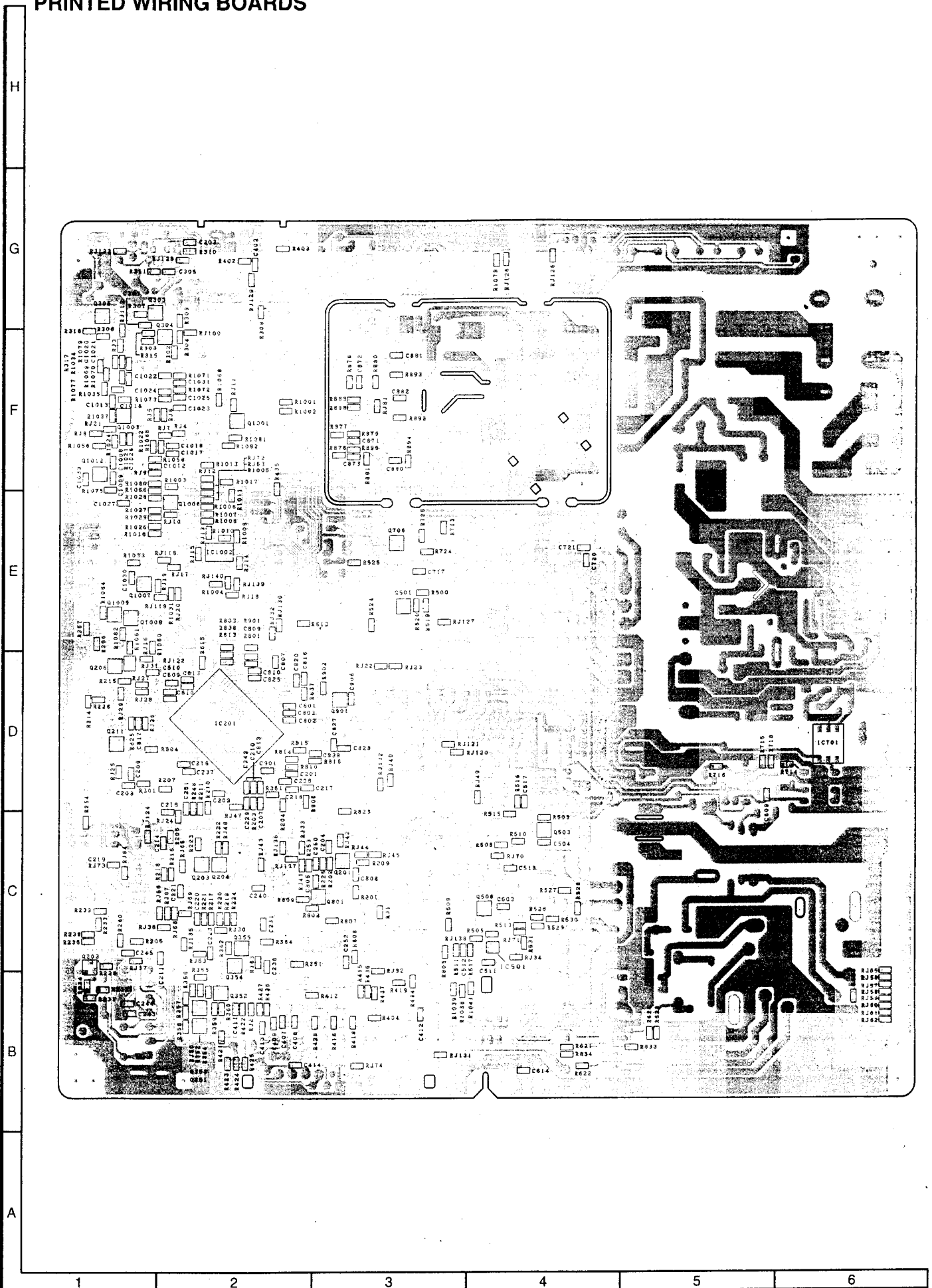


PRINTED WIRING BOARDS

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PRINTED WIRING BOARDS



DESCRIPTION OF SCHEMATIC DIAGRAM

SAFETY NOTE:

1. DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACING PARTS.
2. SEMICONDUCTOR HEAT SINKS SHOULD BE REGARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASSIS IS OPERATING.

IMPORTANT SAFETY NOTICE:

PARTS MARKED WITH "△" () ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

SERVICE PRECAUTION:

THE AREA ENCLOSED BY THIS LINE (■ ■) IS DIRECTLY CONNECTED WITH AC MAINS VOLTAGE. WHEN SERVICING THE AREA, CONNECT AN ISOLATING TRANSFORMER. BETWEEN TV RECEIVER AND AC LINE TO ELIMINATE HAZARD OF ELECTRIC SHOCK.

NOTE:

1. The unit of resistance "ohm" is omitted (K=1000 ohms, M=Megaohm).
2. All resistors are 1/8 watt, unless otherwise noted.
3. All capacitors are μF , unless otherwise noted ($\text{P}=\mu\mu\text{F}$).
4. The capacitor with Part No. RC-FZ9XXXBMNJ is designed to withstand 63V.

WAVEFORM MEASUREMENT CONDITIONS:

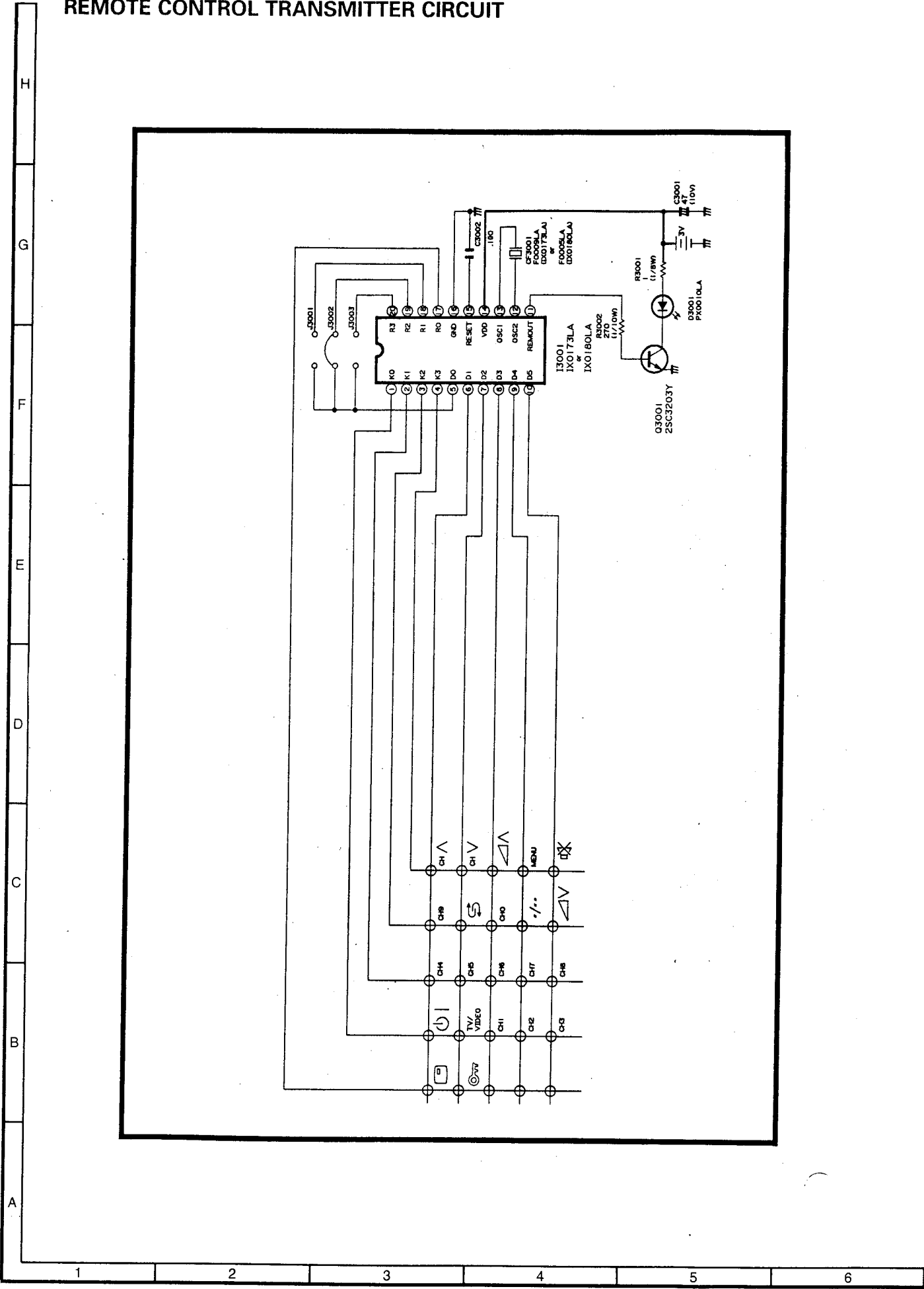
Colour bar generator signal of 70 dB from RF input.

CAUTION:

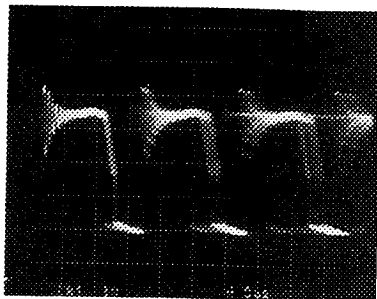
This circuit diagram is original one, therefore there may be a slight difference from yours.

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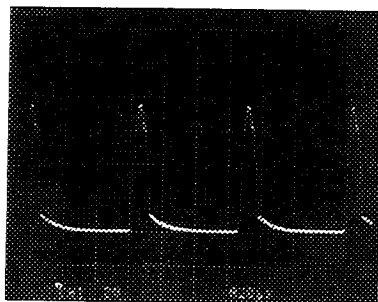
REMOTE CONTROL TRANSMITTER CIRCUIT



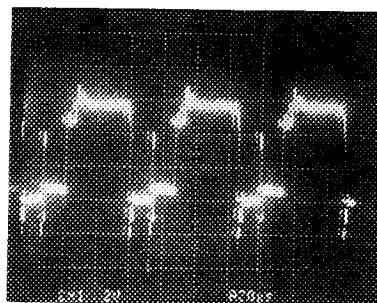
WAVE FORMS



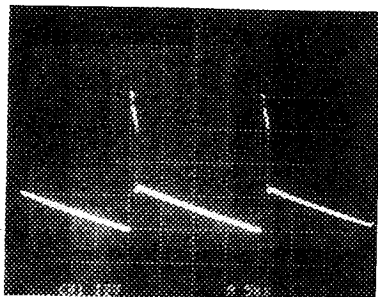
①
100 : 1



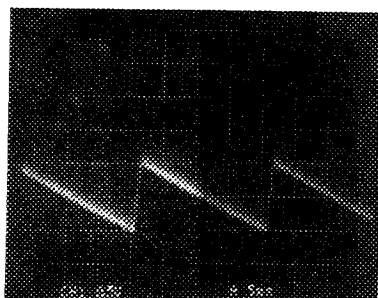
②
780V p-p
100 : 1



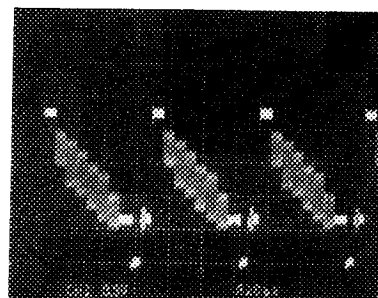
③



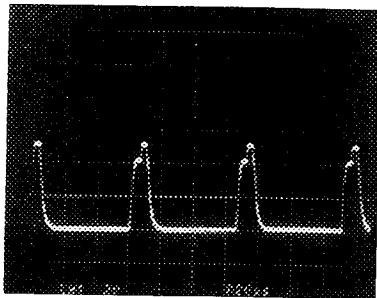
④
40.1Vp-p



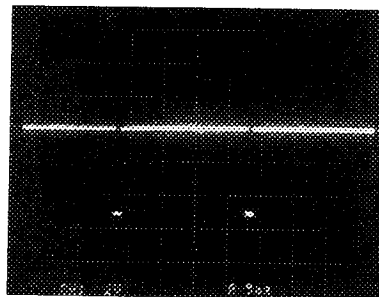
⑤
1Vp-p



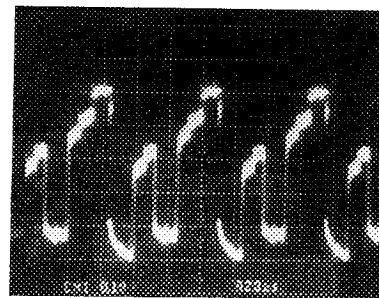
⑥



⑦



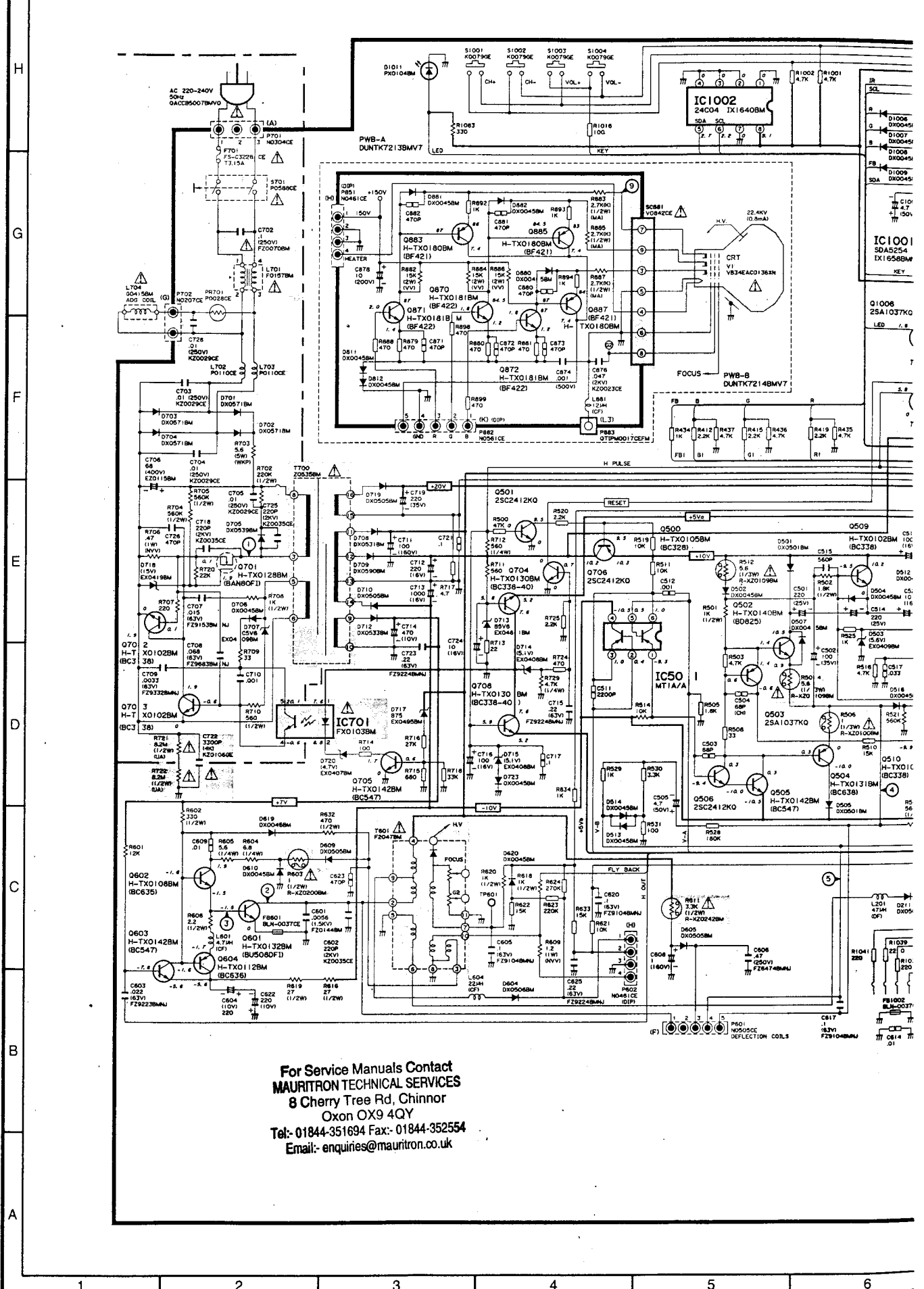
⑧
5Vp-p



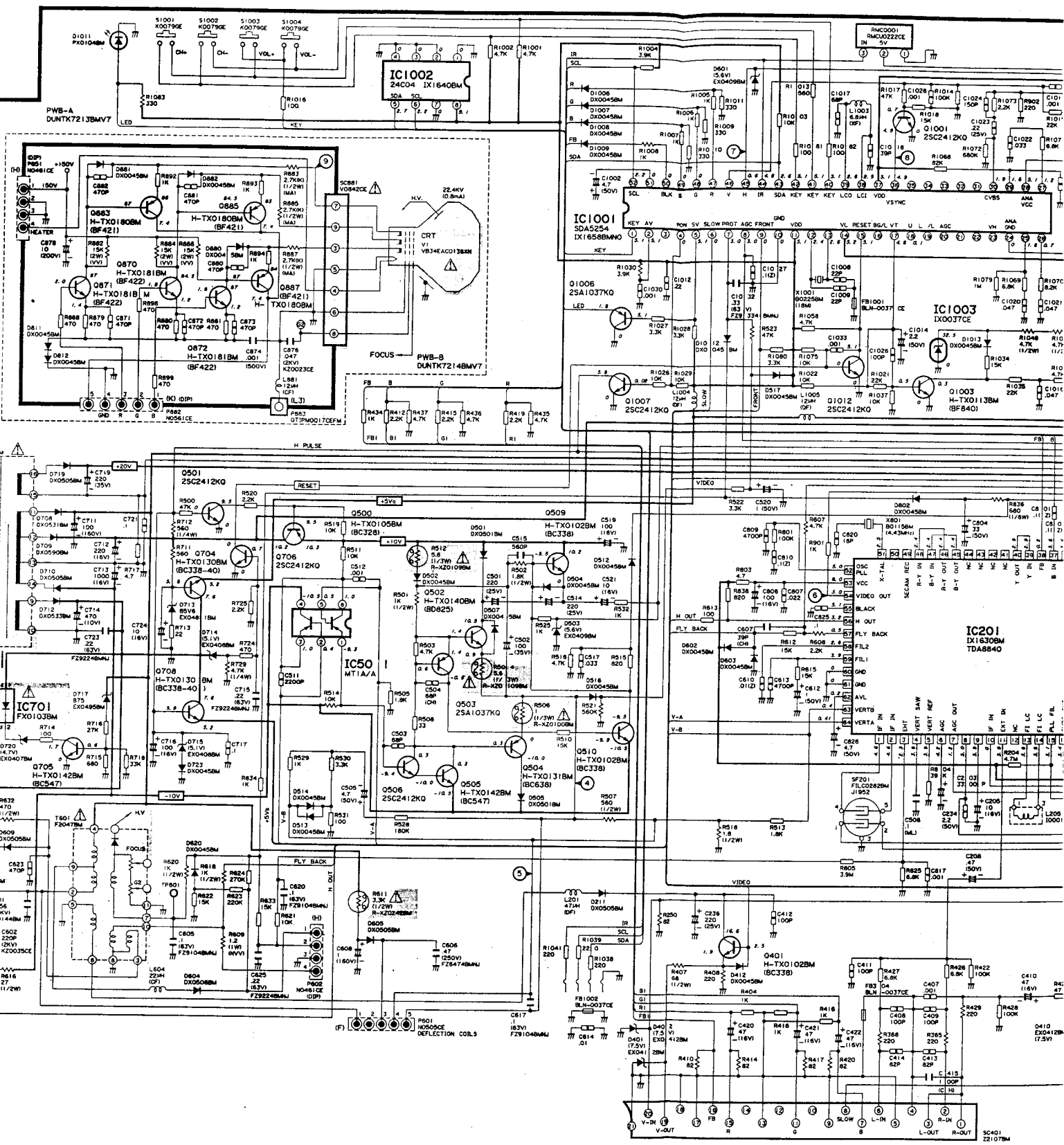
⑨
50.6Vp-p
100 : 1

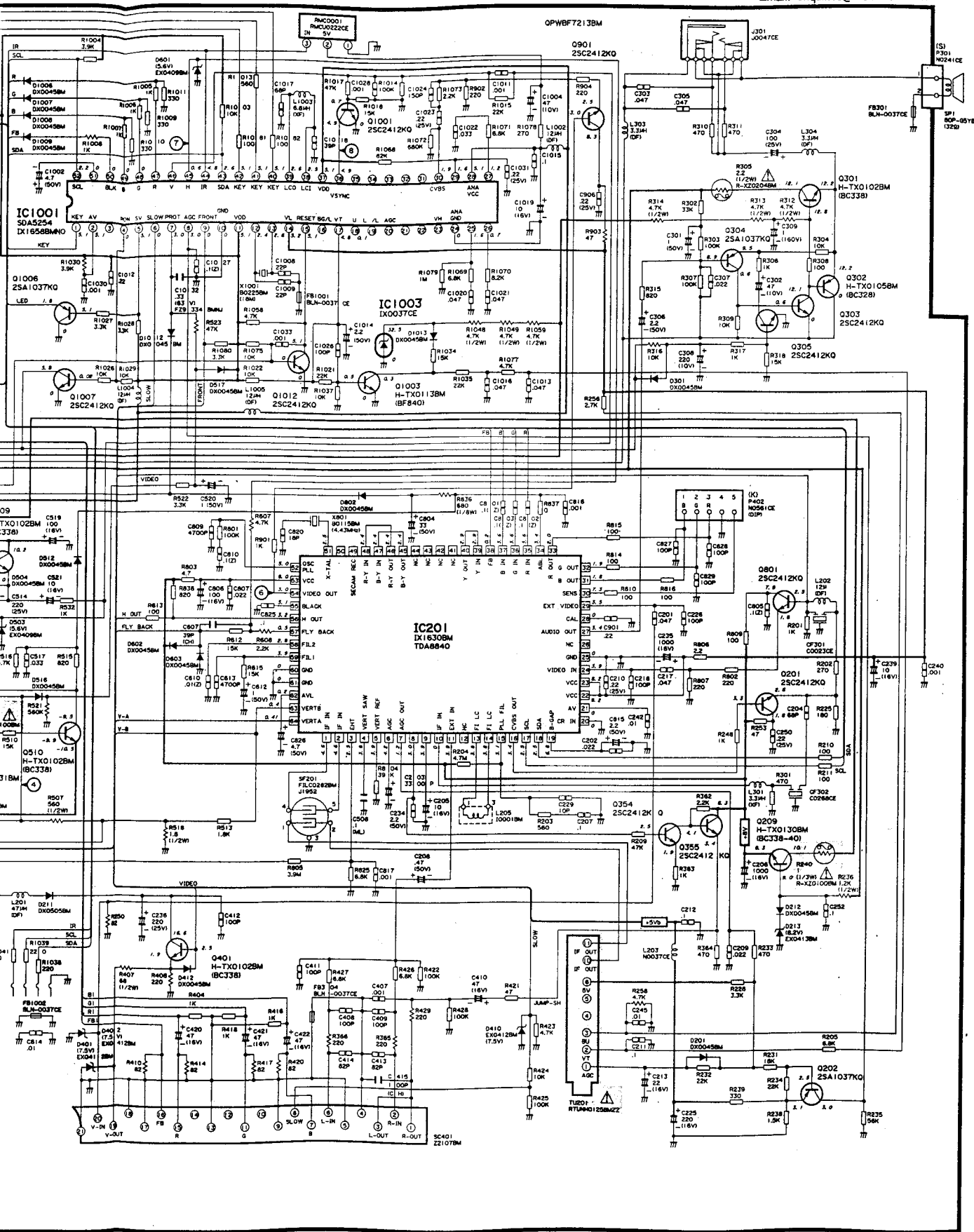
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Email:- enquiries@mauritron.co.uk

MAIN CIRCUIT (37DT-25H)

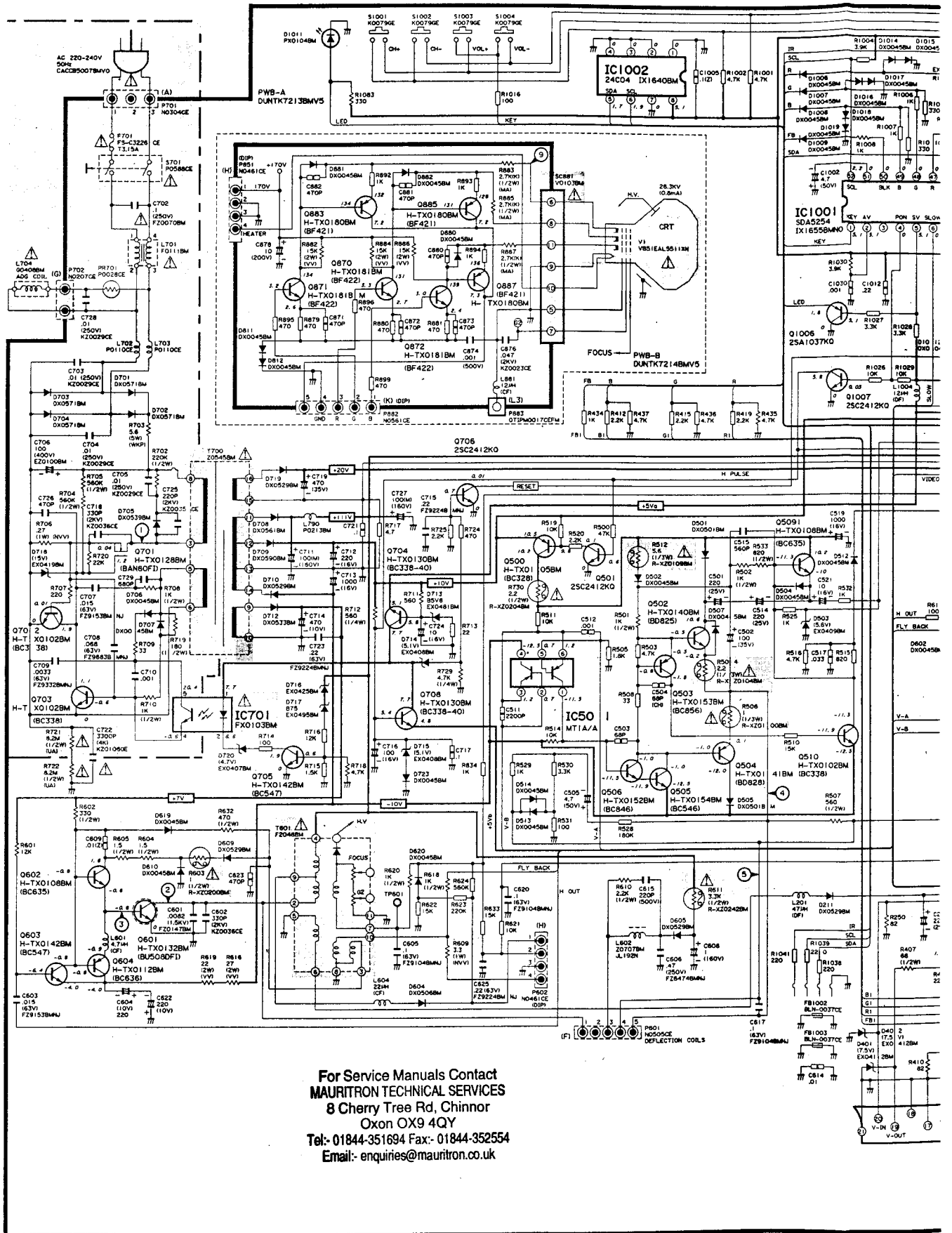


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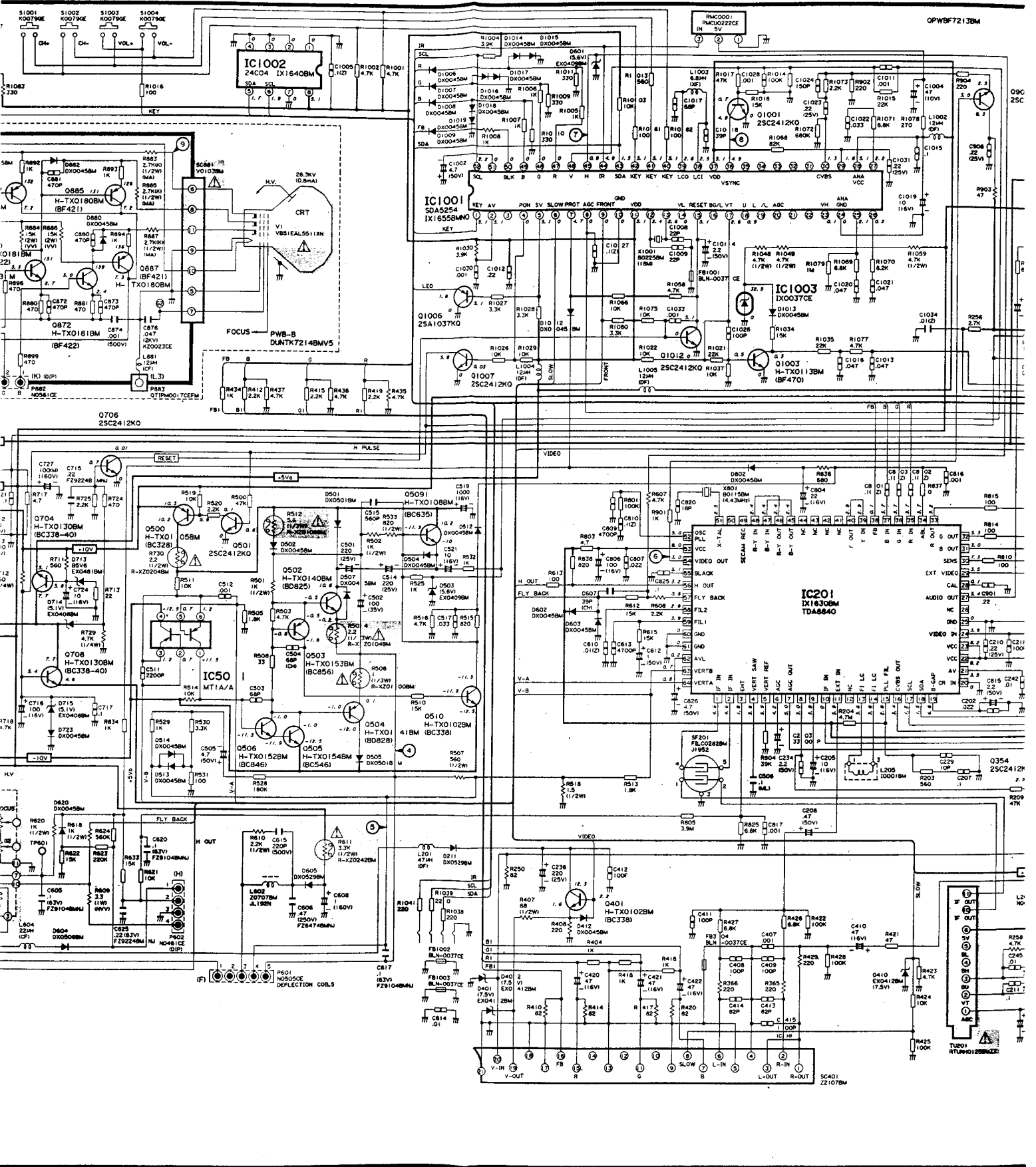




MAIN CIRCUIT (51DT-25H)



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4

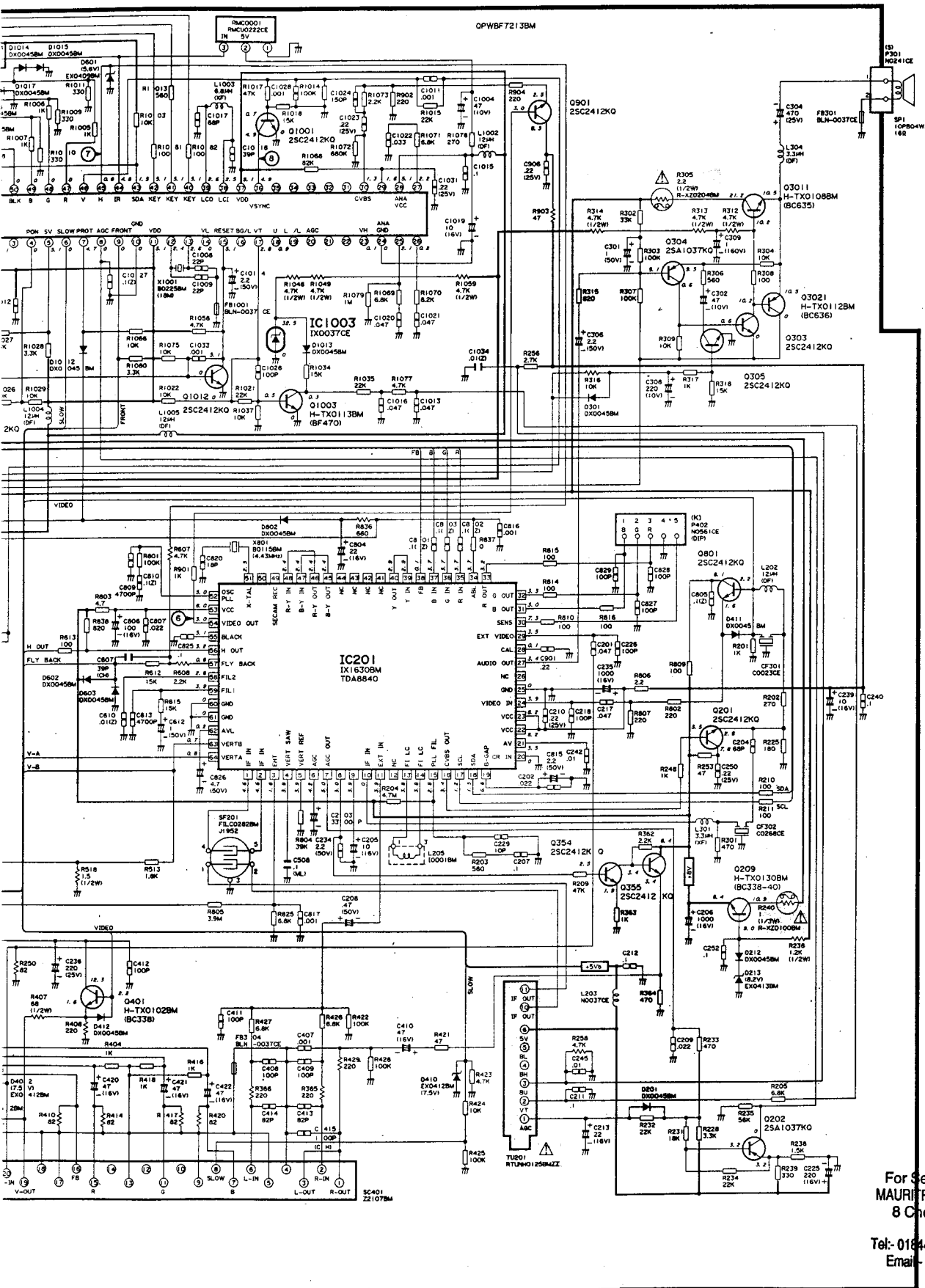
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6

7

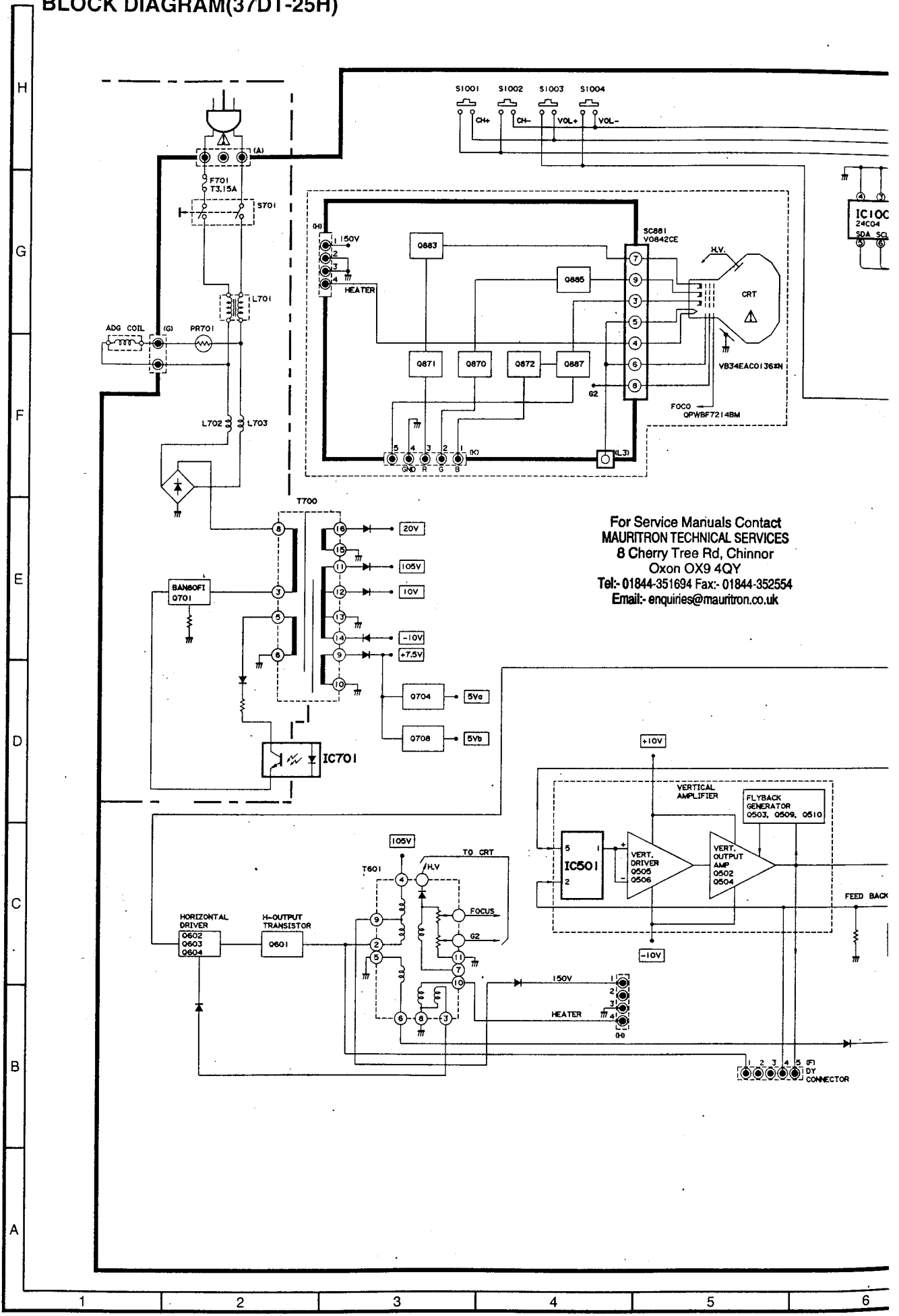
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9

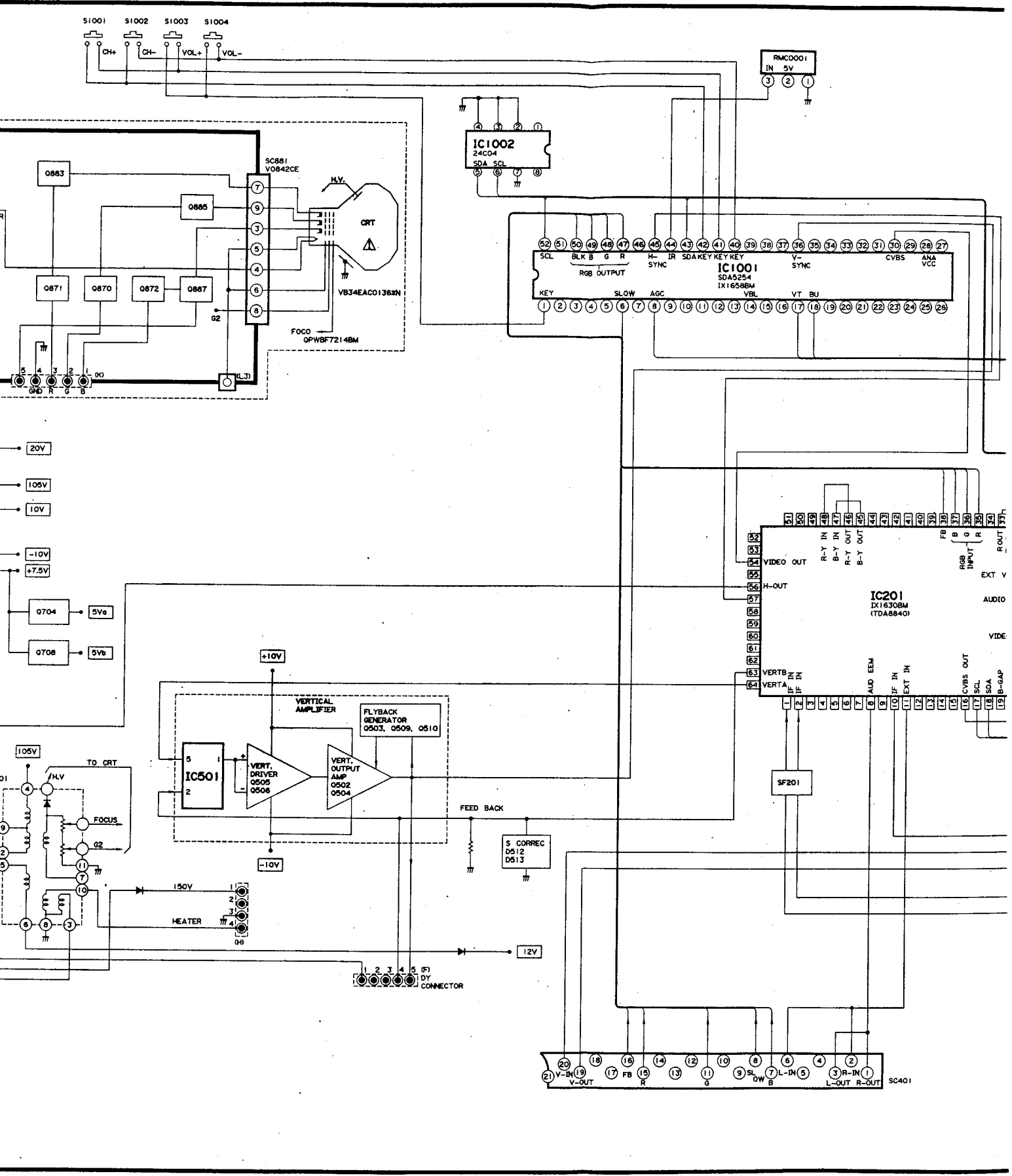


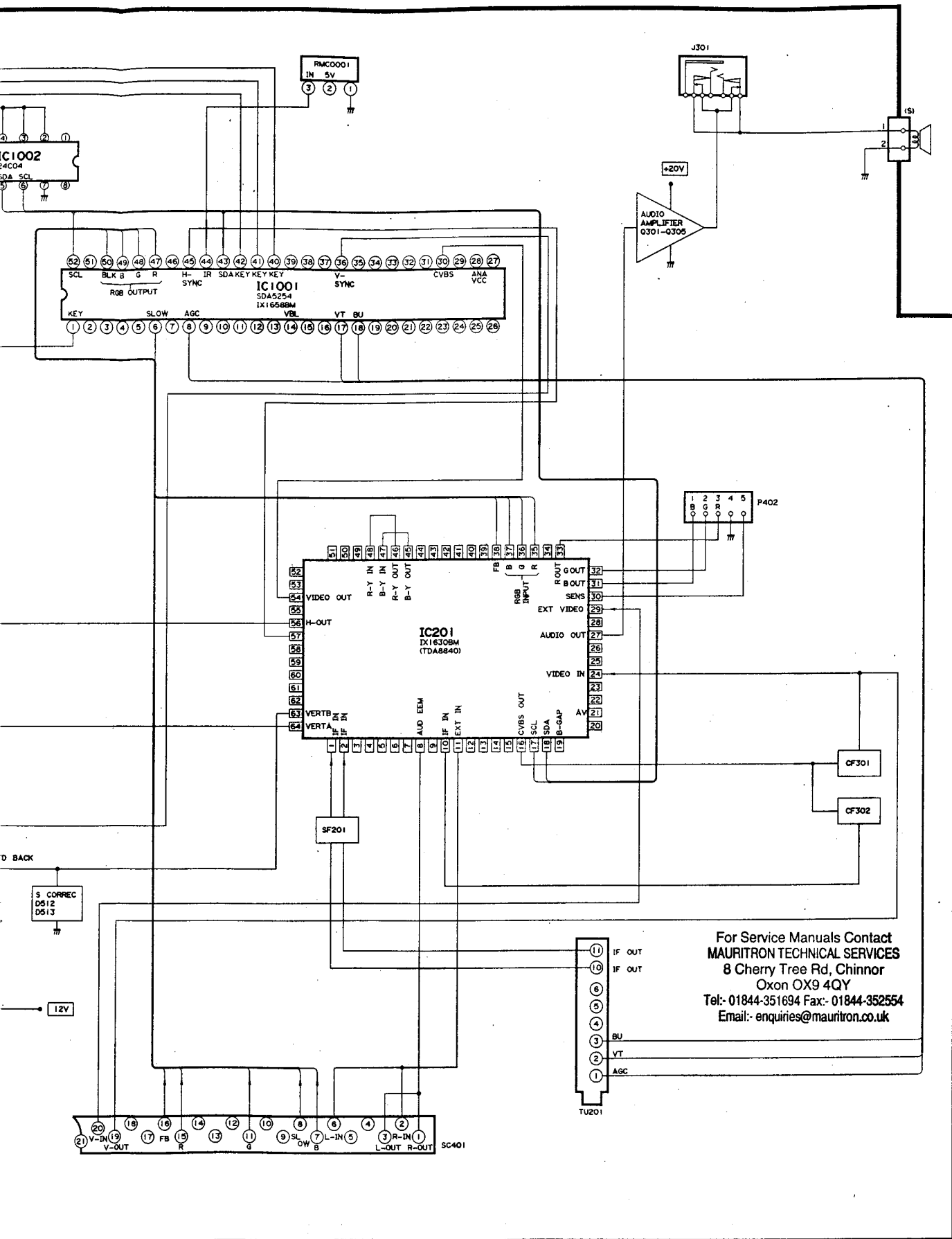
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BLOCK DIAGRAM(37DT-25H)



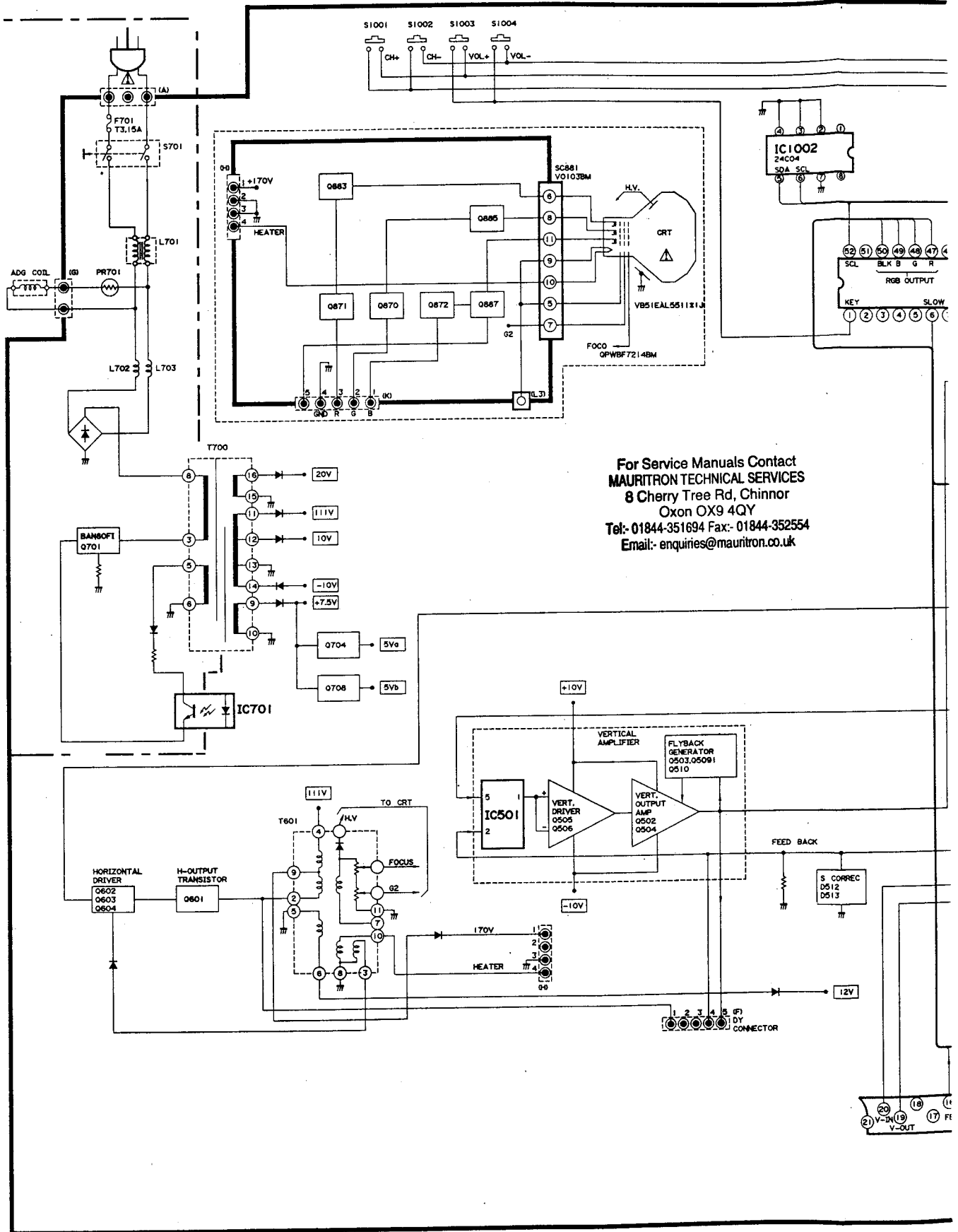
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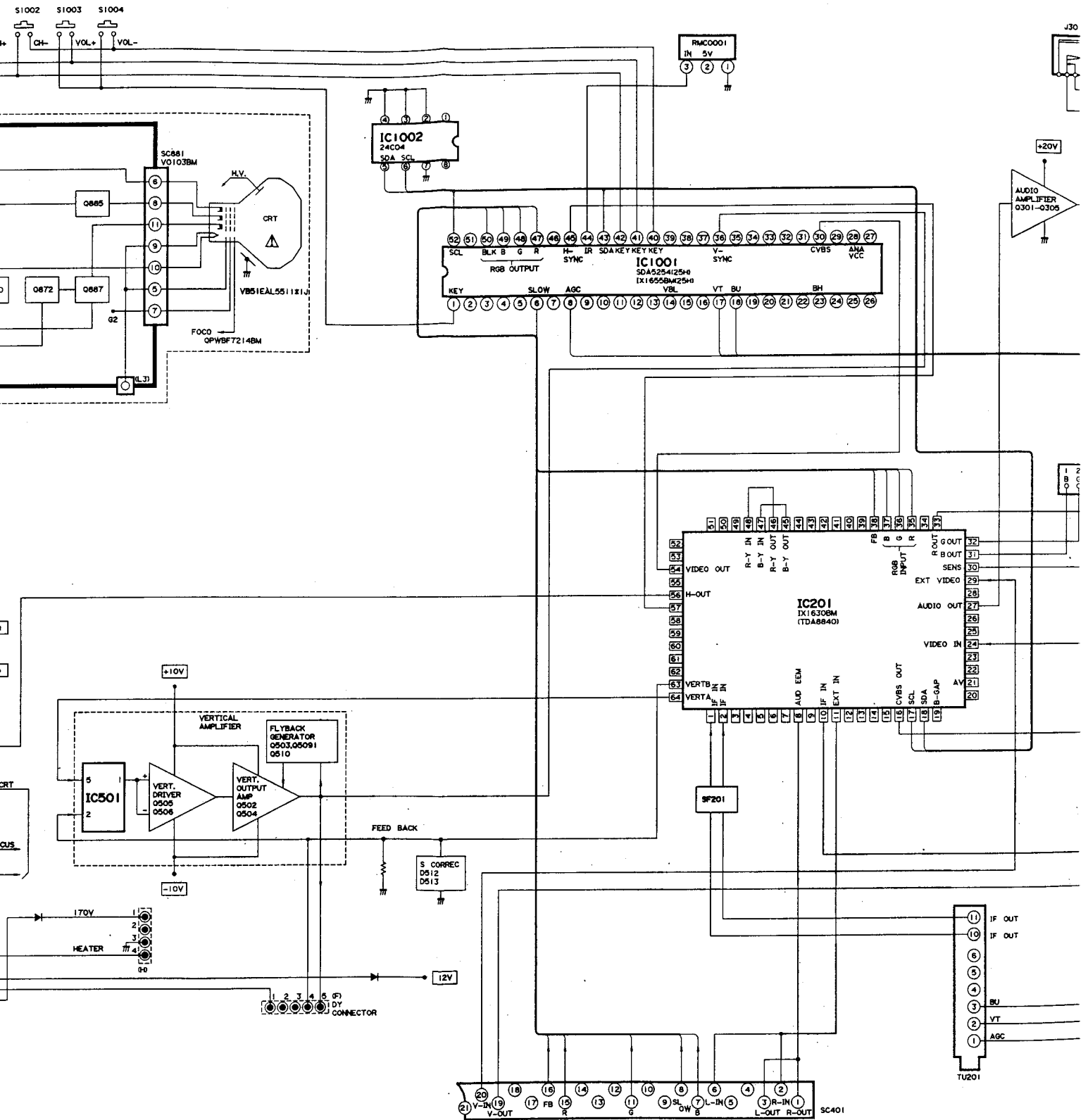
BLOCK DIAGRAM(51DT-25H)

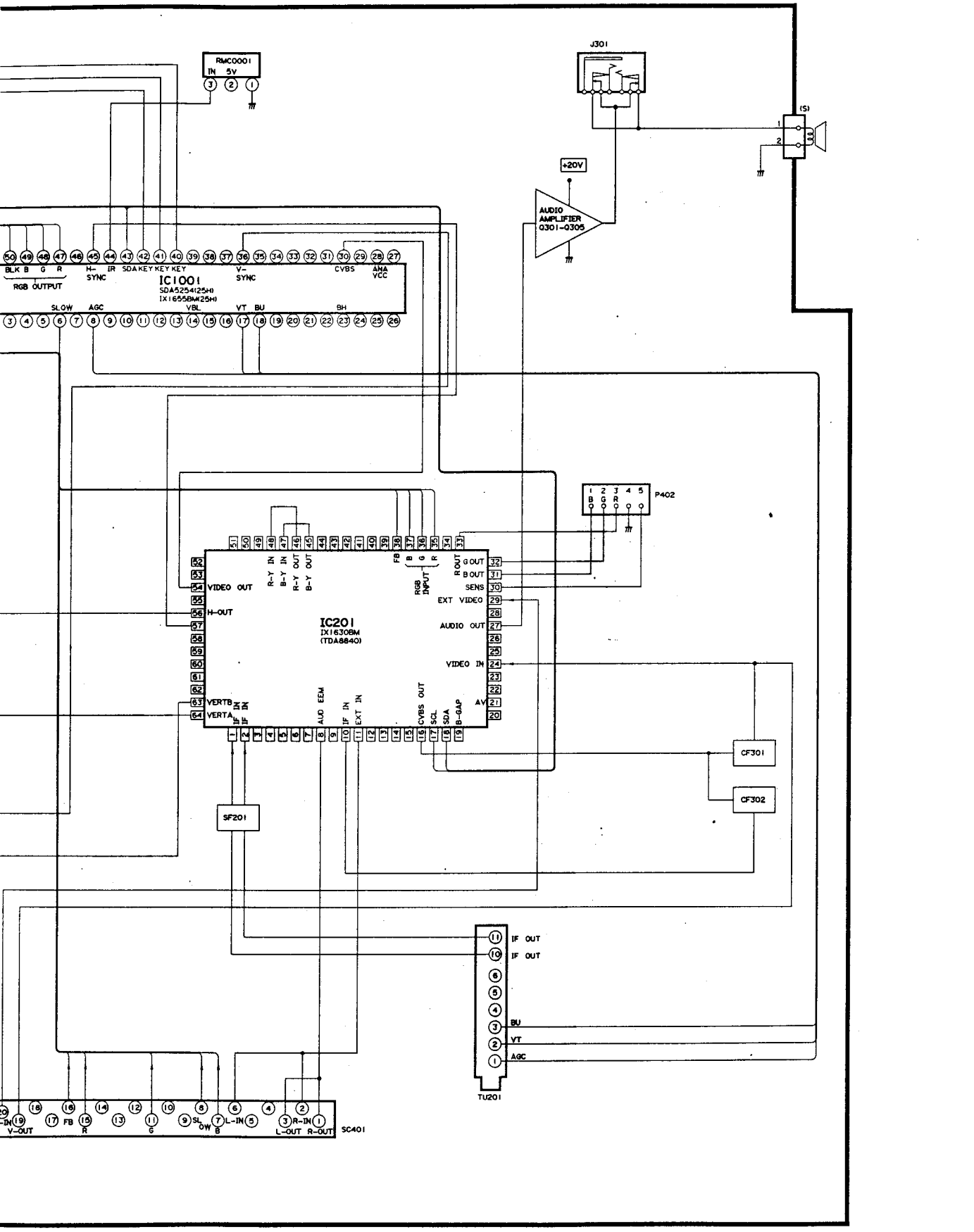


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PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual: electrical components having such features are identified by "⚠" in the Replacement Parts Lists.

The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

- | | |
|-----------------|----------------|
| 1. MODEL NUMBER | 2. REF. NO. |
| 3. PART NO. | 4. DESCRIPTION |
| 5. CODE | 6. QUANTITY |

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MARK ★: SPARE PARTS-DELIVERY SECTION

Ref. No.	Part No.	★	Description	Code
PICTURE TUBE				
MODEL 37DT-25H				
⚠	VB34EAC0136*N	S	CRT Ass'y, 34cm(14*) with Deflection Yoke, Purity Magnet and Wedges	CD
⚠	QEARC0002BMZZ	S	Wire, Grounding strap	AD
	MSPRT0001CEFJ	S	CRT Spring	AA
⚠	RCiLG0415BMZZ	S	Degaussing Coil	AM
	XTASD30P12000	S	Screw	AA
MODEL 51DT-25H				
⚠	VB51EAL5511*N	S	CRT Ass'y, 51cm(20*) with Deflection Yoke, Purity Magnet and Wedges	CM
	MSPRT0001CEFJ	S	CRT Spring	AA
⚠	RCiLG0408BMZZ	S	Degaussing Coil	AP
	XTASD30P12000	S	Screw	AA

PRINTED WIRING BOARD ASSEMBLIES (NOT REPLACEMENT ITEM)

MODEL 37DT-25H			
DUNTK7213BMV7	-	Mother Unit	—
DUNTK7214BMV7	-	CRT Socket Unit	—
MODEL 51DT-25H			
DUNTK7213BMV5	-	Mother Unit	—
DUNTK7214BMV5	-	CRT Socket Unit	—

Ref. No.	Part No.	★	Description	Code
PWB-A DUNTK7213BMV7/V5 MOTHER UNIT				
TUNER				
NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.				
⚠	TU201	RTUNH0125BMZZ	S BS Tuner	AY
INTEGRATED CIRCUITS				
	IC201	RH-iX1630BMZZ	S TDA8840	AZ
	IC501	VHSMT1A/A/-1	S Si.Control Rectifier	AB
⚠	IC701	RH-FX0103BMZZ	S Photo Coupler	AD
	IC1001	RH-iX1655BMN0	S SDA5254(51DT-25H)	BD
	IC1001	RH-iX1658BMN0	S SDA5254(37DT-25H)	BD
	IC1002	RH-iX1640BMZZ	S 24C04	AL
	IC1003	RH-iX0037CEZZ	S Upc574J	AF
TRANSISTORS				
	Q201	VS2SC2412KQ-1	R VS2SC2412	AA
	Q202	VS2SA1037KQ-1	R VS2SA1037	AA
	Q209	RH-TX0130BMZZ	S BC338-40	AB
	Q301	RH-TX0102BMZZ	S BC338(37DT-25H)	AB
	Q302	RH-TX0105BMZZ	S BC328(37DT-25H)	AB
	Q303	VS2SC2412KQ-1	R VS2SC2412	AA
	Q304	VS2SA1037KQ-1	R VS2SA1037	AA
	Q305	VS2SC2412KQ-1	R VS2SC2412	AA
	Q354	VS2SC2412KQ-1	R VS2SC2412	AA
	Q355	VS2SC2412KQ-1	R VS2SC2412	AA
	Q401	RH-TX0102BMZZ	S BC338	AB
	Q500	RH-TX0105BMZZ	S BC328	AB
	Q501	VS2SC2412KQ-1	R VS2SC2412	AA
	Q502	RH-TX0140BMZZ	S BD825	AC
	Q503	RH-TX0153BMZZ	S BC856(51DT-25H)	AB
	Q503	VS2SA1037KQ-1	R VS2SA1037(37DT-25H)	AA
	Q504	RH-TX0141BMZZ	S BD828(51DT-25H)	AC

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-A DUNTK7213BMV7/V5									
MOTHER UNIT(Continued)									
TRANSISTORS(Continued)									
Q504	RH-TX0131BMZZ	S	BC638(37DT-25H)	AC	D602	RH-DX0045BMZZ	S	1N4148	AA
Q505	RH-TX0154BMZZ	S	BC546(51DT-25H)	AA	D603	RH-DX0045BMZZ	S	1N4148	AA
Q505	RH-TX0142BMZZ	S	BC846(37DT-25H)	AB	D604	RH-DX0506BMZZ	S	Diode	AB
Q506	RH-TX0152BMZZ	S	BC846(51DT-25H)	AA	D605	RH-DX0529BMZZ	S	Diode(51DT-25H)	AB
Q506	VS2SC2412KQ-1	R	VS2SC2412(37DT-25H)	AA	D605	RH-DX0505BMZZ	S	Diode(37DT-25H)	AB
Q509	RH-TX0102BMZZ	S	BC338(37DT-25H)	AB	D609	RH-DX0529BMZZ	S	Diode(51DT-25H)	AB
Q510	RH-TX0102BMZZ	S	BC338	AB	D609	RH-DX0505BMZZ	S	Diode(37DT-25H)	AB
Q601	RH-TX0132BMZZ	S	BU508DF1	AM	D610	RH-DX0045BMZZ	S	1N4148	AA
Q602	RH-TX0108BMZZ	S	BC635	AC	D619	RH-DX0045BMZZ	S	1N4148	AA
Q603	RH-TX0142BMZZ	S	BC547	AB	D620	RH-DX0045BMZZ	S	Diode	AA
Q604	RH-TX0112BMZZ	S	BC636	AB	D701	RH-DX0571BMZZ	S	Diode	AA
Q701	RH-TX0128BMZZ	S	BAN80FI	AM	D702	RH-DX0571BMZZ	S	Diode	AA
Q702	RH-TX0102BMZZ	S	BC338	AB	D703	RH-DX0571BMZZ	S	Diode	AA
Q703	RH-TX0102BMZZ	S	BC338	AB	D704	RH-DX0571BMZZ	S	Diode	AA
Q704	RH-TX0130BMZZ	S	BC338-40	AB	D705	RH-DX0539BMZZ	S	Diode	AC
Q705	RH-TX0142BMZZ	S	BC547	AB	D706	RH-DX0045BMZZ	S	1N4148	AA
Q706	VS2SC2412KQ-1	R	VS2SC2412	AA	D707	RH-DX0045BMZZ	S	1N4148(51DT-25H)	AA
Q708	RH-TX0130BMZZ	S	BC338-40	AB	D707	RH-EX0409BMZZ	S	Zener Diode(37DT-25H)	AA
Q801	VS2SC2412KQ-1	R	VS2SC2412	AA	D708	RH-DX0561BMZZ	S	Diode(51DT-25H)	AD
Q901	VS2SC2412KQ-1	R	VS2SC2412	AA	D708	RH-DX0531BMZZ	S	Diode(37DT-25H)	AB
Q1001	VS2SC2412KQ-1	R	VS2SC2412	AA	D709	RH-DX0590BMZZ	S	Diode	AE
Q1003	RH-TX0113BMZZ	S	BF840	AC	D710	RH-DX0529BMZZ	S	Diode(51DT-25H)	AB
Q1006	VS2SA1037KQ-1	R	VS2SA1037	AA	D710	RH-DX0505BMZZ	S	Diode(37DT-25H)	AB
Q1007	VS2SC2412KQ-1	R	VS2SC2412	AA	D712	RH-DX0533BMZZ	S	Diode	AD
Q1012	VS2SC2412KQ-1	R	VS2SC2412	AA	D713	RH-EX0481BMZZ	S	Zener Diode	AB
Q3011	RH-TX0108BMZZ	S	BC635(51DT-25H)	AC	D714	RH-EX0408BMZZ	S	Zener Diode, 5.1V	AB
Q3021	RH-TX0112BMZZ	S	BC636(51DT-25H)	AB	D715	RH-EX0408BMZZ	S	Zener Diode, 5.1V	AB
Q5091	RH-TX0108BMZZ	S	BC635(51DT-25H)	AC	D716	RH-EX0425BMZZ	S	Zener Diode(51DT-25H)	AA
DIODES AND LED'S									
D201	RH-DX0045BMZZ	S	1N4148	AA	D717	RH-EX0495BMZZ	S	Zener Diode	AB
D211	RH-DX0529BMZZ	S	Diode(51DT-25H)	AB	D718	RH-EX0419BMZZ	S	Zener Diode, 15V	AB
D211	RH-DX0505BMZZ	S	Diode(37DT-25H)	AB	D719	RH-DX0529BMZZ	S	Diode(51DT-25H)	AB
D212	RH-DX0045BMZZ	S	1N4148	AA	D719	RH-DX0505BMZZ	S	Diode(37DT-25H)	AB
D213	RH-EX0413BMZZ	S	Zener Diode, 8.2V	AB	D720	RH-EX0407BMZZ	S	Zener Diode, 4.7V	AA
D301	RH-DX0045BMZZ	S	1N4148	AA	D723	RH-DX0045BMZZ	S	1N4148	AA
D401	RH-EX0412BMZZ	S	Zener Diode, 7.5V	AB	D802	RH-DX0045BMZZ	S	1N4148	AA
D402	RH-EX0412BMZZ	S	Zener Diode, 7.5V	AB	D1006	RH-DX0045BMZZ	S	1N4148	AA
D410	RH-EX0412BMZZ	S	Zener Diode, 7.5V	AB	D1007	RH-DX0045BMZZ	S	1N4148	AA
D411	RH-DX0045BMZZ	S	1N4148(37DT-25H)	AA	D1008	RH-DX0045BMZZ	S	1N4148	AA
D412	RH-DX0045BMZZ	S	1N4148	AA	D1009	RH-DX0045BMZZ	S	1N4148	AA
D501	RH-DX0501BMZZ	S	1N4004	AA	D1011	RH-PX0104BMZZ	S	Photodiode	AC
D502	RH-DX0045BMZZ	S	1N4148	AA	D1012	RH-DX0045BMZZ	S	1N4148	AA
D503	RH-EX0409BMZZ	S	Zener Diode, 5.6V	AA	D1013	RH-DX0045BMZZ	S	1N4148	AA
D504	RH-DX0045BMZZ	S	1N4148	AA	D1014	RH-DX0045BMZZ	S	1N4148(51DT-25H)	AA
D505	RH-DX0501BMZZ	S	Diode(37DT-25H)	AA	D1015	RH-DX0045BMZZ	S	1N4148(51DT-25H)	AA
D507	RH-DX0045BMZZ	S	1N4148	AA	D1016	RH-DX0045BMZZ	S	1N4148(51DT-25H)	AA
D512	RH-DX0045BMZZ	S	1N4148	AA	D1017	RH-DX0045BMZZ	S	1N4148(51DT-25H)	AA
D513	RH-DX0045BMZZ	S	1N4148	AA	D1018	RH-DX0045BMZZ	S	1N4148(51DT-25H)	AA
D514	RH-DX0045BMZZ	S	1N4148	AA	D1019	RH-DX0045BMZZ	S	1N4148(51DT-25H)	AA
D516	RH-DX0045BMZZ	S	1N4148(37DT-25H)	AA	PACKAGED CIRCUITS				
D517	RH-DX0045BMZZ	S	1N4148(37DT-25H)	AA	PR701	RMPTP0028CEZZ	R	Packaged Circuit	AG
D601	RH-EX0409BMZZ	S	Zener Diode, 5.6V	AA	X801	RCRSB0115BMZZ	S	Crystal	AG
					X1001	RCRSB0225BMZZ	S	Crystal	AM
					COIL AND TRANSFORMERS				
					CF301	RFILC0023CEZZ	R	Filter	AE
					CF302	RFILC0268CEZZ	R	Filter	AD

Ref. No.	Part No.	*	Description	Code	Ref. No.	Part No.	*	Description	Code
PWB-A DUNTK7213BMV7/V5									
MOTHER UNIT(Continued)									
COIL AND TRANSFORMERS(Continued)									
L201	VP-DF470K0000	R	Peaking 47 μ H	AB	C250	VCKYTV1EF224Z	R	0.22 25V Ceramic	AA
L202	VP-DF120K0000	R	Peaking 12 μ H	AB	C252	VCKYTV1HF104Z	R	0.1 50V Ceramic	AA
L205	RCiLi0001BMZZ	S	IF Coil	AE	C301	VCEAGA1HW105M	R	1 50V Electrolytic	AA
L301	VP-XF3R3K0000	R	Peaking 3.3 μ H	AB	C302	VCEAGA1AW476M	R	47 10V Electrolytic	AA
L303	VP-DF3R3K0000	R	Peaking 3.3 μ H (37DT-25H)	AB	C303	VCKYTV1HF473Z	R	0.047 50V Ceramic	AA
L304	VP-DF3R3K0000	R	Peaking 3.3 μ H	AB	C304	YCEAGA1EW477M	R	470 25V Electrolytic	AD
L601	VP-CF4R7K0000	R	Peaking 4.7 μ H	AB	C304	VCEAGA1EW107M	R	100 25V Electrolytic	AB
L602	RCiLZ0707BMZZ	S	Coil(51DT-25H)	AH	C305	VCKYTV1HF473Z	R	0.047 50V Ceramic	AA
L604	VP-CF220K0000	R	Peaking 22 μ H	AB	C306	VCEAGA1HW225M	R	2.2 50V Electrolytic	AB
⚠ L701	RCiLF0111BMZZ	S	Coil(51DT-25H)	AL	C307	VCKYTV1HB223K	R	0.022 50V Ceramic	AA
⚠ L701	RCiLF0157BMZZ	S	Coil(37DT-25H)	AL	C308	VCEAGA1AW227M	R	220 10V Electrolytic	AB
L702	RCiLP0110CEZZ	R	Coil	AC	C309	VCEAGA2CW105M	R	1 160V Electrolytic	AB
L703	RCiLP0110CEZZ	R	Coil	AC	C407	VCKYTV1HB102K	R	1000p 50V Ceramic	AA
L790	RCiLP0213BMZZ	S	Coil(51DT-25H)	AF	C408	VCCCTV1HH101J	R	100p 50V Ceramic	AA
L1002	VP-DF120K0000	R	Peaking 12 μ H	AB	C409	VCCCTV1HH101J	R	100p 50V Ceramic	AA
L1003	VP-XF6R8K0000	R	Peaking 6.8 μ H	AB	C410	VCEAGA1CW476M	R	47 16V Electrolytic	AB
L1004	VP-DF120K0000	R	Peaking 12 μ H	AB	C411	VCCCTV1HH101J	R	100p 50V Ceramic	AA
L1005	VP-DF120K0000	R	Peaking 12 μ H	AB	C412	VCCCTV1HH101J	R	100p 50V Ceramic	AA
SF201	RFiLC0282BMZZ	S	Filter	AM	C413	VCCCTV1HH820J	R	82p 50V Ceramic	AA
⚠ T601	RTRNF2048BMZZ	S	H-Volt Transformer (51DT-25H)	AZ	C414	VCCCTV1HH820J	R	82p 50V Ceramic	AA
⚠ T601	RTRNF2047BMZZ	S	H-Volt Transformer (37DT-25H)	AY	C415	VCCCPA1HH101J	R	100p 50V Ceramic	AA
⚠ T700	RTRNZ0545BMZZ	S	Transformer(51DT-25H)	AM	C420	VCEAGA1CW476M	R	47 16V Electrolytic	AB
⚠ T700	RTRNZ0535BMZZ	S	Transformer(37DT-25H)	AR	C421	VCEAGA1CW476M	R	47 16V Electrolytic	AB
CAPACITORS									
C201	VCKYTV1HF473Z	R	0.047 50V Ceramic	AA	C504	VCCCTV1HH680J	R	68p 50V Ceramic	AA
C202	VCKYTV1HB223K	R	0.022 50V Ceramic	AA	C505	VCEAGA1HW475M	R	4.7 50V Electrolytic	AA
C203	VCKYTV1HB332K	R	3300p 50V Ceramic	AA	C508	VCQYTA1HM104J	R	0.1 50V Mylar	AA
C204	VCCCTV1HH680J	R	68p 50V Ceramic	AA	C511	VCKYTV1HB222K	R	2200p 50V Ceramic	AA
C205	VCEAGA1CW106M	R	10 16V Electrolytic	AA	C512	VCKYTV1HB102K	R	1000p 50V Ceramic	AA
C206	VCEAGA1CW108M	R	1000 16V Electrolytic	AE	C514	VCEAGA1EW227M	R	220 25V Electrolytic	AA
C207	VCKYTV1HF104Z	R	0.1 50V Ceramic	AA	C515	VCKYPA1HB561K	R	560p 50V Ceramic	AA
C208	VCEAGA1HW474M	R	0.47 50V Electrolytic	AA	C517	VCKYTV1HB333K	R	0.033 50V Ceramic	AA
C209	VCKYTV1HB223K	R	0.022 50V Ceramic	AA	C519	VCEAGA1CW108M	R	1000 16V Electrolytic	AE
C210	VCKYTV1EF224Z	R	0.22 25V Ceramic	AA				(51DT-25H)	
C211	VCKYTV1HF104Z	R	0.1 50V Ceramic	AA	C519	VCEAGA1CW107M	R	100 16V Electrolytic	AB
C212	VCKYTV1HF104Z	R	0.1 50V Ceramic	AA				(37DT-25H)	
C213	VCEAGA1CW226M	R	22 16V Electrolytic	AA	C520	VCEAGA1HW105M	R	1 50V Electrolytic	AA
C217	VCKYTV1HF473Z	R	0.047 50V Ceramic	AA				(37DT-25H)	
C218	VCCCTV1HH101J	R	100p 50V Ceramic	AA	C521	VCEAGA1CW106M	R	10 16V Electrolytic	AA
C225	VCEAGA1CW227M	R	220 16V Electrolytic	AC	C601	RC-FZ0147BMZZ	S	0.082 1.5kV Mylar	AE
C226	VCCCTV1HH101J	R	100p 50V Ceramic	AA				(51DT-25H)	
C229	VCCCTV1HH100D	R	10p 50V Ceramic	AA	C601	RC-FZ0144BMZZ	S	0.056 1.5kV Mylar	AE
C234	VCEAGA1HW225M	R	2.2 50V Electrolytic	AB				(37DT-25H)	
C235	VCEAGA1CW108M	R	1000 16V Electrolytic	AE	C602	RC-KZ0036CEZZ	R	330p 2kV Ceramic	AB
C236	VCEAGA1EW227M	R	220 25V Electrolytic	AA				(51DT-25H)	
C239	VCEAGA1CW106M	R	10 16V Electrolytic	AA	C602	RC-KZ0035CEZZ	R	220p 2kV Ceramic	AC
C240	VCKYTV1HB102K	R	1000p 50V Ceramic	AA				(37DT-25H)	
C242	VCKYTV1HF103Z	R	0.01 50V Ceramic	AA	C603	RC-FZ9153BMNJ	S	0.015 63V Mylar	AB
C245	VCKYTV1HF103Z	R	0.01 50V Ceramic	AA				(51DT-25H)	

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-A DUNTK7213BMV7/V5									
MOTHER UNIT(Continued)									
CAPACITORS(Continued)									
C603	RC-FZ9223BMNJ	S	0.022 63V Mylar (37DT-25H)	AB	C727	VCEAGH2CW107M	R 100	160V Electrolytic (51DT-25H)	AE
C604	VCEAGA1AW227M	R	220 10V Electrolytic	AB	C728	RC-KZ0029CEZZ	R 0.01	250V Ceramic	AC
C605	RC-FZ9104BMNJ	S	0.1 63V Mylar	AB	C729	VCKYPA1HB681K	R 680p	50V Ceramic (51DT-25H)	AA
C606	RC-FZ6474BMNJ	S	0.47 250V Mylar	AE	C801	VCKYTV1HF104Z	R 0.1	50V Ceramic	AA
C607	VCCCPA1HH390J	R	39p 50V Ceramic	AA	C802	VCKYTV1HF104Z	R 0.1	50V Ceramic	AA
C608	VCEAGA2CW105M	R	1 160V Electrolytic	AB	C803	VCKYTV1HF104Z	R 0.1	50V Ceramic	AA
C609	VCKYTV1HF103Z	R	0.01 50V Ceramic	AA	C804	VCEAGA1HW226M	R 22	50V Electrolytic (51DT-25H)	AB
C610	VCKYTV1HF103Z	R	0.01 50V Ceramic	AA	C804	VCEAGA1HW336M	R 33	50V Electrolytic (37DT-25H)	AB
C612	VCEAGA1HW105M	R	1 50V Electrolytic	AA	C805	VCKYTV1HF104Z	R 0.1	50V Ceramic	AA
C613	VCKYTV1HB472K	R	4700p 50V Ceramic	AA	C806	VCEAGA1CW107M	R 100	16V Electrolytic	AB
C614	VCKYTV1HF103Z	R	0.01 50V Ceramic	AA	C807	VCKYTV1HB223K	R 0.022	50V Ceramic	AB
C615	VCKYPA2HB221K	R	220p 500V Ceramic (51DT-25H)	AA	C809	VCKYTV1HB472K	R 4700p	50V Ceramic	AA
C617	RC-FZ9104BMNJ	S	0.1 63V Mylar	AB	C810	VCKYTV1HF104Z	R 0.1	50V Ceramic	AA
C620	RC-FZ9104BMNJ	S	0.1 63V Mylar	AB	C815	VCEAGA1HW225M	R 2.2	50V Electrolytic	AB
C622	VCEAGA1AW227M	R	220 10V Electrolytic	AB	C816	VCKYTV1HB102K	R 1000p	50V Ceramic	AA
C623	VCCSTV1HL471J	R	470p 50V Ceramic	AA	C817	VCKYTV1HB102K	R 1000p	50V Ceramic	AA
C625	RC-FZ9224BMNJ	S	0.22 63V Mylar	AC	C820	VCCCTV1HH180J	R 18p	50V Ceramic	AA
△C702	RC-FZ0070BMZZ	S	0.1 250V Mylar	AD	C825	VCKYTV1HF104Z	R 0.1	50V Ceramic	AA
C703	RC-KZ0029CEZZ	R	0.01 250V Ceramic	AC	C826	VCEAGA1HW475M	R 4.7	50V Electrolytic	AB
C704	RC-KZ0029CEZZ	R	0.01 250V Ceramic	AC	C827	VCCCTV1HH101J	R 100p	50V Ceramic	AA
C705	RC-KZ0029CEZZ	R	0.01 250V Ceramic	AC	C828	VCCCTV1HH101J	R 100p	50V Ceramic	AA
C706	RC-EZ0100BMZZ	S	100 400V Electrolytic (51DT-25H)	AM	C829	VCCCTV1HH101J	R 100p	50V Ceramic	AA
C706	RC-EZ0115BMZZ	S	68 400V Electrolytic (37DT-25H)	AH	C901	VCKYTV1HF224Z	R 0.22	50V Ceramic	AC
C707	RC-FZ9153BMNJ	S	0.015 63V Mylar	AB	C906	VCKYTV1EF224Z	R 0.22	25V Ceramic	AA
C708	RC-FZ9683BMNJ	S	0.068 63V Mylar	AB	C1002	VCEAGA1HW475M	R 4.7	50V Electrolytic	AB
C709	RC-FZ9332BMNJ	S	0.0033 63V Mylar	AA	C1004	VCEAGA1AW476M	R 47	10V Electrolytic	AA
C710	VCKYPA1HB102K	R	1000p 50V Ceramic	AA	C1005	VCKYTV1HF104Z	R 0.1	50V Ceramic	AA
C711	VCEAGH2CW107M	R	100 160V Electrolytic	AE	C1008	VCCCTV1HH220J	R 22p	50V Ceramic	AA
C712	VCEAGA1CW227M	R	220 16V Electrolytic	AC	C1009	VCCCTV1HH220J	R 22p	50V Ceramic	AA
C713	VCEAGA1CW108M	R	1000 16V Electrolytic	AE	C1011	VCKYPA1HB102J	R 1000p	50V Ceramic	AA
C714	VCEAGA1AW477M	R	470 10V Electrolytic	AB	C1012	VCKYTV1HF224Z	R 0.22	50V Ceramic	AC
C715	RC-FZ9224BMNJ	S	0.22 63V Mylar	AC	C1013	VCKYTV1HB473K	R 0.047	50V Ceramic	AA
C716	VCEAGA1CW107M	R	100 16V Electrolytic	AB	C1014	VCEAGA1HW225M	R 2.2	50V Electrolytic	AB
C717	VCKYTV1HF104Z	R	0.1 50V Ceramic	AA	C1015	VCKYTV1HF104Z	S 0.1	50V Ceramic	AA
C718	RC-KZ0035CEZZ	R	220p 2kV Ceramic (37DT-25H)	AC	C1016	VCKYTV1HF473Z	R 0.047	50V Ceramic	AB
C718	RC-KZ0036CEZZ	R	330p 2kV Ceramic (51DT-25H)	AC	C1017	VCCCTV1HH680J	R 68p	50V Ceramic	AA
C719	VCEAGA1VW477M	R	470 35V Electrolytic (51DT-25H)	AD	C1018	VCCCTV1HH390J	R 39p	50V Ceramic	AA
C719	VCEAGA1VW227M	R	220 35V Electrolytic (37DT-25H)	AB	C1019	VCEAGA1CW106M	R 10	16V Electrolytic	AA
C721	VCKYTV1HF104Z	R	0.1 50V Ceramic	AA	C1020	VCKYTV1HF473Z	R 0.047	50V Ceramic	AB
△C722	RC-KZ0106GEZZ	R	3300p 4kV Ceramic	AG	C1021	VCKYTV1HB473K	R 0.047	50V Ceramic	AA
C723	RC-FZ9224BMNJ	S	0.22 63V Mylar	AC	C1022	VCKYTV1HB333K	R 0.033	50V Ceramic	AA
C724	VCEAGA1CW106M	R	10 16V Electrolytic	AA	C1023	VCKYTV1EF224Z	R 0.22	25V Ceramic	AA
C725	RC-KZ0035CEZZ	R	220p 2kV Ceramic	AB	C1024	VCCCTV1HH151J	R 150p	50V Ceramic	AA
C726	VCKYPA1HB471K	R	470p 50V Ceramic	AA	C1026	VCCCTV1HH101J	R 100p	50V Ceramic	AA
					C1027	VCKYTV1HF104Z	R 0.1	50V Ceramic	AA
					C1028	VCKYPA1HB102K	R 1000p	50V Ceramic	AA
					C1030	VCKYTV1HB102K	R 1000p	50V Ceramic	AA
					C1031	VCKYTV1EF224Z	R 0.22	25V Ceramic	AA
					C1032	RC-FZ9334BMZZ	S 0.33	63V Mylar (37DT-25H)	AC
					C1033	VCKYTV1HB102K	R 1000p	50V Ceramic	AA
					C1034	VCKYPA1HF103Z	R 0.01	50V Ceramic (51DT-25H)	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-A DUNTK7213BMV7/V5									
MOTHER UNIT(Continued)									
RESISTORS									
R201	VRS-TV1JD102J	R	1k 1/16W Metal Oxide	AA	R366	VRD-RA2BE221J	R	220 1/8W Carbon	AA
R202	VRS-TV1JD271J	R	270 1/16W Metal Oxide	AA	R404	VRS-TV1JD102J	R	1k 1/16W Metal Oxide	AA
R203	VRS-TV1JD561J	R	560 1/16W Metal Oxide	AA	R407	VRD-RA2HD680J	R	68 1/2W Carbon	AA
R204	VRS-TV1JD475J	R	4.7M 1/16W Metal Oxide	AA	R408	VRD-RA2BE221J	R	220 1/8W Carbon	AA
R205	VRS-TV1JD682J	R	6.8k 1/16W Metal Oxide	AA	R410	VRD-RA2BE820J	R	82 1/8W Carbon	AA
R209	VRS-TV1JD473J	R	47k 1/16W Metal Oxide	AA	R412	VRS-TV1JD222J	R	2.2k 1/16W Metal Oxide	AA
R210	VRS-TV1JD101J	R	100 1/16W Metal Oxide	AA	R414	VRD-RA2BE820J	R	82 1/8W Carbon	AA
R211	VRS-TV1JD101J	R	100 1/16W Metal Oxide	AA	R415	VRS-TV1JD222J	R	2.2k 1/16W Metal Oxide	AA
R225	VRS-TV1JD181J	R	180 1/16W Metal Oxide	AA	R416	VRS-TV1JD102J	R	1k 1/16W Metal Oxide	AA
R228	VRS-TV1JD332J	R	3.3k 1/16W Metal Oxide	AA	R417	VRD-RA2BE820J	R	82 1/8W Carbon	AA
R231	VRS-TV1JD183J	R	18k 1/16W Metal Oxide	AA	R418	VRS-TV1JD102J	R	1k 1/16W Metal Oxide	AA
R232	VRS-TV1JD223J	R	22k 1/16W Metal Oxide	AA	R419	VRS-TV1JD222J	R	2.2k 1/16W Metal Oxide	AA
R233	VRS-TV1JD471J	R	470 1/16W Metal Oxide	AA	R420	VRD-RA2BE820J	R	82 1/8W Carbon	AA
R234	VRS-TV1JD223J	R	22k 1/16W Metal Oxide	AA	R421	VRS-TV1JD470J	R	47 1/16W Metal Oxide	AA
R235	VRS-TV1JD563J	R	56k 1/16W Metal Oxide	AA	R422	VRS-TV1JD104J	R	100k 1/16W Metal Oxide	AA
R236	VRD-RA2HD122J	R	1.2k 1/2W Carbon	AA	R423	VRS-TV1JD472J	R	4.7k 1/16W Metal Oxide	AA
R238	VRS-TV1JD152J	R	1.5k 1/16W Metal Oxide	AA	R424	VRS-TV1JD103J	R	10k 1/16W Metal Oxide	AA
R239	VRS-TV1JD331J	R	330 1/16W Metal Oxide	AA	R425	VRS-TV1JD104J	R	100k 1/16W Metal Oxide	AA
△ R240	RR-XZ0100BMZZ	S	1 1/3W Fuse Resistor	AB	R426	VRS-TV1JD682J	R	6.8k 1/16W Metal Oxide	AA
R248	VRS-TV1JD102J	R	1k 1/16W Metal Oxide	AA	R427	VRS-TV1JD682J	R	6.8k 1/16W Metal Oxide	AA
R250	VRD-RA2BE820J	R	82 1/8W Carbon	AA	R428	VRS-TV1JD104J	R	100k 1/16W Metal Oxide	AA
R253	VRS-TV1JD470J	R	47 1/16W Metal Oxide	AA	R429	VRD-RA2BE221J	R	220 1/8W Carbon	AA
R256	VRS-TV1JD272J	R	2.7k 1/16W Metal Oxide	AA	R434	VRS-TV1JD102J	R	1k 1/16W Metal Oxide	AA
R258	VRD-RA2BE473J	R	4.7k 1/8W Carbon	AA	R435	VRD-RA2BE472J	R	4.7k 1/8W Carbon	AA
R301	VRS-TV1JD471J	R	470 1/16W Metal Oxide	AA				(51DT-25H)	
R302	VRS-TV1JD333J	R	33k 1/16W Metal Oxide	AA	R435	VRS-TV1JD472J	R	4.7k 1/16W Metal Oxide	AA
R303	VRS-TV1JD104J	R	100k 1/16W Metal Oxide	AA				(37DT-25H)	
R304	VRS-TV1JD103J	R	10k 1/16W Metal Oxide	AA	R436	VRS-TV1JD472J	R	4.7k 1/16W Metal Oxide	AA
△ R305	RR-XZ0204BMZZ	S	2.2 1/2W Fuse Resistor	AB	R437	VRS-TV1JD472J	R	4.7k 1/16W Metal Oxide	AA
R306	VRS-TV1JD561J	R	560 1/16W Metal Oxide	AA	R500	VRS-TV1JD473J	R	47k 1/16W Metal Oxide	AA
			(51DT-25H)		R501	VRD-RA2HD102J	R	1k 1/2W Carbon	AA
R306	VRS-TV1JD102J	R	1k 1/16W Metal Oxide	AA	R502	VRD-RA2HD102J	R	1k 1/2W Carbon	AA
			(37DT-25H)					(51DT-25H)	
R307	VRS-TV1JD104J	R	100k 1/16W Metal Oxide	AA	R502	VRD-RA2HD182J	R	1.8k 1/2W Carbon	AA
R308	VRS-TV1JD101J	R	100 1/16W Metal Oxide	AA				(37DT-25H)	
R309	VRS-TV1JD103J	R	10k 1/16W Metal Oxide	AA	R503	VRS-TV1JD472J	R	4.7k 1/16W Metal Oxide	AA
R310	VRS-TV1JD471J	R	470 1/16W Metal Oxide	AA	△ R504	RR-XZ0104BMZZ	S	2.2 1/3W Fuse Resistor	AB
			(37DT-25H)					(51DT-25H)	
R311	VRS-TV1JD471J	R	470 1/16W Metal Oxide	AA	△ R504	RR-XZ0109BMZZ	S	5.6 1/3W Fuse Resistor	AB
			(37DT-25H)					(37DT-25H)	
R312	VRD-RA2HD472J	R	4.7k 1/2W Carbon	AA	R505	VRS-TV1JD182J	R	1.8k 1/16W Metal Oxide	AA
R313	VRD-RA2HD472J	R	4.7k 1/2W Carbon	AA	△ R506	RR-XZ0100BMZZ	S	1 1/3W Fuse Resistor	AB
R314	VRD-RA2HD472J	R	4.7k 1/2W Carbon	AA	R507	VRD-RA2HD561J	R	560 1/2W Carbon	AA
R315	VRS-TV1JD821J	R	820 1/16W Metal Oxide	AA	R508	VRS-TV1JD330J	R	33 1/16W Metal Oxide	AA
R316	VRD-RA2BE103J	R	10k 1/8W Carbon	AA	R510	VRS-TV1JD153J	R	15k 1/16W Metal Oxide	AA
R317	VRS-TV1JD102J	R	1k 1/16W Metal Oxide	AA	R511	VRS-TV1JD103J	R	10k 1/16W Metal Oxide	AA
R318	VRS-TV1JD153J	R	15k 1/16W Metal Oxide	AA	△ R512	RR-XZ0109BMZZ	S	5.6 1/3W Fuse Resistor	AB
R362	VRS-TV1JD222J	R	2.2k 1/16W Metal Oxide	AA	R513	VRS-TV1JD182J	R	1.8k 1/16W Metal Oxide	AA
R363	VRS-TV1JD102J	R	1k 1/16W Metal Oxide	AA	R514	VRD-RA2BE103J	R	10k 1/8W Carbon	AA
R364	VRS-TV1JD471J	R	470 1/16W Metal Oxide	AA	R515	VRS-TV1JD821J	R	820 1/16W Metal Oxide	AA
R365	VRD-RA2BE221J	R	220 1/8W Carbon	AA	R516	VRS-TV1JD472J	R	4.7k 1/16W Metal Oxide	AA
					R518	VRD-RA2HD1R5J	R	1.5 1/2W Carbon	AA
								(51DT-25H)	
					R518	VRD-RA2HD1R8J	R	1.8 1/2W Carbon	AA
								(37DT-25H)	
					R519	VRS-TV1JD103J	R	10k 1/16W Metal Oxide	AA
					R520	VRS-TV1JD222J	R	2.2k 1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
PWB-A DUNTK7213BMV7/V5					MOTHER UNIT(Continued)				
RESISTORS(Continued)									
R521	VRD-RA2BE564J	R	560k 1/8W Carbon	AA	R622	VRS-TV1JD153J	R	15k 1/16W Metal Oxide	AA
			(37DT-25H)		R623	VRS-TV1JD224J	R	220k 1/16W Metal Oxide	AA
R522	VRS-TV1JD332J	R	3.3k 1/16W Metal Oxide	AA	R624	VRS-TV1JD564J	R	560k 1/16W Metal Oxide	AA
			(37DT-25H)					(51DT-25H)	
R523	VRD-RA2BE473J	R	47k 1/8W Carbon	AA	R624	VRS-TV1JD274J	R	270k 1/16W Metal Oxide	AA
			(37DT-25H)					(37DT-25H)	
R525	VRD-RA2BE102J	R	1k 1/8W Carbon	AA	R632	VRD-RA2HD471J	R	470 1/2W Carbon	AA
R528	VRS-TV1JD184J	R	180k 1/16W Metal Oxide	AA	R633	VRS-TV1JD153J	R	15k 1/16W Metal Oxide	AA
R529	VRS-TV1JD102J	R	1k 1/16W Metal Oxide	AA	R702	VRD-RA2HD224J	R	220k 1/2W Carbon	AA
R530	VRS-TV1JD332J	R	3.3k 1/16W Metal Oxide	AA	R703	VRW-KP3HC5R6K	R	5.6 5W Cement	AC
R531	VRS-TV1JD101J	R	100 1/16W Metal Oxide	AA	R704	VRD-RA2HD564J	R	560k 1/2W Carbon	AA
R532	VRD-RA2HD821J	R	820 1/2W Carbon	AA	R705	VRD-RA2HD564J	R	560k 1/2W Carbon	AA
			(51DT-25H)		R706	VRN-VV3ABR27J	R	0.27 1W Metal Film	AA
R532	VRS-TV1JD102J	R	1k 1/16W Metal Oxide	AA				(51DT-25H)	
			(37DT-25H)		R706	VRN-VV3ABR47J	R	0.47 1W Metal Film	AA
								(37DT-25H)	
R601	VRD-RA2BE123J	R	12k 1/8W Carbon	AA	R707	VRD-RA2BE221J	R	220 1/8W Carbon	AA
R602	VRD-RA2HD331J	R	330 1/2W Carbon	AA	R708	VRD-RA2HD102J	R	1k 1/2W Carbon	AA
△ R603	RR-XZ0200BMZZ	S	Resistor		R709	VRD-RA2BE330J	R	33 1/8W Carbon	AA
R604	VRD-RA2HD1R5J	R	1.5 1/2W Carbon	AA	R710	VRD-RA2HD102J	R	1k 1/2W Carbon	AA
			(51DT-25H)					(51DT-25H)	
R604	VRD-RA2EE6R8J	R	6.8 1/4W Carbon	AA	R710	VRD-RA2HD561J	R	560 1/2W Carbon	AA
			(37DT-25H)					(37DT-25H)	
R605	VRD-RA2HD1R5J	R	1.5 1/2W Carbon	AA	R711	VRD-RA2BE561J	R	560 1/8W Carbon	AA
			(51DT-25H)		R712	VRD-RA2EE561J	R	560 1/4W Carbon	AA
R605	VRD-RA2EE5R6J	R	5.6 1/4W Carbon	AA	R713	VRS-TV1JD220J	R	22 1/16W Metal Oxide	AA
			(37DT-25H)		R714	VRS-TV1JD101J	R	100 1/16W Metal Oxide	AA
R606	VRD-RA2HD2R2J	R	2.2 1/2W Carbon	AA	R715	VRS-TV1JD152J	R	1.5k 1/16W Metal Oxide	AA
			(37DT-25H)					(51DT-25H)	
R607	VRD-RA2BE472J	R	4.7k 1/8W Carbon	AA	R715	VRS-TV1JD681J	R	680 1/16W Metal Oxide	AA
R608	VRD-RA2BE222J	R	2.2k 1/8W Carbon	AA				(37DT-25H)	
R609	VRN-VV3AB3R3J	R	3.3 1W Metal Film	AA	R716	VRS-TV1JD123J	R	12k 1/16W Metal Oxide	AA
			(51DT-25H)					(51DT-25H)	
R609	VRN-VV3AB1R2J	R	1.2 1W Metal Film	AA	R716	VRS-TV1JD273J	R	27k 1/16W Metal Oxide	AA
			(37DT-25H)					(37DT-25H)	
R610	VRD-RA2HD222J	R	2.2k 1/2W Carbon	AA	R717	VRS-TV1JD4R7J	R	4.7 1/16W Metal Oxide	AA
			(51DT-25H)		R718	VRD-RA2BE472J	R	4.7k 1/8W Carbon	AA
△ R611	RR-XZ0242BMZZ	S	3.3k 1/2W Fuse Resistor	AB				(37DT-25H)	
R612	VRS-TV1JD153J	R	15k 1/16W Metal Oxide	AA	R718	VRS-TV1JD333J	R	33k 1/16W Metal Oxide	AA
R613	VRS-TV1JD101J	R	100 1/16W Metal Oxide	AA				(37DT-25H)	
R615	VRS-TV1JD153J	R	15k 1/16W Metal Oxide	AA	R719	VRD-RA2HD181J	R	180 1/2W Carbon	AA
R616	VRD-RA2HD270J	R	27 1/2W Carbon	AA				(51DT-25H)	
			(37DT-25H)		R720	VRD-RA2BE223J	R	22k 1/8W Carbon	AA
R616	VRS-VV3DB270J	R	27 2W Metal Oxide	AA	△ R721	VRC-UA2HG825K	R	8.2M 1/2W Solid	AA
			(51DT-25H)		△ R722	VRC-UA2HG825K	R	8.2M 1/2W Solid	AA
R617	VRS-VV3DB470J	R	47 2W Metal Oxide	AA	R724	VRS-TV1JD471J	R	470 1/16W Metal Oxide	AA
			(51DT-25H)		R725	VRS-TV1JD222J	R	2.2k 1/16W Metal Oxide	AA
R618	VRD-RA2HD102J	R	1k 1/2W Carbon	AA	R729	VRD-RA2EE472J	R	4.7k 1/4W Carbon	AA
R619	VRD-RA2HD270J	R	27 1/2W Carbon	AA	R730	RR-XZ0204BMZZ	S	2.2 1/2W Fuse Resistor	AB
			(37DT-25H)		R801	VRS-TV1JD104J	R	100k 1/16W Metal Oxide	AA
R619	VRS-VV3DB220J	R	22 2W Metal Oxide	AA	R802	VRS-TV1JD221J	R	220 1/16W Metal Oxide	AA
			(51DT-25H)		R803	VRS-TV1JD4R7J	R	4.7 1/16W Metal Oxide	AA
R620	VRD-RA2HD102J	R	1k 1/2W Carbon	AA	R804	VRS-TV1JD393J	R	39k 1/16W Metal Oxide	AA
R621	VRS-TV1JD103J	R	10k 1/16W Metal Oxide	AA	R805	VRS-TV1JD395J	R	3.9M 1/16W Metal Oxide	AA
					R806	VRS-TV1JD2R2J	R	2.2 1/16W Metal Oxide	AA
					R807	VRS-TV1JD221J	R	220 1/16W Metal Oxide	AA
					R809	VRS-TV1JD101J	R	100 1/16W Metal Oxide	AA

Ref. No.	Part No.	*	Description	Code
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PWB-A DUNTK7213BMV7/V5**MOTHER UNIT(Continued)****RESISTORS(Continued)**

R810	VRS-TV1JD101J	R 100	1/16W Metal Oxide	AA
R814	VRS-TV1JD101J	R 100	1/16W Metal Oxide	AA
R815	VRS-TV1JD101J	R 100	1/16W Metal Oxide	AA
R816	VRS-TV1JD101J	R 100	1/16W Metal Oxide	AA
R825	VRS-TV1JD682J	R 6.8k	1/16W Metal Oxide	AA
R834	VRS-TV1JD102J	R 1k	1/16W Metal Oxide	AA
R836	VRD-RA2BE681J	R 680	1/8W Carbon	AA
R837	VRS-TV1JD000J	R 0	1/16W Metal Oxide	AA
R838	VRS-TV1JD821J	R 820	1/16W Metal Oxide	AA
R895	VRS-TV1JD471J	R 470	1/16W Metal Oxide	AA
			(51DT-25H)	
R896	VRS-TV1JD471J	R 470	1/16W Metal Oxide	AA
			(51DT-25H)	
R901	VRS-TV1JD102J	R 1k	1/16W Metal Oxide	AA
R902	VRS-TV1JD221J	R 220	1/16W Metal Oxide	AA
R903	VRD-RA2BE470J	R 47	1/8W Carbon	AA
R904	VRD-RA2BE221J	R 220	1/8W Carbon	AA
R1001	VRS-TV1JD472J	R 4.7k	1/16W Metal Oxide	AA
R1002	VRS-TV1JD472J	R 4.7k	1/16W Metal Oxide	AA
R1003	VRS-TV1JD103J	R 10k	1/16W Metal Oxide	AA
R1004	VRS-TV1JD392J	R 3.9k	1/16W Metal Oxide	AA
R1005	VRS-TV1JD102J	R 1k	1/16W Metal Oxide	AA
R1006	VRS-TV1JD102J	R 1k	1/16W Metal Oxide	AA
R1007	VRS-TV1JD102J	R 1k	1/16W Metal Oxide	AA
R1008	VRD-RA2BE102J	R 1k	1/8W Carbon	AA
R1009	VRS-TV1JD331J	R 330	1/16W Metal Oxide	AA
R1010	VRS-TV1JD331J	R 330	1/16W Metal Oxide	AA
R1011	VRS-TV1JD331J	R 330	1/16W Metal Oxide	AA
R1013	VRS-TV1JD561J	R 560	1/16W Metal Oxide	AA
R1014	VRD-RA2BE104J	R 100k	1/8W Carbon	AA
R1015	VRS-TV1JD000J	R 0	1/16W Metal Oxide	AA
R1016	VRS-TV1JD101J	R 100	1/16W Metal Oxide	AA
R1017	VRS-TV1JD473J	R 47k	1/16W Metal Oxide	AA
R1018	VRS-TV1JD153J	R 15k	1/16W Metal Oxide	AA
R1021	VRS-TV1JD223J	R 22k	1/16W Metal Oxide	AA
R1022	VRS-TV1JD103J	R 10k	1/16W Metal Oxide	AA
R1026	VRS-TV1JD103J	R 10k	1/16W Metal Oxide	AA
R1027	VRS-TV1JD332J	R 3.3k	1/16W Metal Oxide	AA
R1028	VRS-TV1JD332J	R 3.3k	1/16W Metal Oxide	AA
R1029	VRS-TV1JD103J	R 10k	1/16W Metal Oxide	AA
R1030	VRD-RA2BE392J	R 3.9k	1/8W Carbon	AA
R1034	VRD-RA2BE153J	R 15k	1/8W Carbon	AA
R1035	VRS-TV1JD223J	R 22k	1/16W Metal Oxide	AA
R1037	VRS-TV1JD103J	R 10k	1/16W Metal Oxide	AA
R1038	VRS-TV1JD221J	R 220	1/16W Metal Oxide	AA
R1039	VRS-TV1JD221J	R 220	1/16W Metal Oxide	AA
R1041	VRS-TV1JD221J	R 220	1/16W Metal Oxide	AA
R1048	VRD-RA2HD472J	R 4.7k	1/2W Carbon	AA
R1049	VRD-RA2HD472J	R 4.7k	1/2W Carbon	AA
R1058	VRS-TV1JD472J	R 4.7k	1/16W Metal Oxide	AA
R1059	VRD-RA2HD472J	R 4.7k	1/2W Carbon	AA
R1066	VRS-TV1JD103J	R 10k	1/16W Metal Oxide	AA
R1068	VRS-TV1JD823J	R 82k	1/16W Metal Oxide	AA

Ref. No.	Part No.	*	Description	Code
R1069	VRS-TV1JD682J	R 6.8k	1/16W Metal Oxide	AA
R1070	VRS-TV1JD822J	R 8.2k	1/16W Metal Oxide	AA
R1071	VRS-TV1JD682J	R 6.8k	1/16W Metal Oxide	AA
R1072	VRS-TV1JD684J	R 680k	1/16W Metal Oxide	AA
R1073	VRS-TV1JD222J	R 2.2k	1/16W Metal Oxide	AA
R1075	VRS-TV1JD103J	R 10k	1/16W Metal Oxide	AA
R1077	VRS-TV1JD472J	R 4.7k	1/16W Metal Oxide	AA
R1078	VRS-TV1JD271J	R 270	1/16W Metal Oxide	AA
R1079	VRS-TV1JD105J	R 1M	1/16W Metal Oxide	AA
R1080	VRS-TV1JD332J	R 3.3k	1/16W Metal Oxide	AA
R1081	VRS-TV1JD101J	R 100	1/16W Metal Oxide	AA
R1082	VRS-TV1JD101J	R 100	1/16W Metal Oxide	AA
R1083	VRD-RA2BE331J	R 330	1/8W Carbon	AA

MISCELLANEOUS PARTS

⚠ F701	QFS-C3226CEZZ	R Fuse T3,15A		AE
L203	RBLN-0037CEZZ	R Balun		AB
FB301	RBLN-0037CEZZ	R Balun		AB
FB304	RBLN-0037CEZZ	R Balun		AB
FB601	RBLN-0037CEZZ	R Balun(37DT-25H)		AB
FB1001	RBLN-0037CEZZ	R Balun		AB
FB1002	RBLN-0037CEZZ	R Balun		AB
FB1003	RBLN-0037CEZZ	R Balun(51DT-25H)		AB
FH1001	QFSDH1017CEZZ	R Fuse Holder		AC
FH1002	QFSDH1018CEZZ	R Fuse Holder		AC
⚠ P701	QPLGN0304CEZZ	R Plug		AB
⚠ P702	QPLGN0207CEZZ	R Plug		AA
P883	QTIPM0017CEFM	R TiP		AA
RMC1	RRMCU0222CEZZ	R Remote Receiver		AL
⚠ S701	QSW-P0588CEZZ	R Switch		AP
S1001	QSW-K0079GEZZ	J Switch		AB
S1002	QSW-K0079GEZZ	J Switch		AB
S1003	QSW-K0079GEZZ	J Switch		AB
S1004	QSW-K0079GEZZ	J Switch		AB
LHLD3009CEFN		R Holder(51DT-25H)		AC
LHLD3500BMFW		S Holder(51DT-25H)		AC
LHLDK1501BM00		S Holder		AB
LHLDW1033CE00		R Holder		AA
LHLDW1060CEZZ		R Holder(51DT-25H)		AB
LHLDW1506BMZZ		S Holder(51DT-25H)		AA
LHLDW1514BM00		S Holder(51DT-25H)		AA
LHLDW1660CEZZ		S Holder(51DT-25H)		—
LHLDZ1714BMZZ		S Holder(51DT-25H)		AC
MSPRK0042BMFW		S Spring(51DT-25H)		AB
MSPRK1003BMFW		S Spring		AB
PSPAG1000BM00		S Spacer(37DT-25H)		AA
PSPAG1002BM00		S Spacer(51DT-25H)		AB
⚠ QACCB5007BMZZ		S AC Cord		AW
QCNW-1064BMZZ		S Connecting Cord		AE
		(51DT-25H)		
QCNW-2676BMZZ		S Connecting Cord		AE
		(37DT-25H)		
QCNW-2689BMZZ		S Connecting Cord		AF
		(51DT-25H)		
QCNW-2704BMZZ		S Connecting Cord		AF
		(37DT-25H)		

Ref. No.	Part No.	★	Description	Code
QCNW-2705BMZZ	S		Connecting Cord (37DT-25H)	AG
QCNW-2709BMZZ	S		Connecting Cord (51DT-25H)	AG
QCNW-2710BMZZ	S		Connecting Cord (51DT-25H)	AF
QCNW-2711BMZZ	S		Connecting Cord (51DT-25H)	AG
QCNW-2712BMZZ	S		Connecting Cord (37DT-25H)	AB
QCNW-3053BMZZ	S		Connecting Cord (37DT-25H)	AD
QJAKF0014CEZZ	R		Jack(51DT-25H)	AE
QJAKJ0047CEZZ	R		Jack(37DT-25H)	AD
QPLGN0241CEZZ	R		Plug	AA
QPLGN0505CEZZ	R		Plug	AB
QSOCN0302CEZZ	R		Socket	AA
QSOCZ2107BMZZ	S		Socket	AE
QTIPM0025TAZZ	R		Tip	AA
VSP0010PBQ4WA	S		Speaker(51DT-25H)	AR
VSP0080PBL6YS	S		Speaker(37DT-25H)	AH

For Service Manuals
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Ref. No.	Part No.	★	Description	Code
PWB-B DUNTK7214BMV7/V5				
CRT SOCKET UNIT				
TRANSISTORS				
Q870	RH-TX0181BMZZ	S	BF422	AB
Q871	RH-TX0181BMZZ	S	BF422	AB
Q872	RH-TX0181BMZZ	S	BF422	AB
Q883	RH-TX0180BMZZ	S	BF421	AB
Q885	RH-TX0180BMZZ	S	BF421	AB
Q887	RH-TX0180BMZZ	S	BF421	AB
DIODES				
D811	RH-DX0045BMZZ	S	1N4148	AA
D812	RH-DX0045BMZZ	S	1N4148	AA
D880	RH-DX0045BMZZ	S	Diode	AA
D881	RH-DX0045BMZZ	S	Diode	AA
D882	RH-DX0045BMZZ	S	Diode	AA
COIL				
L881	VP-CF120K0000	R	Peaking 12μH	AA
CAPACITORS				
C871	VCCSTV1HL471J	R	470p 50V Ceramic	AA
C872	VCCSTV1HL471J	R	470p 50V Ceramic	AA
C873	VCCSTV1HL471J	R	470p 50V Ceramic	AA
C874	VCKYPA2HB102K	R	1000p 500V Ceramic	AA
C876	RC-KZ0023CEZZ	R	Capacitor	AD
C878	VCEAGA2DW106M	R	10 200V Electrolytic	AC
C880	VCCSTV1HL471J	R	470p 50V Ceramic	AA
C881	VCCSTV1HL471J	R	470p 50V Ceramic	AA
C882	VCCSTV1HL471J	R	470p 50V Ceramic	AA
RESISTORS				
R879	VRS-TV1JD471J	R	470 1/16W Metal Oxide	AA
R880	VRS-TV1JD471J	R	470 1/16W Metal Oxide	AA
R881	VRS-TV1JD471J	R	470 1/16W Metal Oxide	AA
R882	VRS-VV3DB153J	R	15k 2W Metal Oxide	AA
R883	VRC-MA2HG272K	R	2.7k 1/2W Solid	AA
R884	VRS-VV3DB153J	R	15k 2W Metal Oxide	AA
R885	VRC-MA2HG272K	R	2.7k 1/2W Solid	AA
R886	VRS-VV3DB153J	R	15k 2W Metal Oxide	AA
R887	VRC-MA2HG272K	R	2.7k 1/2W Solid	AA
R888	VRS-TV1JD471J	R	470 1/16W Metal Oxide (37DT-25H)	AA
R892	VRS-TV1JD102J	R	1k 1/16W Metal Oxide	AA
R893	VRS-TV1JD102J	R	1k 1/16W Metal Oxide	AA
R894	VRS-TV1JD102J	R	1k 1/16W Metal Oxide	AA
R895	VRD-RA2BE471J	R	470 1/8W Carbon (51DT-25H)	AA
R896	VRD-RA2BE471J	R	470 1/8W Carbon (51DT-25H)	AA
R898	VRS-TV1JD471J	R	470 1/16W Metal Oxide (37DT-25H)	AA
R899	VRS-TV1JD471J	R	470 1/16W Metal Oxide	AA

— End of RWB-A —

Ref. No.	Part No.	★	Description	Code
MISCELLANEOUS PARTS				
P883	QTIPM0017CEFM	R	Tip	AA
△SC881	QSOCV0842CEZZ	R	Socket(37DT-25H)	AH
△SC881	QSOCV0103BMZZ	S	Socket(51DT-25H)	AG

Ref. No.	Part No.	★	Description	Code
SUPPLIED ACCESSORIES				

ACCESSORIES

QANTL0001BMZZ	S	Antenna(37DT-25H)	AM
RRMCG1060BMSA	S	Infrared R-C	AU
TiNS-6498BMN0	S	Instruction Book	AF
TiNS-6499BMN0	S	Instruction Book	AB

ACCESSORIES (NOT REPLACEMENT ITEM)

UBATU0007UMZZ	-	Battery	—
TGAN-3170UMZZ	-	Guarantee Card	—

— End of SUPPLIED ACCESSORIES —

LABELS

(NOT REPLACEMENT ITEM)

TLABN0130BMNI	-	Label	—
TLABN0132BMZZ	-	Label	—
TLABM5451BMZZ	-	Label	—
TLABV2397BMZZ	-	Label(51DT-25H)	—
TLABV2403BMZZ	-	Label(37DT-25H)	—

— End of LABELS —

PACKING PARTS

(NOT REPLACEMENT ITEM)

MODEL 37DT-25H

SPAKC5356BMZZ	-	Packing Case	—
SPAKX4047BMZZ	-	Packing Add.	—
SSAKA1004BMZZ	-	Polyethylene Bag	—
TLABK0001TAZZ	-	Label	—

MODEL 51DT-25H

SPAKC5352BMZZ	-	Packing Case	—
SPAKX4048BMZZ	-	Packing Add.	—
SSAKA1004BMZZ	-	Polyethylene Bag	—

— End of PWB-B —

— End of PACKING PARTS —

Ref. No.	Part No.	★	Description	Code
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CABINET PARTS

MODEL 37DT-25H

1	CCABA1216BMV0	S	Cabinet Ass'y, Front	AX
1-1			Cabinet, Front	
1-2	HBDGB1017BMSA	S	Badge	AC
1-3	HDECQ0021BMSA	S	Decoration Plate	AB
1-4	HDECQ0022BMSA	S	Decoration Plate	AB
1-5	JBTN-1038BMSA	S	Button, Power	AB
1-6	JBTN-1039BMSA	S	Button, Up/Down	AC
1-7	MSPRC0106BMFW	S	Spring, Power Button	AA
1-8	PZETV1005BMKZ	S	Insulator	AC
2	GCABB1067BMKA	S	Cabinet, Rea	AU

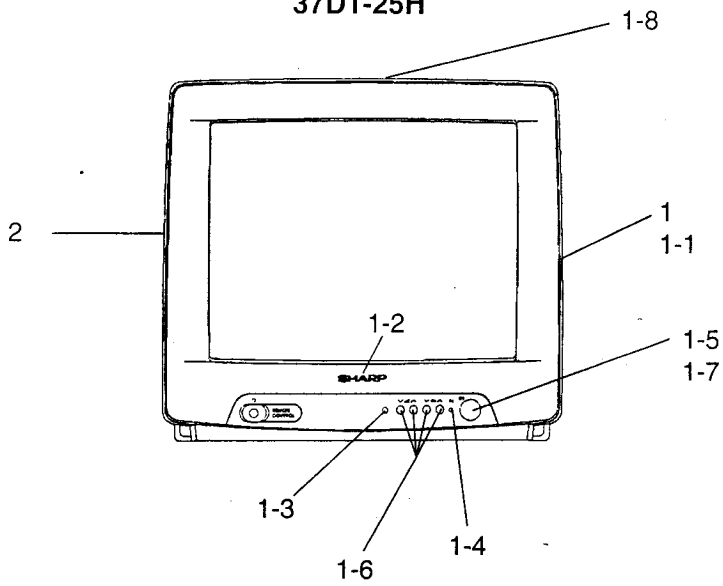
MODEL 51DT-25H

1	CCABA1217BMV0	S	Cabinet Ass'y, Front	BD
1-1			Cabinet, Front	
1-2	HBDGB3509BMSA	S	Badge	AC
1-3	HDECQ0023BMSA	S	Decoration Plate	AB
1-4	HDECQ0024BMSA	S	Decoration Plate	AB
1-5	JBTN-1040BMSA	S	Button, Power	AB
1-6	JBTN-1041BMSA	S	Button, Up/Down	AC
1-7	MSPRC0106BMFW	S	Spring, Power Button	AA
2	GCABB1069BMKA	S	Cabinet, Rear	AZ

For Service Manuals Contact
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— End of CABINET PARTS —

37DT-25H



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51DT-25H

