

SERVICE MANUAL

akura

For Service Manuals Contact
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MODEL: CX12 AND CX33

= OSAKI CT-51 T

= P-148

= CT-51R

= CX23

12596

SPECIFICATIONS

AC POWER INPUT 240V, 50Hz

POWER CONSUMPTION (CX12) 70 WATTS
(CX33) 95 WATTS

TELEVISION RF FREQUENCY RANGE:

UHF BAND 470-854MHz

INTERMEDIATE FREQUENCY RANGE:

PICTURE IF CARRIER FREQUENCY 39.50MHz
SOUND IF CARRIER FREQUENCY 33.50MHz
COLOUR SUB-CARRIER FREQUENCY 35.07MHz

IMPORTANT SERVICE SAFETY INFORMATION

Operation of receiver outside of cabinet or with back removed involves a shock hazard. Work should only be performed by those who are thoroughly familiar with precautions necessary when working on high voltage equipment.

Exercise care when servicing this chassis with power applied. Many B plus and high voltage terminals are exposed which, if carelessly contacted, can cause serious shock or result in damage to the chassis. Maintain interconnecting ground lead connections between chassis, escutcheon, picture tube tag and tuner cluster when operating chassis.

When it is necessary to make measurements or tests with AC power applied to the receiver chassis, an Isolation Transformer must be used as a safety precaution and to prevent possible damage to transistors. The Isolation Transformer should be connected between the TV line cord plug and the AC power outlet.

Certain HV failures can increase X-ray radiation. Receivers should not be operated with HV levels exceeding the specified rating for their chassis type. The maximum operating HV specified for the chassis used in these receivers is 29kV at zero beam current at nominal line voltage. Higher voltage may also increase possibility of failure in HV supply.

It is important to maintain specified values of all components in the horizontal and high voltage circuits and anywhere else in the receiver that could cause a rise in high voltage or operating supply voltages. No changes should be made to the original design of the receiver.

Components shown in the shaded areas on the schematic diagram and/or identified by in the replacement parts list should be replaced only with exact factory recommended replacement parts. The use of unauthorized substitute parts may create a shock, fire, X-radiation, or other hazard.

To determine the presence of high voltage, use an accurate high impedance HV meter connected between second anode lead and the CRT tag grounding device. When servicing the High Voltage System remove static charge from it by connecting 10K ohm resistor in series with an insulated wire (such as a test probe) between picture tube tag and 2nd anode lead (AC line cord disconnected from AC supply).

The picture tube used in this receiver employs integral implosion protection. Replace with tube of the same type number for continued safety. Do not lift picture tube by the neck. Handle the picture tube only when wearing shatter-proof goggles and after discharging the high voltage completely.

When removing springs or spring mounting parts from tuner, tuner cluster or chassis, shatter-proof goggles must be worn.

SAFETY INSPECTION

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

PROTECT YOUR CUSTOMER

1. Inspect all lead dress 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. Replace all protective devices such as non-metallic control knobs, insulating material, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
3. To be sure that no shock hazard exists, a check for the presence of leakage current should be made at each exposed metal part having a return path to the chassis (antenna, cabinet metal, screw heads, knobs and/or shatts, escutcheon, etc.) in the following manner.

Plug the AC line cord directly into main supply receptacle. (Do not use an Isolation Transformer during these checks.) All checks must be repeated with the AC line cord plug connection reversed.

If available, measure current using an accurate leakage current tester. Any reading of 0.4mA or more is excessive and indicates a potential shock hazard which must be corrected before returning the receiver to the owner.

If a reliable leakage current tester is not available, this alternate method of measurement should be used. Using two clip leads, connect a 1500 ohm, 10 watt resistor paralleled by a 0.15MF capacitor, in series with a known earth ground, such as a water pipe or conduit and the metal part to be checked. Use a VTVM or VOM with 1000 ohms per volt, or higher sensitivity to measure this AC voltage drop across the resistor. Any reading of 0.61 volt RMS or more is excessive and indicates a potential shock hazard which must be corrected before returning the receiver to the owner.

IC AND TRANSISTOR COMPLEMENT (CX12 ONLY)

IC

IC001	TVP2070	Micro-computer
IC002	VPU2203	Video processing unit
IC003	VCU2133	Video coder-decoder unit
IC004	DPU2543	Deflection processing unit
IC005	TPU2732	Teletext processing unit
IC006	MDA2062	Electrical erasable programmable memory
IC009	CD4066	Quad bilateral switch
IC010	MCU2600	Master clock unit
IC011	DRAM4164	Dynamic RAM
IC101	LA7550	IF phase locked loop
IC102	78L05	Standby 5V regulator
IC301	TDA2270	Vertical deflection circuitry
IC601	AN5265	Audio amplifier
IC801	STR41090	Switching voltage regulator
IC802	7812	12V regulator
IC803	7805	5V regulator

TRANSISTOR

Q001	2SC1815Y	Power up reset
Q002	2SC1815Y	Power up reset
Q003	2SA1015Y	Standby and infrared signal receiving indicator driver
Q004	2SC1815Y	AFT S curve translator
Q005	2N3904	Channel tuning voltage translator buffer
Q006	2SC1815Y	AFT S curve translator
Q007	2SC1815Y	AFT S curve signal buffer
Q008	2SC1815Y	Power down audio mute
Q009	2SA1015	CRT beam current to voltage converter
Q010	2SC1815Y	Power on control
Q101	2SC388A	IF signal amplifier
Q103	2SC1815	Video signal buffer
Q104	BC338	Power on relay driver
Q106	2SC1815Y	Relay driver pre-amplifier
Q210	2SC1815Y	Standby/on input buffer
Q401	2SD1555	Horizontal deflection driver
Q402	2SC2482	Horizontal deflection signal amplifier
Q501	2SA562	Video amplifier I/P buffer
Q502	2SC2068	Video amplifier O/P driver
Q503	2SC2482	Video amplifier O/P driver
Q504	BF423	Cutoff and white drive current sensing
Q506	2SA562	Video amplifier I/P buffer
Q507	2SC2068	Video amplifier O/P driver
Q508	2SC2482	Video amplifier O/P driver
Q509	BF423	Cutoff and white drive current sensing
Q511	2SA562	Video amplifier I/P buffer
Q512	2SC2068	Video amplifier O/P driver
Q513	2SC2482	Video amplifier O/P driver current sensing
Q514	BF423	Cutoff and white drive
Q516	2SA562	Spot killer
Q517	2SA562	Sub-brightness bias buffer
Q801	BC337/BC338	Power supply protection

IC AND TRANSISTOR COMPLEMENT (CX33 ONLY)

IC

IC001	TVP2070	Micro-computer
IC002	MDA2062	EEPROM
IC101	LA7550	IF phase locked loop
IC301	TDA8175	Vertical deflection circuitry
IC601	AN5265	Audio amplifier
IC701	VCU2133	Video coder-decoder unit
IC702	VPV2203	Video processing unit
IC703	DPU2543	Deflection processing unit
IC704	TPU2732	Teletext processing unit
IC705	MCU2600	Master clock unit
IC706	MW4164P	Dynamic RAM
IC801	STR41090	Switching voltage regulator
IC901	7805	5V regulator
IC902	MC7812	12V regulator

TRANSISTOR

Q001	2N3904	Channel tuning voltage translator buffer
Q002	2SC1815Y	AFT S curve signal buffer
Q003	2SC1815Y	AFT S curve translator
Q004	2SC1815Y	AFT 2 curve translator
Q101	2SC388A	IF signal amplifier
Q102	2SC1815Y	AFT on/off switch
Q103	2SC1815Y	Video signal buffer
Q201	2SA1015Y	Standby/on input switch
Q211	2SC1815Y	RF/external video switch
Q401	2SD1555	Horizontal deflection driver
Q402	2SC2482	Horizontal deflection signal amplifier
Q501	2SA562	Video amplifier I/P buffer
Q502	2SC2068	Video amplifier O/P driver
Q503	2SC2482	Video amplifier O/P driver
Q504	BF423	Cutoff and white drive current sensing
Q506	2SA562	Video amplifier I/P buffer
Q507	2SC2068	Video amplifier O/P driver
Q508	2SC2482	Video amplifier O/P driver
Q509	BF423	Cutoff and white drive current sensing
Q511	2SA562	Video amplifier I/P buffer
Q512	2SC2068	Video amplifier O/P driver
Q513	2SC2482	Video amplifier O/P driver current sensing
Q514	BF423	Cutoff and white drive
Q517	2SA562	Sub-brightness bias buffer
Q611	2SC1815Y	RF signal video amplifier
Q612	2SC1815Y	External input video amplifier
Q711	2SA1015Y	CRT beam current to voltage converter
Q801	BC338	Power supply protection
Q901	2SC1815Y	Standby 5V regulation
Q902	2SC1815Y	Relay driver pre-amplifier
Q903	2SC1815Y	Power on relay driver
Q904	2SC1815Y	Standby power detector
Q905	2SC1815Y	Main chassis 5V power detector
Q906	2SC1815Y	Power up reset
Q907	2SC1815Y	Audio mute switch upon power on

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SERVICE ALIGNMENT

TEST EQUIPMENT

- IF sweep/marker generator – capable of generating markers at 39.5MHz, 37.285MHz, 35.07MHz and 33.5MHz.
- Alignment scope.
- Power supply – a well filtered DC power supply capable of supplying 16V and at least 250 ma.
- 4.5-7. OHMz sweep generator – capable of generating marker at 6.0MHz.
- PAL pattern generator – capable of generating colour bar, cross hatch with circle, centre cross and dots pattern and 8 step grey scale.
- Oscilloscope with x10 or x100 probe
- Isolation transformer – capable of supplying at least 1KVA

Equipment terminations

The alignment pads provided with the equipment are designed for correct matching of the equipment to the circuits involved. Failure to use proper matching will result in responses which cannot be depended upon as representing the true operation of the receiver.

Signal Overload

Use of excessive signal from the Sweep/Marker Generator can cause overloading of the receiver circuits. To determine that this condition is not present and that the response curve is true, turn the Sweep/Marker Generator output to zero and then gradually increase the output until a response is obtained. Further increase of the sweep output should not change the configuration of the response except in amplitude. If the response changes in configuration, such as flattening at the top or dropping below the base line at the bottom, decrease the sweep output to restore the proper configuration.

The Oscilloscope gain should be run as high as possible to maintain a usable pattern with the peak-to-peak values specified, thus requiring a lower output from the Sweep/Marker Generator and less chance of overload. Insertion of markers from the Sweep/Marker Generator should not cause distortion of the response. The markers should be kept as small as possible and still remain visible.

Receiver Chassis Preparation

All covers and shields should be in their proper place before any alignment procedures or performance checks are attempted.

CAUTION: Remove the AC power plug before making any test equipment connections and the TV set must be powered through an isolation transformer.

THE ALIGNMENTS CAN MAINLY BE DIVIDED INTO TWO PARTS, NAMELY, ANALOG CIRCUITRY ALIGNMENT AND DIGITAL PROCESSING ALIGNMENT.

(A) ANALOG CIRCUITRY ALIGNMENT

VCO ADJUSTMENT

1. Supply 10V DC to pins 13 of IC 101 as shown in figure 1.
2. Connect a 4.7U electrolytic capacitor across pin 20 and pin 7 of IC101.
3. Connect IF sweep/marker generator output to the IF pin of tuner TU101
4. Connect IF sweep/marker generator horizontal output to alignment scope horizontal input.
5. Connect alignment scope probe to emitter of Q103 through a detector shown in figure 2.
6. Adjust T104 until the picture maker (39.5MHz) disappears and response as shown in figure 3 is obtained.
7. Disconnect the 4.7U electrolytic capacitor that across IC101 pins 20 and 7.

AFT ALIGNMENT

1. Connect IF sweep/marker generator to the IF pin of tuner TU101 as shown in figure 4.
2. Connect IF sweep/marker generator horizontal output to alignment scope horizontal input.
3. Connect alignment scope probe to IC101 pin 16.
4. Adjust T102 for response shown in figure 5. memory.

SOUND DETECTOR ALIGNMENT

1. Connect 4.5-7.0MHz sweep/marker generator to junction of R124 and C126 as shown in figure 6.
2. Connect sweep/marker generator horizontal output to alignment scope horizontal input.
3. Connect alignment scope probe to pin 1 of IC101
4. Adjust T105 for response shown in figure 7.

RF AGC ALIGNMENT

1. Connect TV channel signal generator to antenna jack.
2. Adjust TV channel signal generator output level to 67dBu (2.24mV) channel 21.
3. Turn RF AGC control VR101 to fully counter clockwise.
4. Turn VR101 clockwise slowly until snow noise just disappears on screen.

FOCUS ALIGNMENT

1. Connect dots pattern TV channel signal generator to antenna jack.
2. Adjust focus control on the horizontal output transformer T401 for maximum overall definition and fine detail with brightness and contrast controls set at normal viewing levels

VERTICAL CENTERING ALIGNMENT

1. Connect center-cross pattern TV channel signal generator to antenna jack.
2. At nominal line voltage, adjust vertical centering control VR301 until there is equal amount of overscanning at top and bottom of screen.

(B) DIGITAL PROCESSING ALIGNMENT

Most of the alignments can be made with a remote handset except the cathode current which is potentiometer alignment.

Before alignment can be performed, access to service mode is needed by pressing "1~" key on remote handset and either S201 or S002 button on main chassis simultaneously. "SERVICE MODE" will be displayed on screen to indicate that the TV is now in service mode. S201 is on the front control PCB and S002 is on the main PCB.

THE REMOTE HANDSET CONTROL KEYS WHICH ARE USED IN ALIGNMENT ARE:

1. "PROG +" AND "PROG -" — The functions to be aligned are accessed one at a time. These two keys are to forward and backward step in sequence. The accessed function is displayed on screen together with orange bars indicating the relative alignment value.
2. "VOL +" and "VOL -" — To increase and decrease alignment value.
3. "DISPLAY" — To store the current alignment value in memory. Storage is necessary before proceeding to the next alignment. Otherwise, the adjusted value will be lost and previous value will remain in memory.
4. "TV" — To exit service mode and reset to TV mode.

The alignments which are required for this TV sets are listed below in software-defined sequence. When the functions are accessed by the 'PROG +/-' keys, there are some functions displayed on screen which are not in the list below. Alignment of these functions are not required and changing the alignment values has no effect at all.

1. Horizontal position.
2. Blanking phase.
3. Vertical amplitude.
4. Vertical symmetry.
5. Vertical linearity.
6. Colour burst VCO.
7. Cathode current.
8. Red cut off.
9. Green cut off.
10. Blue cut off.
11. Red drive.
12. Green drive.
13. Blue drive.

BLANKING PHASE AND HORIZONTAL POSITION ALIGNMENT.

1. Connect centre cross TV channel signal generator to antenna jack.
2. Monitor the video signal at any one of the cathodes of picture tube and pins 22 of IC004 with a dual trace oscilloscope.
3. Access the blanking function with PROG +/- key on remote handset.
4. By means of VOL +/- key, adjust symmetrical position of the blanking pulses of the two signals.
5. Access the horizontal position function by PROG- key.
6. Adjust horizontal symmetrical position of the picture on screen by VOL +/- key.
7. Press DISPLAY once.

VERTICAL AMPLITUDE ALIGNMENT

1. Connect center cross TV channel signal generator to antenna jack.
2. Access the vertical amplitude function with PROG +/- key on remote handset. This function has two control bytes, HB and LB. The HB byte is for coarse adjustment and the LB byte is for fine adjustment.
3. Adjust the vertical size with VOL +/- key so that the top and bottom borders just disappears.
4. Press DISPLAY once.

VERTICAL SYMMETRY ALIGNMENT

1. Connect cross hatch with circle TV channel signal generator to antenna jack.
2. Access the vertical symmetry HB function with PROG +/- key on remote handset.
3. Adjust the vertical symmetry with VOL +/- key so that the upper portion and the lower portion of the picture is symmetrical with respect to the horizontal center line.
4. Press DISPLAY once

VERTICAL LINEARITY ALIGNMENT

1. Connect cross hatch with circle TV channel signal generator to antenna jack.
2. Access the vertical linearity function with PROG +/- key on remote handset. This function has two control bytes, HB and LB. The HB byte is for coarse adjustment and the LB byte is for fine adjustment.
3. Adjust the linearity of the picture by VOL +/- key so that the height of each square is more or less the same.
4. Press DISPLAY once.

COLOUR BURST VCO ALIGNMENT

1. Connect colour bar TV channel signal generator to antenna jack.
2. Access the VCO adjustment function with PROG +/- key on remote handset.
3. Adjust the VCO frequency by VOL +/- key until the flickering on screen is minimum.
4. Press DISPLAY once.

GREY SCALE AND PEAK WHITE DRIVE ALIGNMENT

1. Connect 8 step grey scale TV channel signal generator to antenna jack.
2. Set the brightness, contrast and colour controls to minimum.
3. Access the cathode current function with PROG +/- key on remote handset.
4. Monitor any one of the picture tube cathode with an oscilloscope.
5. Adjust VR501 until the cathode voltage is as shown in figure 8.
6. Adjust the SCREEN potentiometer on the horizontal output transformer T401 until 'OKAY' is displayed on screen either flashing or stable on.
7. Access the vertical amplitude HB function with PROG +/- key on remote handset.
8. Reduce the vertical amplitude to minimum while the on screen display characters are still recognizable (about 1-2 inch in height) by VOL-key.
9. Access the cutoff alignments. There are three cutoff alignments. They are red, green and blue. In the cathode current alignment above one of these 3 cutoffs is fixed by the digital circuitry.
10. Increase contrast until the three most bright bars appear.
11. Achieve grey scale alignment by adjusting the two non-fixed cutoff with VOL +/- keys.
Proceed to peak white adjustment only after satisfactory grey scale has been achieved.
12. Access peak white drive alignments. There are 3 white drives. They are red, green and blue. All these three are adjustable.
13. Increase brightness until the five most bright bars appear.
14. Achieve the light level white balance by adjusting the three drives. It is always advisable to decrease the drive level of the dominate colour instead of increasing the other two colours.
After about 20-40 times, the drive levels may have reached their maximum value (255₁₀ or 1111111₂). In this case, change the values at

addresses 80H, 81H 82H to (127₁₀ or 01111111) and repeat the light level white balance.

(For detail procedure for changing the levels settings, please refer paragraph below).

15. After white balance is achieved, store the two cutoff and three drive levels into memory by going through each of these five functions again and press DISPLAY once for each function.

NOTE: For white balance alignment without changing picture tube, it is always easier to start the white balance alignment with the original settings. If a new tube is installed, it will be easier to start with 127₁₀ at white drive addressed 80H, 81H, 82H and 63 at cutoff addresses 83H, 84H, 85H.

CHANGING THE CUTOFF AND DRIVE LEVELS

1. DEPRESS prog+ until the following message is displayed on screen.

ADDRESS		SETTING VALUES	
NVMI	FEH	MSB	XXXXXXXX LSB

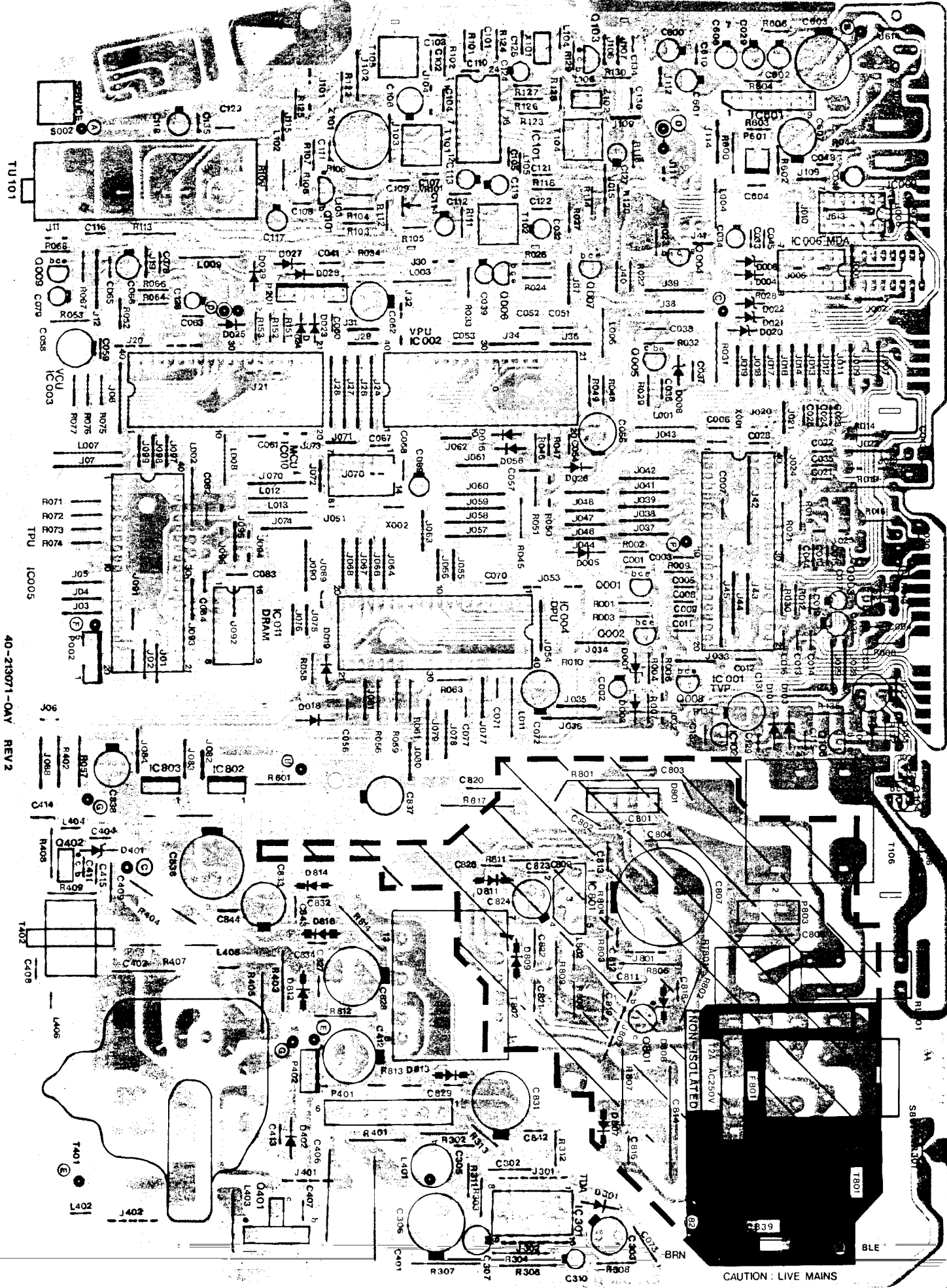
2. Access the desired address, for example 80H, by pressing VOL +/- . The value in the address is displayed together with the address.
3. The value is changed bit by bit. The bit is toggled each time the bit is accessed by pressing a numeric key on remote handset which corresponds to the bit location. For example, 0 for least significant bit and 7 for most significant bit.
4. After all bits are set, press DISPLAY to store the value in memory.

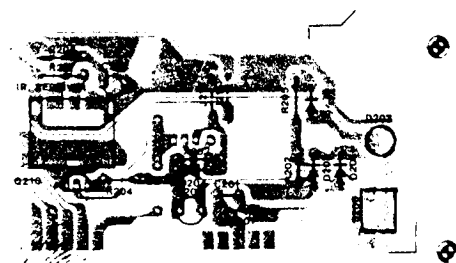
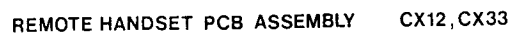
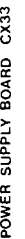
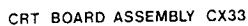
TELETEXT SERVICE MODE (Text centering).

To enter this mode press the "TEXT" button on the remote control whilst pressing S201 or S002. The text may be centred on screen by pressing the "VOL+" and "VOL-" buttons on the remote control. Press the "DISPLAY" button to memorise. Press "TV" to exit service mode.

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SCHEMATIC NO.	PART #	DESCRIPTION
08-212250-000 ASS'Y - IR PRE-AMP BD		
IC003	13-0TBA28-00P	IC TBA2800
D070	15-000S18-6PE	DIODE IR S186P
C073	26-ABK152-KB1	CAP. CER 1500 PF 50V +/-10% B
C072	26-ABK103-ZF1	CAP. CER 0.01 UF 50V +80-20% F
C071	25-BFF339-M1B	CAP. ELEC 3.3 UF 50V +/-20%
	40-212170-0AA	P.C.B. IR PER-AMP BD
	67-200520-0T0	SHIELD CAN IR PRE. AMP.
08-213050-001 ASS'Y - IR TRANSMITTER BD		
R8	18-CB0109-JN1	RES. C.F. 1 OHM 1/6W +/-5%
R7	18-CB0109-JN1	RES. C.F. 1 OHM 1/6W +/-5%
R2	18-CB0333-JB1	RES. C.F. 33K OHM 1/6W +/-5%
R1	18-CB0223-JB1	RES. C.F. 22K OHM 1/6W +/-5%
Q001	11-0BC368-0A1	TRANSISTOR BC368
D2	15-0TSU54-02D	DIODE INFRARED TSU5402
D1	15-0TSU54-02D	DIODE INFRARED TSU5402
C2	25-BBF102-M1C	CAP. ELEC 1000 UF 10V +/-20%
C1	26-ABA101-JZ1	CAP. CER 100 PF 50V +/-5% SL
	13-0IRT12-60P	IC IRT1260
	40-212850-0FX	P.C.B. IR TRANSMITTER
	49-212840-000	RUBBER CONDUCTIVE 46 KEYS
	55-212810-0HA	CASE UPPER REMOTE HANDSET
	55-212820-0HA	CASE LOWER REMOTE HANDSET
	55-212830-0HA	DOOR BATT. REMOTE HANDSET
	58-21286X-0UH	INLAY REMOTE CONT.
	63-P26080-AB3	S/T SCREW P 2.6 X 8 BLACK
	67-202220-0P2	BATT. TERMINAL (+)
	67-202230-0P2	BATT. TERMINAL (-)
	67-202240-0P2	BATT. TERMINAL (+/-)
	74-008020-60E	1POLYBAG HANDSET
PART LIST FOR CX12 ONLY		
08-212931-001 ASS'Y - MAIN BD		
Z102	45-137170-600	CER. TRAP TPS 6.0 MHZ
Z101	45-213940-300	SAW FILTER F1045A
X101	45-108780-400	CER. FILTER 6 MHZ EFCS6R0MS4
X002	45-213030-100	CRYSTALL 17734.475 KHZ CL=20P
X001	45-134220-10A	CRYSTAL 4.0MHZ (TEW)
VR301	20-141631-502	TRIMMER B5K VERT TYPE
VR101	20-213041-473	TRIMMER B47K HORIZ TYPE
TU101	07-00UE30-B03	TUNER - UE30-B03
T802	36-218340-00A	TRANSFORMER CONVERTER
T801	36-132781-B0B	FILTER AC LINE
T402	36-107481-000	TRANSFORMER HORIZ EI-19
T401	37-CM2012-E12	FLYBACK FCM-2012E12
T106	36-213760-00E	TRANSFORMER POWER STAND BY
T105	38-107500-000	COIL S.I.F. DETECTOR
T104	38-107440-000	COIL P.I.F. DETECTOR
T102	38-107440-000	COIL P.I.F. DETECTOR
T101	38-213950-000	COIL P.S.F. MATCHING TRF3833
S801	48-134280-000	SW. PUSH POWER
S002	48-133312-000	SW. TACT EVA-QS2-05K
RT801	22-000960-092	POSISTOR 2322-662-96009
RL801	43-OMIT110-5LM	RELAY OMIT-SS-105LM
R818	18-BE0105-JN1	RES. C.C. 1M OHM 1/2W +/-5%
R817	18-BE0825-JN1	RES. C.C. 8.2M OHM 1/2W +/-5%
R816	18-FG0100-JH1	RES. M.O. 10 OHM 2W +/-5%
R814	18-EF0109-JG1	RES. FUS 1 OHM 1W +/-5%
R813	18-EF0100-JG1	RES. FUS 10 OHM 1W +/-5%
R812	18-EF0109-JG1	RES. FUS 1 OHM 1W +/-5%
R811	18-CD0561-JD1	RES. C.F. 560 OHM 1/4W +/-5%
R809	18-FG0120-JG1	RES. MO.O. 12 OHM 2W +/-5%
R808	18-CD0201-JD1	RES. C.F. 200 OHM 1/4W +/-5%
R807	18-FH0104-JHA	RES. M.O. 100K OHM 32 +/-5%
R806	18-FH0104-JHA	RES. M.F. 0.39 OHM 1W +/-5%

SCHEMATIC NO.	PART #	DESCRIPTION
R804	18-CD0102-JD1	RES. C.F. 1K OHM 1/4W +/-5%
R803	18-CD0105-JD1	RES. C.F. 1M OHM 1/4W +/-5%
R802	18-BE0474-JN1	RES. C.C. 470K OHM 1/2W +/-5%
R801	18-GL0629-KB1	RES. CEMENT 6.2 OHM 10W +/-10%
R606	18-CB0103-JN1	RES. C.F. 10K OHM 1/6W +/-5%
R604	18-CB0561-JN1	RES. C.F. 560 OHM 1/6W +/-5%
R603	18-CB0562-JN1	RES. C.F. 5.6K OHM 1/6W +/-5%
R602	18-CB0479-JN1	RES. C.F. 4.7 OHM 1/6W +/-5%
R601	18-FF0180-JB1	RES. M.O. 18 OHM 1W +/-5%
R600	18-CB0101-JN1	RES. C.F. 100 OHM 1/6W +/-5%
R408	18-CB0330-JN1	RES. C.F. 33 OHM 1/6W +/-5%
R407	18-FH0242-JHA	RES. M.O. 2.4K OHM 3W +/-5%
R405	18-FF0181-JG1	RES. M.O. 180 OHM 1W +/-5%
R404	18-FG0332-JGA	RES. M.O. 3.3K OHM 2W +/-5%
R403	18-EF0109-JG1	RES. FUS 1 OHM 1W +/-5%
R402	18-FE0221-JN1	RES. M.O. 220 OHM 1/2W +/-5%
R401	18-FF0681-JN1	RES. M.O. 680 OHM 1W +/-5%
R313	18-CD0109-JD1	RES. C.F. 1 OHM 1/4W +/-5%
R312	18-CB0221-JN1	RES. C.F. 220 OHM 1/6W +/-5%
R311	18-CD0471-JD1	RES. C.F. 470 OHM 1/4W +/-5%
R308	18-CB0103-JN1	RES. C.F. 10K OHM 1/6W +/-5%
R307	18-FF0189-JNQ	RES. M.O. 1.8 OHM 1W +/-5%
R306	18-CD0103-JD1	RES. C.F. 10K OHM 1/4W +/-5%
R304	18-CB0433-JN1	RES. C.F. 43K OHM 1/6W +/-5%
R303	18-CB0562-JN1	RES. C.F. 5.6K OHM 1/6W +/-5%
R302	18-CB0331-JN1	RES. C.F. 330 OHM 1/6W +/-5%
R244	18-CB0474-JN1	RES. C.F. 470K OHM 1/2W +/-5%
R153	18-CB0242-JN1	RES. C.F. 2.4K OHM 1/6W +/-5%
R152	18-CB0242-JN1	RES. C.F. 2.4K OHM 1/6W +/-5%
R151	18-CB0242-JN1	RES. C.F. 2.4K OHM 1/6W +/-5%
R135	18-CE0330-JB1	RES. C.F. 33 OHM 1/2W +/-5%
R134	18-CB0223-JN1	RES. C.F. 22K OHM 1/6W +/-5%
R133	18-CB0103-JB1	RES. C.F. 10K OHM 1/6W +/-5%
R132	18-CB0222-JB1	RES. C.F. 2.2K OHM 1/6W +/-5%
R131	18-CB0512-JB1	RES. C.F. 5.1K OHM 1/6W +/-5%
R130	18-CB0122-JN1	RES. C.F. 1.2K OHM 1/6W +/-5%
R129	18-CB0471-JN1	RES. C.F. 470 OHM 1/6W +/-5%
R128	18-CB0331-JN1	RES. C.F. 330 OHM 1/6W +/-5%
R127	18-CB0561-JN1	RES. C.F. 560 OHM 1/6W +/-5%
R125	18-CB0124-JN1	RES. C.F. 120K OHM 1/6W +/-5%
R124	18-CB0102-JN1	RES. C.F. 1K OHM 1/6W +/-5%
R123	18-CB0151-JN1	RES. C.F. 150 OHM 1/6W +/-5%
R122	18-CB0104-JN1	RES. C.F. 100K OHM 1/6 +/-5%
R120	18-CB0104-JN1	RES. C.F. 100K OHM 1/6W +/-5%
R118	18-CB0473-JN1	RES. C.F. 47K OHM 1/6W +/-5%
R116	18-CB0124-JN1	RES. C.F. 120K OHM 1/6W +/-5%
R114	18-CB0473-JN1	RES. C.F. 47K OHM 1/6W +/-5%
R113	18-CB0473-JN1	RES. C.F. 47K OHM 1/6W +/-5%
R112	18-CB0104-JN1	RES. C.F. 100K OHM 1/6W +/-5%
R111	18-CB0333-JN1	RES. C.F. 33K OHM 1/6W +/-5%
R109	18-CB0471-JN1	RES. C.F. 470 OHM 1/6W +/-5%
R108	18-CB0102-JN1	RES. C.F. 1K OHM 1/6W +/-5%
R107	18-CB0270-JN1	RES. C.F. 27 OHM 1/6W +/-5%
R106	18-CB0221-JN1	RES. C.F. 220 OHM 1/6W +/-5%
R104	18-CB0562-JN1	RES. C.F. 5.6K OHM 1/6W +/-5%
R103	18-CB0221-JN1	RES. C.F. 220 OHM 1/6W +/-5%
R102	18-CB0123-JN1	RES. C.F. 12K OHM 1/6W +/-5%
R101	18-CB0562-JN1	RES. C.F. 5.6K OHM 1/6W +/-5%
R071	18-CB0102-JN1	RES. C.F. 1K OHM 1/6W +/-5%
R068	18-CB0512-JN1	RES. C.F. 5.1K OHM 1/6W +/-5%
R067	18-CB0103-JN1	RES. C.F. 10K OHM 1/6W +/-5%
R066	18-CB0274-JN1	RES. C.F. 270K OHM-1/6W +/-5%
R064	18-CB0182-JN1	RES. C.F. 1.8K OHM 1/6W +/-5%
R063	18-CB0681-JN1	RES. C.F. 680 OHM 1/6W +/-5%
R061	18-CB0682-JN1	RES. C.F. 6.8K OHM 1/6W +/-5%
R059	18-CB0152-JN1	RES. C.F. 1.5K OHM 1/6W +/-5%
R058	18-CB0123-JN1	RES. C.F. 12K OHM 1/6W +/-5%
R057	18-CD0683-JD1	RES. C.F. 68K OHM 1/4W +/-5%
R056	18-CB0123-JN1	RES. C.F. 12K OHM 1/6W +/-5%
R053	18-CB0331-JN1	RES. C.F. 330 OHM 1/6W +/-5%
R052	18-CB0561-JN1	RES. C.F. 560 OHM 1/6W +/-5%
R051	18-CB0104-JN1	RES. C.F. 100K OHM 1/6W +/-5%

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

SCHEMATIC NO.	PART #	DESCRIPTION
R050	18-CB0472-JB1	RES. C.F. 4.7K OHM 1/6W +/-5%
R049	18-CB0222-JN1	RES. C.F. 2.2K OHM 1/6W +/-5%
R048	18-CB0222-JN1	RES. C.F. 2.2K OHM 1/6W +/-5%
R047	18-CB0102-JN1	RES. C.F. 1K OHM 1/6W +/-5%
R046	18-CB0392-JN1	RES. C.F. 3.9K OHM 1/6W +/-5%
R045	18-CB0152-JN1	RES. C.F. 1.5K OHM 1/6W +/-5%
R044	18-CB0474-JN1	RES. C.F. 470K OHM 1/6W +/-5%
R034	18-CB0333-JN1	RES. C.F. 33K OHM 1/6W +/-5%
R033	18-CB0153-JN1	RES. C.F. 15K OHM 1/6W +/-5%
R032	18-CB0123-JN1	RES. C.F. 12K OHM 1/6W +/-5%
R031	18-CD0272-JD1	RES. C.F. 2.7K OHM 1/4W +/-5%
R030	18-CB0103-JN1	RES. C.F. 10K OHM 1/6W +/-5%
R029	18-CB0473-JN1	RES. C.F. 47K OHM 1/6W +/-5%
R028	18-CD0472-JD1	RES. C.F. 4.7K OHM 1/4W +/-5%
R027	18-CB0104-JN1	RES. C.F. 100K OHM 1/6W +/-5%
R026	18-CB0103-JN1	RES. C.F. 10K OHM 1/6W +/-5%
R024	18-CB0683-JN1	RES. C.F. 68K OHM 1/6W +/-5%
R023	18-CB0103-JN1	RES. C.F. 10K OHM 1/6W +/-5%
R022	18-CB0823-JN1	RES. C.F. 82K OHM 1/6W +/-5%
R021	18-CB0103-JN1	RES. C.F. 10K OHM 1/6W +/-5%
R019	18-CB0103-JN1	RES. C.F. 10K OHM 1/6W +/-5%
R018	18-CB0103-JN1	RES. C.F. 10K OHM 1/6W +/-5%
R016	18-CB0472-JB1	RES. C.F. 4.7K OHM 1/6W +/-5%
R014	18-CB0103-JB1	RES. C.F. 10K OHM 1/6W +/-5%
R013	18-CB0471-JB1	RES. C.F. 470 OHM 1/6W +/-5%
R012	18-CB0103-JN1	RES. C.F. 10K OHM 1/6W +/-5%
R011	18-CB0103-JB1	RES. C.F. 10K OHM 1/6W +/-5%
R010	18-CB0472-JN1	RES. C.F. 4.7K OHM 1/6W +/-5%
R009	18-CB0222-JN1	RES. C.F. 2.2K OHM 1/6W +/-5%
R008	18-CB0103-JB1	RES. C.F. 10K OHM 1/6W +/-5%
R007	18-CB0103-JN1	RES. C.F. 10K OHM 1/6W +/-5%
R006	18-CB0102-JN1	RES. C.F. 1K OHM 1/6W +/-5%
R004	18-CB0223-JN1	RES. C.F. 22K OHM 1/6W +/-5%
R003	18-CB0222-JN1	RES. C.F. 2.2K OHM 1/6W +/-5%
R002	18-CB0101-JN1	RES. C.F. 100 OHM 1/6W +/-5%
R001	18-CB0223-JN1	RES. C.F. 22K OHM 1/6W +/-5%
Q801	11-0BC338-0A1	TRANSISTOR BC338
Q402	11-SC2482-0A1	TRANSISTOR 2SC2482
Q401	11-SD1555-0A1	TRANSISTOR 2SD1555
Q106	11-SC1815-YB1	TRANSISTOR 2SC1815Y
Q104	11-0BC338-0A1	TRANSISTOR BC338
Q103	11-SC1815-YA1	TRANSISTOR 2SC1815Y
Q101	11-SC388A-MA1	TRANSISTOR 2SC388ATM
Q009	11-SA1015-YB1	TRANSISTOR 2SA1015-Y
Q008	11-SC1815-YB1	TRANSISTOR 2SC1815Y
Q007	11-SC1815-YB1	TRANSISTOR 2SC1815Y
Q006	11-SC1815-YB1	TRANSISTOR 2SC1815Y
Q005	11-2N3904-0B1	TRANSISTOR 2N3904
Q004	11-SC1815-YB1	TRANSISTOR 2SC1815Y
Q003	11-SA1015-YB1	TRANSISTOR 2SA1015-Y
Q002	11-SC1815-YB1	TRANSISTOR 2SC1815Y
Q001	11-SC1815-YB1	TRANSISTOR 2SC1815Y
L823	35-142210-000	FERR. BEAD 0.2 UH
L822	35-142210-000	FERR. BEAD 0.2 UH
L821	35-142210-000	FERR. BEAD 0.2 UH
L819	35-142210-000	FERR. BEAD 0.2 UH
L818	35-142210-000	FERR. BEAD 0.2 UH
L817	35-142210-000	FERR. BEAD 0.2 UH
L816	35-142210-000	FERR. BEAD 0.2 UH
L814	35-142210-000	FERR. BEAD 0.2 UH
L813	35-142210-000	FERR. BEAD 0.2 UH
L812	35-142210-000	FERR. BEAD 0.2 UH
L811	35-142210-000	FERR. BEAD 0.2 UH
L809	35-142210-000	FERR. BEAD 0.2 UH
L808	35-142210-000	FERR. BEAD 0.2 UH
L807	35-142210-000	FERR. BEAD 0.2 UH
L806	35-142210-000	FERR. BEAD 0.2 UH
L804	35-142210-000	FERR. BEAD 0.2 UH
L802	35-142210-000	FERR. BEAD 0.2 UH
L406	34-R569K2-1B1	COIL CHOKE 5.6 UH +/-10%
L405	34-R101K2-1B1	COIL CHOKE 100 UH +/-10%
L404	34-R10972-0E1	COIL PL - 1 UH +/-5%

SCHEMATIC NO.	PART #	DESCRIPTION
L403	34-A608K6-1BA	COIL CHOKE 0.6 UH +/-10%
L402	34-R109J2-0E1	COIL PL - 1 UH +/-5%
L401	36-130580-000	COIL LINEARITY 39 UH
L106	34-R120J2-0E1	COIL PL - 12 UH +/-5%
L105	34-R569J2-PE1	COIL PL - 5.6 UH +/-5%
L104	34-R150J2-0E1	COIL PL - 15 UH +/-5%
L103	34-A109K0-1I1	COIL CHOKE 1 UH +/-10%
L102	34-A129K4-1A1	COIL MATCHING 1.2 UH 10%
L013	34-A100K0-0I1	COIL CHOKE 10UH 10%
L012	34-A100K0-0I1	COIL CHOKE 10UH 10%
L011	34-A100K0-0I1	COIL CHOKE 10UH 10%
L009	34-A100K0-0I1	COIL CHOKE 10UH 10%
L008	34-A100K0-0I1	COIL CHOKE 10UH 10%
L007	34-A100K0-0I1	COIL CHOKE 10UH 10%
L006	34-A100K0-0I1	COIL CHOKE 10UH 10%
L004	34-A100K0-0I1	COIL CHOKE 10UH 10%
L003	34-A100K0-0I1	COIL CHOKE 10UH 10%
L002	34-A100K0-0I1	COIL CHOKE 10UH 10%
L001	34-A100K0-0I1	COIL CHOKE 10UH 10%
IC803	13-007805-CTP	IC 7805 CT (3A)
IC802	13-00MC78-12S	IC MC7812
IC801	13-STR410-90S	IC STR41090
IC601	13-00AN52-65P	IC AN5265
IC301	13-0TDA22-70P	IC TDA2270
IC102	13-0AN78L-05A	IC 78L05 VOLTAGE REGULATOR
IC101	13-00LA75-50P	IC LA7550
IC011	13-416415-NLP	IC 4164 DYNAMIC RAM 150NS
IC010	13-0MCU26-00P	IC MCU2600
IC009	13-000040-66P	IC 4066 ANALOG SW.
IC006	13-0MDA20-62P	IC MDA2062 (EEPROM)
IC005	13-0TPU27-32P	IC 2732 TELETEXT PROCSSOR
IC004	13-0DPU25-43P	IC DPU2543
IC003	13-0VCU21-33P	IC VCU2133
IC002	13-0VPU22-03P	IC VPU2203
IC001	13-0TVP20-70P	IC TVP2070 CENTRAL CONT.
F801	50-02000D-10S	FUSE 2.0AT 250VAC 5 X 20MM
D816	10-00RG2Y-E01	DIODE RG2Y
D814	10-0BA157-EB1	DIODE BA157 (FAST RECOVERY)
D813	10-0BA157-EB1	DIODE BA157 (FAST RECOVERY)
D812	10-000RG2-EB1	DIODE RG2 (FAST RECOVERY)
D811	10-00EU1Z-EB1	DIODE EU1Z (FAST RECOVERY)
D809	10-00EU1Z-EB1	DIODE EU1Z (FAST RECOVERY)
D808	10-00EU1Z-EB1	DIODE EU1Z (FAST RECOVERY)
D807	10-00ES1F-EB1	DIODE ES1F (FAST RECOVERY)
D806	10-1N4001-EB1	DIODE 1N4001 (RECTIFIER)
D801	10-0RB156-E91	DIODE RB156 (BRIDGE RECTIFIER)
D402	10-S5295G-EB1	DIODE S5295G (FAST RECOVERY)
D401	10-79C51V-DB1	DIODE ZENER 51V 1/2W 5%
D301	10-1N4001-EB1	DIODE 1N4001 (RECTIFIER)
D103	10-1N4001-EB1	DIODE 1N4001 (RECTIFIER)
D102	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D101	10-1N4001-EB1	DIODE 1N4001 (RECTIFIER)
D056	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D029	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D028	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D027	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D026	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D025	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D024	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D023	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D022	10-79C6V8-DB1	DIODE ZENER 6.8V 1/2W 5%
D021	10-79C6V8-DB1	DIODE ZENER 6.8V 1/2W 5%
D020	10-79C6V8-DB1	DIODE ZENER 6.8V 1/2W 5%
D019	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D018	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D016	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D008	10-ZTK33C-DB1	DIODE ZENER ZTK33C
D006	10-79C20V-DB1	DIODE ZENER 20V 1/2W 5%
D005	10-01N60P-AB1	DIODE 1N60P
D004	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D002	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D001	10-79C5V6-DB1	DIODE ZENER 5.6V 1/2W 5%

SCHEMATIC NO.	PART #	DESCRIPTION
C844	26-ABC203-ZF1	CAP. CER 20N 50V +80-20% F
C843	26-ABC203-ZF1	CAP. CER 20N 50V +80-20% F
C842	26-ABC203-ZF1	CAP. CER 20N 50V +80-20% F
C839	27-MQT224-K01	CAP. MET PE 0.22UF 250VAC 10%
C838	25-BCA471-M11	CAP. ELEC 470 UF 16V +/-20%
C837	25-BDA471-M11	CAP. ELEC 470 UF 25V +/-20%
C836	25-BCG332-M11	CAP. ELEC 3300 UF 16V +/-20%
C834	26-AIC221-KB1	CAP. CER 220 PF 500V +/-10% B
C833	25-BEA471-M11	CAP. ELEC 470 UF 35V +/-20%
C832	26-AIC221-KB1	CAP. CER 220 PF 500V +/-10% B
C831	25-BEG102-M11	CAP. ELEC 1000 UF 35V +/-20%
C829	26-AIC221-KB1	CAP. CER 220 PF 500V +/-10% B
C828	25-BJG470-M11	CAP. ELEC 47 UF 160V +/-20%
C827	26-AIC221-KB1	CAP. CER 220 PF 500V +/-10% B
C826	26-AIC221-KB1	CAP. CER 220 PF 500V +/-10% B
C824	25-BJA100-M11	CAP. ELEC 10 UF 160V +/-20%
C823	26-AIC221-KB1	CAP. CER 220 PF 500V +/-10% B
C822	27-PBA224-J01	CAP. P.E. 0.22 UF 50V +/-5%
C821	26-AIC221-KB1	CAP. CER 220 PF 500V +/-10% B
C820	26-AHK472-MF1	CAP. CER 4700PF 400V +/-20% AC
C819	27-PBC473-J01	CAP. P.E. 0.047 UF 50V +/-5%
C818	26-AIC221-KB1	CAP. CER 220 PF 500V +/-10% B
C816	26-AMK221-KB1	CAP. CER 220 PF 2KV +/-10% B
C814	27-ALV333-J01	CAP. METAL PP 0.033 UF 1.6KV
C813	26-AIM472-KB1	CAP. CER 4700 PF 500V +/-10% B
C811	26-AMK221-KB1	CAP. CER 220 PF 2KV +/-10% B
C809	26-AIC221-KB1	CAP. CER 220 PF 500V +/-10% B
C807	25-BMJ221-M11	CAP. ELEC 220 UF 400V +/-20%
C806	27-MHL104-K01	CAP. METAL P.E. 0.1UF 400V 10%
C804	26-AQK472-ZF1	CAP.CER 4700PF 250VAC +80-20%F
C803	26-AQK472-ZF1	CAP.CER 4700PF 250VAC +80-20%F
C802	26-AQK472-ZF1	CAP.CER 4700PF 250VAC +80-20%F
C801	26-AQK472-ZF1	CAP.CER 4700PF 250VAC +80-20%F
C610	26-ABC102-KB1	CAP. CER IN PF 50V C310 +/-10% B
C607	25-BEA221-M11	CAP. ELEC 220 UF 35V +/-20%
C606	25-BFB100-M11	CAP. ELEC 10 UF 50V +/-20%
C604	27-MBA104-J01	CAP. METAL P.E. 0.1 UF 50V 5%
C603	25-BDG102-M11	CAP. ELEC 1000 UF 25V +/-20%
C602	25-BFB479-M11	CAP. ELEC 4.7 UF 50V +/-20%
C601	25-BFA229-M11	CAP. ELEC 2.2 UF 50V +/-20%
C600	25-BCA101-M11	CAP. ELEC 100 UF 16V +/-20%
C413	26-AIC221-KB1	CAP. CER 220 PF 500V +/-10% B
C412	25-BLA100-M11	CAP. ELEC 10 UF 250V +/-20%
C411	26-AIC681-KB1	CAP. CER 680 PF 500V +/-10% B
C409	26-AIM472-KB1	CAP. CER 4700 PF 500V +/-10% B
C408	26-ABC102-KB1	CAP. CER IN PF 50V +/-10% B
C407	26-ABC102-KB1	CAP. CER 1N PF 50V +/-10% B
C406	27-ALR762-J01	CAP. METAL PP 0.0076 UF 1.6KV
C404	26-AIM472-KB1	CAP. CER 4700 PF 500V +/-10% B
C402	27-RH1563-J01	CAP. PP 0.056 UF 400V +/-5%
C401	27-RHR394-J01	CAP. PP 0.39 UF 400V +/-5%
C310	25-BFB100-M11	CAP. ELEC 10 UF 50V +/-20%
C307	25-BFA100-M11	CAP. ELEC 10 UF 50V +/-20%
C306	25-BEG102-M11	CAP. ELEC 1000 UF 35V +/-20%
C303	25-BEA101-M11	CAP. ELEC 100 UF 35V +/-20%
C302	27-PBA224-J01	CAP. P.E. 0.22 UF 50V +/-5%
C135	26-ABC103-ZF1	CAP. CER 0.01 UF 50V +80-20% F
C133	25-BCA471-M11	CAP. ELEC 470 UF 16V +/-20%
C132	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C131	25-BCA102-M11	CAP. ELEC 1000 UF 16V +/-20%
C129	26-ABC103-ZF1	CAP. CER 0.01 UF 50V +80-20% F
C128	25-BFA229-M11	CAP. ELEC 2.2 UF 50V +/-20%
C127	25-BCA470-M11	CAP. ELEC 47 UF 16V +/-20%
C126	26-ABC330-JZ1	CAP. CER 33 PF 50V +/-5%
C124	25-BFB478-M11	CAP. ELEC 0.47 UF 50V +/-20%
C123	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C122	26-ABC102-KB1	CAP. CER 1N PF 50V +/-10% B
C121	26-ABC103-ZF1	CAP. CER 0.01 UF 50V +80-20% F
C119	25-BFB478-M11	CAP. ELEC 0.47 UF 50V +/-20%
C118	25-BCB100-M11	CAP. ELEC 10 UF 16V +/-20%
C117	25-BCB100-M11	CAP. ELEC 10 UF 16V +/-20%
C116	27-PBC473-J01	CAP. P.E. 0.047 UF 50V +/-5%

SCHEMATIC NO.	PART #	DESCRIPTION
C115	26-ABC103-ZF1	CAP. CER 0.01 UF 50V +80-20% F
C114	25-BFB478-M11	CAP. ELEC 0.47 UF 50V +/-20%
C113	25-BEA229-K31	CAP. TAN 2.2 UF 35V +/-10%
C112	26-ABC102-KB1	CAP. CER IN PF 50V +/-10% B
C111	26-ABC103-ZF1	CAP. CER 0.01 UF 50V +80-20% F
C110	26-ABC102-KB1	CAP. CER IN PF 50V +/-10% B
C109	26-ABC103-ZF1	CAP. CER 0.01 UF 50V +80-20% F
C108	26-ABC103-ZF1	CAP. CER 0.01 UF 50V +80-20% F
C107	26-ABC102-KB1	CAP. CER 1N PF 50V +/-10% B
C106	25-BCA221-M11	CAP. ELEC 220 UF 16V +/-20%
C105	26-ABA150-JC1	CAP. CER 15 PF 50V +/-5% NPO
C104	26-ABC103-ZF1	CAP. CER 0.01 UF 50V +80-20% F
C103	26-ABC103-ZF1	CAP. CER 0.01 UF 50V +80-20% F
C102	26-ABC470-JZ1	CAP. CER 47 PF 50V +/-5% SL
C101	26-ABC103-ZF1	CAP. CER 0.01 UF 50V +80-20% F
C083	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C082	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C079	25-BFA220-M11	CAP. ELEC 22 UF 50V +/-20%
C079	25-BFA220-M11	CAP. ELEC 22 UF 50V +/-20%
C078	26-BC473-ZF1	CAP. CER 0.047 UF 50V +80-20%F
C077	26-ABC479-JC1	CAP. CER 4.7 PF 50V +/-5% NPO
C073	27-MB1184-J01	CAP. METAL P.E. 0.18 UF 50V 5%
C072	25-BBA471-M11	CAP. ELEC 470 UF 10V +/-20%
C071	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C070	26-ABC200-JZ1	CAP. CER 20 PF 50V +/-5% SL
C069	25-BFB220-M11	CAP. ELEC 22 UF 50V +/-20%
C068	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C067	27-PBA224-J01	CAP. P.E. 0.22 UF 50V +/-5%
C066	25-BCB470-M11	CAP. ELEC 47 UF 16V +/-20%
C065	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C063	26-ABC270-JZ1	CAP. CER 27 PF 50V +/-5% SL
C062	25-BCA221-M11	CAP. ELEC 220 UF 16V +/-20%
C061	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C060	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C059	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C058	25-BCA221-M11	CAP. ELEC 220 UF 16V +/-20%
C056	25-BCA221-M11	CAP. ELEC 220 UF 16V +/-20%
C054	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C053	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C052	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C051	26-ABC100-JC1	CAP. CER 10 PF 50V +/-5% NPO
C049	25-BFB478-M11	CAP. ELEC 0.47 UF 50V +/-20%
C045	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C044	26-ABC331-JZ1	CAP. CER 330 PF 50V +/-5% SL
C043	27-MBA104-J01	CAP. METAL P.E. 0.1 UF 50V 5%
C041	27-MBA104-J01	CAP. METAL P.E. 0.1 UF 50V 5%
C039	25-BEB228-M31	CAP. TAN 0.22 UF 35V +/-20%
C038	26-ABC221-JZ1	CAP. CER 220 PF 50V +/-5% SL
C037	26-ABC203-ZF1	CAP. CER 20N 50V +80-20% F
C036	26-ABC470-JZ1	CAP. CER 47 PF 50V +/-5% SL
C035	26-ABC102-KB1	CAP. CER 1N PF 50V +/-10% B
C034	25-BEB220-M11	CAP. ELEC 22 UF 35V +/-20%
C033	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C032	25-BFB478-M11	CAP. ELEC 0.47 UF 50V +/-20%
C031	25-BEA100-M11	CAP. ELEC 10 UF 35V +/-20%
C030	27-MBA104-J01	CAP. METAL P.E. 0.1 UF 50V 5%
C029	25-BFB109-M11	CAP. ELEC 1 UF 50V +/-20%
C028	26-ABC203-ZF1	CAP. CER 20N 50V +80-20% F
C026	26-ABC102-KB1	CAP. CER 1N PF 50V +/-10% B
C024	26-ABC102-KB1	CAP. CER 1N PF 50V +/-10% B
C023	26-ABC102-KB1	CAP. CER 1N PF 50V +/-10% B
C022	26-ABC102-KB1	CAP. CER 1N PF 50V +/-10% B
C021	26-ABC102-KB1	CAP. CER 1N PF 50V +/-10% B
C019	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C017	25-BFB100-M11	CAP. ELEC 10 UF 50V +/-20%
C016	26-ABC331-JZ1	CAP. CER 330 PF 50V +/-5% SL
C015	26-ABC331-JZ1	CAP. CER 330 PF 50V +/-5% SL
C014	26-ABC102-KB1	CAP. CER 1N PF 50V +/-10% B
C013	26-ABC102-KB1	CAP. CER 1N PF 50V +/-10% B
C012	26-ABC102-KB1	CAP. CER 1N PF 50V +/-10% B
C011	26-ABC102-KB1	CAP. CER 1N PF 50V +/-10% B
C010	26-ABC331-JZ1	CAP. CER 330 PF 50V +/-5% SL

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DESCRIPTION

C009	26-ABC102-KB1	CAP. CER 1N PF 50V +/-10% B
C008	26-ABC102-KB1	CAP. CER 1N PF 50V +/-10% B
C007	26-ABC221-JZ1	CAP. CER 220 PF 50V +/-5% SL
C006	26-ABC331-JZ1	CAP. CER 330 PF 50V +/-5% SL
C005	26-ABC470-JZ1	CAP. CER 57 PF 50V +/-5% SL
C004	26-ABA103-ZF1	CAP. CER 0.01 UF 50V +80-20% F
C003	26-ABC101-JZ1	CAP. CER 110 PF 50V +/-5% SL
C002	25-BCB109-M11	CAP. CER 1 UF 16V +/-20%
C001	26-ABC473-ZF1	CAP. CER 0.047 UF 50V +80-20%F
	40-213071-0AY	P.C.B. MAIN BD
	51-CC0219-0CA	POWER CORD -AC BS6500
	56-207930-0HA	KNOB POWER ON/OFF
	62-200760-1HA	TERMINAL BD
	62-200930-0HA	SPACER TERMINAL BD
	62-203550-0UA	MOUNTING SPACER FBT
	63-B40200-AB2	S/T SCREW B 4 X 20 AB
	63-P35080-0B4	S/T SCREW P 3.5 X 8 B
	63-P35100-AB4	S/T SCREW P 3.5 X 10 AB
	63-P35140-AB4	S/T SCREW P 3.5 X 14 AB
	64-P30060-102	M/C SCREW P 3 X 6
	64-P30100-102	M/C SCREW P 3 X 10
	65-A40090-06E	WASHER 4 X 9 X 0.6 MM
	65-Z30050-23E	NUT M 3
	66-205160-0B8	FUSE HOLDER
	67-134480-0M2	NUT INSERTING
	67-202330-0M4	BRACKET MAIN BD
	67-203020-0M2	HEAT SINK
	67-211690-0A0	HEAT SINK Q405 (2SD1555)
	67-212680-0M4	SPECIAL WASHER
	67-212870-0T0	SHIELD COVER
	67-213180-0A0	HEAT SINK IC 7812
	67-213680-0T0	HEAT SINK IC TDA 8175
	67-213780-0A0	HEAT SINK REGULATOR
	71-113900-0A2	LABEL POWER CORD

08-212940-001 ASS'Y - CRT BD

VR501	20-202980-503	TRIMMER 850K VERT TYPE
S501	47-209730-000	SOCKET CRT HPS0360-01-030
R537	18-CD0273-JD1	RES. C.F. 27K OHM 1/4W +/-5%
R536	18-CD0822-JD1	RES. C.F. 8.2K OHM 1/4W +/-5%
R534	18-CD0100-JD1	RES. C.F. 10 OHM 1/4W +/-5%
R533	18-CD0103-JD1	RES. C.F. 10K OHM 1/4W +/-5%
R532	18-CD0392-JD1	RES. C.F. 3.9K OHM 1/4W +/-5%
R531	18-CD0102-JD1	RES. C.F. 1K OHM 1/4W +/-5%
R529	18-CD0103-JD1	RES. C.F. 10K OHM 1/4W +/-5%
R528	18-BE0102-JB1	RES. C.C. 1K OHM 1/2W +/-5%
R527	18-CD0561-JD1	RES. C.F. 560 OHM 1/4W +/-5%
R526	18-FG0183-JH1	RES. M.O. 18K OHM 2W +/-5%
R524	18-CD0152-JD1	RES. C.F. 1.5K OHM 1/4W +/-5%
R523	18-CD0682-JD1	RES. C.F. 6.8K OHM 1/4W +/-5%
R522	18-CD0154-JD1	RES. C.F. 150K OHM 1/4W +/-5%
R521	18-CD0472-JD1	RES. C.F. 4.7K OHM 1/4W +/-5%
R520	18-CD0220-JD1	RES. C.F. 22 OHM 1/4W +/-5%
R519	18-CD0103-JD1	RES. C.F. 10K OHM 1/4W +/-5%
R518	18-BE0102-JB1	RES. C.C. 1K OHM 1/2W +/-5%
R517	18-CD0561-JD1	RES. C.F. 560 OHM 1/4W +/-5%
R516	18-FG0183-JH1	RES. M.O. 18K OHM 2W +/-5%
R514	18-CD0152-JD1	RES. C.F. 1.5K OHM 1/4W +/-5%
R513	18-CD0682-JD1	RES. C.F. 6.8K OHM 1/4W +/-5%
R512	18-CD0154-JD1	RES. C.F. 150K OHM 1/4W +/-5%
R511	18-CD0472-JD1	RES. C.F. 4.7K OHM 1/4W +/-5%
R509	18-CD0103-JD1	RES. C.F. 10K OHM 1/4W +/-5%
R508	18-BE0102-JB1	RES. C.C. 1K OHM 1/2W +/-5%
R507	18-CD0561-JD1	RES. C.F. 560 OHM 1/4W +/-5%
R506	18-FG0183-JH1	RES. M.O. 18K OHM 2W +/-5%
R504	18-CD0152-JD1	RES. C.F. 1.5K OHM 1/4W +/-5%
R503	18-CD0682-JD1	RES. C.F. 6.8K OHM 1/4W +/-5%
R502	18-CD0154-JD1	RES. C.F. 150K OHM 1/4W +/-5%
R501	18-CD0472-JD1	RES. C.F. 4.7K OHM 1/4W +/-5%

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DESCRIPTION

Q517	11-A562TM-0A1	TRANSISTOR 2SA562TM-O
Q516	11-A562TM-0A1	TRANSISTOR 2SA562TM-O
Q514	11-0BF423-0A1	TRANSISTOR BF423
Q513	11-SC2482-0A1	TRANSISTOR 2SC2482
Q512	11-SC2068-0A1	TRANSISTOR 2SC2068
Q511	11-A562TM-0A1	TRANSISTOR 2SA562TM-O
Q509	11-0BF423-0A1	TRANSISTOR BF423
Q508	11-SC2482-0A1	TRANSISTOR 2SC2482
Q507	11-SC2068-0A1	TRANSISTOR 2SC2068
Q506	11-A562TM-0A1	TRANSISTOR 2SA562TM-O
Q504	11-0BF423-0A1	TRANSISTOR BF423
Q503	11-SC2482-0A1	TRANSISTOR 2SC2482
Q502	11-SC2068-0A1	TRANSISTOR 2SC2068
Q501	11-A562TM-0A1	TRANSISTOR 2SA562TM-O
L513	34-R100K2-1C1	COIL CHOKE 10 UH +/-10%
L512	34-R101K2-1B1	COIL CHOKE 100 UH +/-10%
L511	34-R101K2-1B1	COIL CHOKE 100 UH +/-10%
D517	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D516	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D514	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D513	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D512	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D511	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D510	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D509	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D508	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D507	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D506	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D504	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D503	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D502	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D501	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
C513	26-AMK102-KB1	CAP. CER 1000 PF 2KV +/-10% B
C512	25-BCA100-M11	CAP. ELEC 10 UF 16V +/-20%
C511	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C510	25-BCA220-M11	CAP. ELEC 22 UF 16V +/-20%
C509	25-BCA101-M11	CAP. ELEC 100 UF 16V +/-20%
C508	25-BCA221-M11	CAP. ELEC 220 UF 16V +/-20%
C507	26-ABA222-JZ1	CAP. CER 2200 PF 50V +/-5% SL
C505	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C504	26-ABA222-JZ1	CAP. CER 2200 PF 50V +/-5% SL
C502	26-ABA222-JZ1	CAP. CER 2200 PF 50V +/-5% SL
	40-212900-0AA	P.C.B. CRT BD

08-213090-001 ASS'Y - CONT. BD

R250	18-CB0104-JN1	RES. C.F. 100K OHM 1/6W +/-5%
R244	18-CB0473-JN1	RES. C.F. 47K OHM 1/6W +/-5%
R243	18-CB0473-JN1	RES. C.F. 47K OHM 1/6W +/-5%
R242	18-CB0473-JN1	RES. C.F. 47K OHM 1/6W +/-5%
R207	18-CB0472-JN1	RES. C.F. 4.7K OHM 1/6W +/-5%
R206	18-CB0101-JN1	RES. C.F. 100 OHM 1/6W +/-5%
Q210	11-SC1815-YA1	TRANSISTOR 2SC1815Y
D209	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D204	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D203	14-140482-LR2	LED SLH56UR3F
D202	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D201	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
C250	26-ABC103-ZF1	CAP. CER 0.01 UF 50V +80-20% F
C206	25-BEB220-M11	CAP. ELEC 22 UF 35V +/-20%
C203	25-BCB470-M11	CAP. ELEC 47 UF 16V +/-20%
	40-212970-0FX	P.C.B. CONT. KEY BD
	40-213011-0AA	P.C.B. CONTROL BD
	48-133312-000	SW. TACT EVQ-QS2-05K
	48-133312-000	SW. TACT EVQ-QS2-05K
	49-212980-000	RUBBER KEY PAD, 14 KEY
	62-205550-0HA	HOLDER LED
	62-211010-0HA	HOLDER RUBBER KEY PAD
	67-202310-0M2	BRACKET SUPPORTING

For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
 8 Cherry Tree Rd, Chinnor
 Oxon OX9 4QY
 Tel:- 01844-351894 Fax:- 01844-352554
 Email:- enquiries@mauritron.co.uk

SCHEMATIC NO.	PART #	DESCRIPTION
08-212960-001 ASS'Y - FRONT CABINET		
W661	42-142741-000	SPEAKER 7.6CM 8 OHM 1.5W
L801	36-200580-000	DEGAUSSING COIL 35CM COLD
	44-213200-000	CRT 37CM 3708B22-TC LH:1.95
	54-205140-000	SPACER CRT MOUNTING
	55-20524P-0HA	FRONT CABINET
	55-20556P-0HA	DOOR
	55-211000-0HA	PANEL CONT. DIGITAL
	56-20553S-0HJ	LENS POWER ON/OFF
	56-205640-0HA	PUSH BUTTON 1 KEY
	58-13461S-00I	LOGO
	58-20560S-0HI	INLAY CONT. PANEL
	62-100730-2HA	HOLDER AC POWER CORD
	62-200980-0HA	MOUNTING POST
	63-B30080-BT4	S/T SCREW B 3 X 8 BT
	63-B50250-AB4	S/T SCREW B 5 X 25 AB
	63-W30100-AB2	S/T SCREW W 3 X 10 AB
	65-C51250-16E	WASHER EXTERNAL TOOTH
	67-110010-0E0	SPRING CRT 6 X 18 X 0.5
08-213170-001 ASS'Y - REAR CABINET		
	55-205250-0HA	CABINET REAR
	58-20291S-5UI	INLAY TERMINAL BD
	59-130460-000	RUBBER PAD 25MMX5.5MM
	63-B40200-AB4	S/T SCREW B 4 X 20 AB
	64-B30120-102	M/C SCREW B 3 X 12
	65-A40090-06E	WASHER 4 X 9 X 0.6 MM
	67-11484S-0A0	PLATE MODEL NO.
08-213150-001 ASS'Y - PACKING		
	70-214043-AE0	OPERATION MANUAL
	74-022032-6WE	POLYBAG 22 X 32CM
	74-081081-6WC	POLYBAG 14 IN.
	75-208760-C00	POLYFORM UPPER CAP R
	75-208770-C00	POLYFORM UPPER CAP L
	75-208780-C00	POLYFORM LOWER CAP R
	75-208790-C00	POLYFORM LOWER CAP L
	76-20880X-02A	CARTON BOX
PART LIST FOR CX33 ONLY		
08-218601-001 ASS'Y - MAIN BD		
Z102	45-137170-600	CER. TRAP TPS 6.0 MHZ
Z101	45-213940-300	SAW FILTER F1045A
X101	45-108780-400	CER. FILTER 6 MHZ EFCS6R0MSR4
X002	45-213030-100	CRYSTAL 17734.475 KHZ CL=20P
X001	45-134220-100	CRYSTAL 4.0 MHZ
VR301	20-141631-502	TRIMMER 85K VERT TYPE
VR101	20-215450-103	TRIMMER B10K HORIZ TYPE
TU101	07-TERB10-28A	TUNER TERB1-028A
T901	36-213760-00E	TRANSFORMER POWER STAND BY
T402	36-107481-000	TRANSFORMER HORIZ EI-19
T401	37-M2012E-12A	FLYBACK FCM-2012E12A
T105	38-221120-00A	COIL FM DET
T104	38-107440-000	COIL P.I.F. DETECTOR
T102	38-107440-000	COIL P.I.F. DETECTOR
T101	38-213950-000	COIL P.S.F. MATCHING TRF3833

SCHEMATIC NO.	PART #	DESCRIPTION
S921	48-134280-000	SW. PUSH POWER
S002	48-133312-000	SW. TACT EVQ-QS2-05K
RL921	43-OMIT10-5LM	RELAY OMIT-SS-105LM
R922	18-EG0689-JH1	RES. FUS 6.8 OHM 2W +/-5%
R921	18-FG0100-JH1	RES. M.O. 10 OHM 2W +/-5%
R912	18-CB0472-JN1	RES. C.F. 4.7K OHM 1/6W +/-5%
R911	18-CD0220-JD1	RES. C.F. 22 OHM 1/4W +/-5%
R910	18-CB0102-JN1	RES. C.F. 1K OHM 1/6W +/-5%
R909	18-CB0223-JN1	RES. C.F. 22K OHM 1/6W +/-5%
R908	18-CB0103-JN1	RES. C.F. 10K OHM 1/6W +/-5%
R908	18-CB0222-JN1	RES. C.F. 2.2K OHM 1/6W +/-5%
R907	18-CB0223-JN1	RES. C.F. 22K OHM 1/6W +/-5%
R906	18-CB0182-JN1	RES. C.F. 1.8K OHM 1/6W +/-5%
R905	18-CB0472-JB1	RES. C.F. 4.7K OHM 1/6W +/-5%
R904	18-CB0392-JN1	RES. C.F. 3.9K OHM 1/6W +/-5%
R903	18-CE0330-JB1	RES. C.F. 33 OHM 1/2W +/-5%
R902	18-CB0223-JN1	RES. C.F. 22K OHM 1/6W +/-5%
R755	18-CB0750-JN1	RES. C.F. 75 OHM 1/6W +/-5%
R754	18-CB0182-JN1	RES. C.F. 1.8K OHM 1/6W +/-5%
R753	18-CB0274-JN1	RES. C.F. 270K OHM 1/6W +/-5%
R752	18-CB0103-JN1	RES. C.F. 10K OHM 1/6W +/-5%
R751	18-CB0202-JN1	RES. C.F. 2K OHM 1/6W +/-5%
R738	18-CB0102-JN1	RES. C.F. 1K OHM 1/6W +/-5%
R737	18-CB0822-JN1	RES. C.F. 8.2K OHM 1/6W +/-5%
R736	18-CB0822-JN1	RES. C.F. 8.2K OHM 1/6W +/-5%
R735	18-CB0822-JN1	RES. C.F. 8.2K OHM 1/6W +/-5%
R734	18-CB0102-JN1	RES. C.F. 1K OHM 1/6W +/-5%
R733	18-CB0102-JN1	RES. C.F. 1K OHM 1/6W +/-5%
R732	18-CB0102-JN1	RES. C.F. 1K OHM 1/6W +/-5%
R727	18-CB0681-JN1	RES. C.F. 680 OHM 1/6W +/-5%
R726	18-CB0102-JN1	RES. C.F. 1K OHM 1/6W +/-5%
R725	18-CB0103-JN1	RES. C.F. 10K OHM 1/6W +/-5%
R724	18-CB0222-JN1	RES. C.F. 2.2K OHM 1/6W +/-5%
R723	18-CB0102-JN1	RES. C.F. 1K OHM 1/6W +/-5%
R722	18-CB0123-JN1	RES. C.F. 12K OHM 1/6W +/-5%
R721	18-CB0123-JN1	RES. C.F. 12K OHM 1/6W +/-5%
R718	18-CB0182-JN1	RES. C.F. 1.8K OHM 1/6W +/-5%
R717	18-CB0274-JN1	RES. C.F. 270K OHM 1/6W +/-5%
R716	18-CB0221-JN1	RES. C.F. 220 OHM 1/6W +/-5%
R715	18-CB0221-JN1	RES. C.F. 220 OHM 1/6W +/-5%
R714	18-CB0221-JN1	RES. C.F. 220 OHM 1/6W +/-5%
R713	18-CB0471-JN1	RES. C.F. 470 OHM 1/6W +/-5%
R712	18-CB0561-JN1	RES. C.F. 560 OHM 1/6W +/-5%
R711	18-CB0331-JN1	RES. C.F. 330 OHM 1/6W +/-5%
R707	18-CB0472-JB1	RES. C.F. 4.7K OHM 1/6W +/-5%
R706	18-CB0222-JN1	RES. C.F. 2.2K OHM 1/6W +/-5%
R705	18-CB0222-JN1	RES. C.F. 2.2K OHM 1/6W +/-5%
R704	18-CB0102-JN1	RES. C.F. 1K OHM 1/6W +/-5%
R703	18-CB0104-JN1	RES. C.F. 100K OHM 1/6W +/-5%
R702	18-CB0392-JN1	RES. C.F. 3.9K OHM 1/6W +/-5%
R701	18-CB0152-JN1	RES. C.F. 1.5K OHM 1/6W +/-5%
R614	18-CB0102-JN1	RES. C.F. 1K OHM 1/6W +/-5%
R613	18-CB0683-JN1	RES. C.F. 68K OHM 1/6W +/-5%
R612	18-CB0683-JN1	RES. C.F. 68K OHM 1/6W +/-5%
R611	18-CB0102-JN1	RES. C.F. 1K OHM 1/6W +/-5%
R604	18-CB0561-JN1	RES. C.F. 560 OHM 1/6W +/-5%
R603	18-CB0562-JN1	RES. C.F. 5.6K OHM 1/6W +/-5%
R602	18-CB0479-JN1	RES. C.F. 4.7 OHM 1/6W +/-5%
R600	18-CB0101-JN1	RES. C.F. 100 OHM 1/6W +/-5%
R412	18-CD0622-JD1	RES. C.F. 6.2K OHM 1/4W +/-5%
R411	18-CD0683-JD1	RES. C.F. 68K OHM 1/4W +/-5%
R410	18-DF0109-JN1	RES. M.F. 1 OHM 1W +/-5%
R409	18-FE0272-JG1	RES. M.O. 2.7K OHM 1/2W +/-5%
R408	18-CD0330-JD1	RES. C.F. 33 OHM 1/4W +/-5%
R407	18-FH0242-JHA	RES. M.O. 2.4K OHM 3W +/-5%
R406	18-FE0221-JN1	RES. M.O. 220 OHM 1/2W +/-5%
R405	18-FF0181-JG1	RES. M.O. 180 OHM 1W +/-5%
R404	18-FG0472-JH1	RES. M.O. 4.7K OHM 2W +/-5%
R403	18-EF0109-JC1	RES. FUS 1 OHM 1W +/-5%
R401	18-FE0122-JC1	RES. M.O. 1.2K OHM 1/2W +/-5%
R312	18-CD0221-JB1	RES. C.F. 220 OHM 1/4W +/-5%
R311	18-CD0471-JD1	RES. C.F. 470 OHM 1/4W +/-5%

SCHEMATIC NO.	PART #	DESCRIPTION
R308	18-CD0103-JB1	RES. C.F. 10K OHM 1/4W +/-5%
R307	18-DF0109-JN1	RES. M.F. 1 OHM 1W +/-5%
R306	18-CD0682-JD1	RES. C.F. 6.8K OHM 1/4W +/-5%
R305	18-DF0109-JN1	RES. M.F. 1 OHM 1W +/-5%
R304	18-CD0183-JD1	RES. C.F. 18K OHM 1/4W +/-5%
R303	18-CD0822-JD1	RES. C.F. 8.2K OHM 1/4W +/-5%
R302	18-CD0331-JD1	RES. C.F. 330 OHM 1/4W +/-5%
R301	18-FF0100-JN1	RES. M.O. 10 OHM 1W +/-5%
R127	18-CB0561-JN1	RES. C.F. 560 OHM 1/6W +/-5%
R124	18-CB0102-JN1	RES. C.F. 1K OHM 1/6W +/-5%
R123	18-CB0471-JN1	RES. C.F. 470 OHM 1/6W +/-5%
R122	18-CB0122-JN1	RES. C.F. 1.2K OHM 1/6W +/-5%
R121	18-CB0101-JN1	RES. C.F. 100 OHM 1/6W +/-5%
R120	18-CB0331-JN1	RES. C.F. 330 OHM 1/6W +/-5%
R119	18-CB0105-JN1	RES. C.F. 1M OHM 1/6W +/-5%
R118	18-CB0224-JN1	RES. C.F. 220K OHM 1/6W +/-5%
R117	18-CB0104-JN1	RES. C.F. 8.2K OHM 1/6W +/-5%
R116	18-CB0124-JN1	RES. C.F. 120K OHM 1/6W +/-5%
R115	18-CB0104-JN1	RES. C.F. 100K OHM 1/6W +/-5%
R114	18-CB0104-JN1	RES. C.F. 100K OHM 1/6W +/-5%
R113	18-CB0473-JN1	RES. C.F. 47K OHM 1/6W +/-5%
R112	18-CB0104-JN1	RES. C.F. 100K OHM 1/6W +/-5%
R111	18-CB0333-JN1	RES. C.F. 33K OHM 1/6W +/-5%
R108	18-CB0562-JN1	RES. C.F. 5.6K OHM 1/6W +/-5%
R108	18-CB0822-JN1	RES. C.F. 8.2K OHM 1/6W +/-5%
R107	18-CB0472-JN1	RES. C.F. 4.7K OHM 1/6W +/-5%
R106	18-CB0221-JN1	RES. C.F. 220 OHM 1/6W +/-5%
R105	18-CB0270-JN1	RES. C.F. 27 OHM 1/6W +/-5%
R104	18-CB0562-JN1	RES. C.F. 5.6K OHM 1/6W +/-5%
R103	18-CB0102-JN1	RES. C.F. 1K OHM 1/6W +/-5%
R102	18-CB0221-JN1	RES. C.F. 220 OHM 1/6W +/-5%
R101	18-CB0101-JN1	RES. C.F. 100 OHM 1/6W +/-5%
R021	18-CB0103-JN1	RES. C.F. 10K OHM 1/6W +/-5%
R020	18-CB0822-JN1	RES. C.F. 8.2K OHM 1/6W +/-5%
R018	18-CB0823-JN1	RES. C.F. 82K OHM 1/6W +/-5%
R017	18-CB0103-JN1	RES. C.F. 10K OHM 1/6W +/-5%
R016	18-CB0103-JN1	RES. C.F. 10K OHM 1/6W +/-5%
R015	18-CB0103-JN1	RES. C.F. 10K OHM 1/6W +/-5%
R014	18-CB0683-JN1	RES. C.F. 68K OHM 1/6W +/-5%
R013	18-CB0104-JN1	RES. C.F. 100K OHM 1/6W +/-5%
R012	18-CB0103-JN1	RES. C.F. 10K OHM 1/6W +/-5%
R011	18-CB0103-JB1	RES. C.F. 10K OHM 1/6W +/-5%
R010	18-CB0153-JB1	RES. C.F. 15K OHM 1/6W +/-5%
R009	18-CB0103-JN1	RES. C.F. 10K OHM 1/6W +/-5%
R009	18-CB0222-JN1	RES. C.F. 2.2K OHM 1/6W +/-5%
R008	18-CB0103-JB1	RES. C.F. 10K OHM 1/6W +/-5%
R007	18-CB0103-JB1	RES. C.F. 10K OHM 1/6W +/-5%
R006	18-CB0473-JN1	RES. C.F. 47K OHM 1/6W +/-5%
R005	18-CB0333-JN1	RES. C.F. 33K OHM 1/6W +/-5%
R004	18-CB0153-JN1	RES. C.F. 15K OHM 1/6W +/-5%
R003	18-CB0123-JN1	RES. C.F. 12K OHM 1/6W +/-5%
R002	18-CE0272-JB1	RES. C.F. 2.7K OHM 1/2W +/-5%
R001	18-CD0472-JD1	RES. C.F. 4.7K OHM 1/4W +/-5%
Q907	11-SC1815-YB1	TRANSISTOR 2SC1815Y
Q906	11-SC1815-YB1	TRANSISTOR 2SC1815Y
Q905	11-SC1815-YB1	TRANSISTOR 2SC1815Y
Q904	11-SC1815-YB1	TRANSISTOR 2SC1815Y
Q903	11-SC1815-YB1	TRANSISTOR 2SC1815Y
Q902	11-SC1815-YB1	TRANSISTOR 2SC1815Y
Q901	11-SC1815-YB1	TRANSISTOR 2SC1815Y
Q711	11-SA1015-YB1	TRANSISTOR 2SA1015-Y
Q612	11-SC1815-YB1	TRANSISTOR 2SC1815Y
Q611	11-SC1815-YB1	TRANSISTOR 2SC1815Y
Q402	11-SC2482-0A1	TRANSISTOR 2SC2482
Q401	11-SD1555-0A1	TRANSISTOR 2SD1555
Q103	11-SC1815-YA1	TRANSISTOR 2SC1815Y
Q102	11-SC1815-YB1	TRANSISTOR 2SC1815Y
Q101	11-SC388A-MA1	TRANSISTOR 2SC388ATM
Q004	11-SC1815-YB1	TRANSISTOR 2SC1815Y
Q003	11-SC1815-YB1	TRANSISTOR 2SC1815Y
Q002	11-SC1815-YB1	TRANSISTOR 2SC1815Y
Q001	11-2N3904-0B1	TRANSISTOR 2N3904

SCHEMATIC NO.	PART #	DESCRIPTION
L742	34-A100K0-011	COIL CHOKE 10UH 10%
L741	34-A100K0-011	COIL CHOKE 10UH 10%
L731	34-A100K0-011	COIL CHOKE 10UH 10%
L721	34-A100K0-011	COIL CHOKE 10UH 10%
L713	34-A100K0-011	COIL CHOKE 10UH 10%
L712	34-A100K0-011	COIL CHOKE 10UH 10%
L711	34-A100K0-011	COIL CHOKE 10UH 10%
L701	34-A100K0-011	COIL CHOKE 10UH 10%
L406	34-R569K2-1B1	COIL CHOKE 5.6 UH +/-10%
L405	34-R101K2-1B1	COIL CHOKE 100 UH +/-10%
L404	34-R109J2-0E1	COIL PL - 1 UH +/-5%
L403	34-A608K6-1BA	COIL CHOKE 0.6 UH +/-10%
L401	36-208950-00A	COIL LINEARITY 50 UH
L110	34-A100K0-011	COIL CHOKE 10UH 10%
L109	34-A100K0-011	COIL CHOKE 10UH 10%
L108	34-A100K0-011	COIL CHOKE 10UH 10%
L107	34-A100K0-0C1	COIL CHOKE 10UH 10%
L106	34-R150J2-0E1	COIL PL - 15 UH +/-5%
L105	34-R569J2-0E1	COIL PL - 5.6 UH +/-5%
L104	34-R150J2-0E1	COIL PL - 15 UH +/-5%
L103	34-A100K0-0C1	COIL CHOKE 10UH 10%
L102	34-A109K0-111	COIL CHOKE 1 UH +/-10%
L101	34-A568K0-111	COIL CHOKE 0.56 UH +/-10%
L001	34-A100K0-011	COIL CHOKE 10UH 10%
IC902	13-00MC78-12S	IC MC7812
IC901	13-007805-CTP	IC 7805 CT (3A)
IC706	13-000041-64P	IC MW4164P D-RAM 150NS
IC705	13-0MCU26-00P	IC MCU2600
IC704	13-0TPU27-32P	IC 2732 TELETEXT PROCOSOR
IC703	13-0DPU25-43P	IC DPU2543
IC702	13-0VPU22-03P	IC VPU2203
IC701	13-0VCU21-33P	IC VCU2133
IC601	13-00AN52-65P	IC AN5265
IC301	13-0TDA81-75P	IC TDA8175
IC101	13-00LA75-50P	IC LA7550
IC002	13-0MDA20-62P	IC MDA2062 (EEPROM)
IC001	13-0TVP20-70P	IC TVP2070 CENTRAL CONT.
D906	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D905	10-79C5V6-DB1	DIODE ZENER 5.6V 1/2W 5%
D904	10-79C5V6-DB1	DIODE ZENER 5.6V 1/2W 5%
D903	10-1N4001-EB1	DIODE 1N4001 (RECTIFIER)
D902	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D901	10-1N4001-EB1	DIODE 1N4001 (RECTIFIER)
D724	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D723	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D722	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D721	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D716	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D715	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D714	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D713	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D712	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D711	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D703	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D702	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D701	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D612	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D611	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D402	10-S5295G-EB1	DIODE S5295G (FAST RECOVERY)
D301	10-1N4001-EB1	DIODE 1N4001 (RECTIFIER)
D007	10-ZTK33C-DB1	DIODE ZENER ZTK33C
D006	10-79C20V-DB1	DIODE ZENER 20V 1/2W 5%
D005	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D004	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D003	10-79C6V8-DB1	DIODE ZENER 6.8V 1/2W 5%
D002	10-79C6V8-DB1	DIODE ZENER 6.8V 1/2W 5%
D001	10-79C6V8-DB1	DIODE ZENER 6.8V 1/2W 5%
C925	25-BCA471-M11	CAP. ELEC 470 UF 16V +/-20%
C924	25-BCA102-M11	CAP. ELEC 1000 UF 16V +/-20%
C923	25-BCA471-M11	CAP. ELEC 470 UF 16V +/-20%
C922	25-BDA471-M11	CAP. ELEC 470 UF 25V +/-20%
C921	25-BCA471-M11	CAP. ELEC 470 UF 16V +/-20%

SCHEMATIC NO.	PART #	DESCRIPTION
C907	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C906	26-ABC473-ZF1	CAP. CER 0.047 UF 50V +80-20%F
C905	25-BCB109-M11	CAP. ELEC 1 UF 16V +/-20%
C904	26-ABC103-ZF1	CAP. CER 0.01 UF 50V +80-20% F
C903	26-ABC103-ZF1	CAP. CER 0.01 UF 50V +80-20% F
C902	25-BCA102-M11	CAP. ELEC 1000 UF 16V +/-20%
C901	26-ABC103-ZF1	CAP. CER 0.01 UF 50V +80-20% F
C754	26-ABC470-JZ1	CAP. CER 47 PF 50V +/-5% SL
C753	25-BFA229-M11	CAP. ELEC 2.2 UF 50V +/-20%
C752	26-ABC473-ZF1	CAP. CER 0.047 UF 50V +80-20%F
C751	25-BFA220-M11	CAP. ELEC 22 UF 50V +/-20%
C743	25-BFB220-M11	CAP. ELEC 22 UF 50V +/-20%
C742	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C741	27-PBA224-J01	CAP. P.E. 0.22 UF 50V +/-5%
C735	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C734	26-ABK101-JZ1	CAP. CER 100 PF 50V +/-5% SL
C733	26-ABK101-JZ1	CAP. CER 100 PF 50V +/-5% SL
C732	26-ABK101-JZ1	CAP. CER 100 PF 50V +/-5% SL
C731	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C725	26-ABC200-JZ1	CAP. CER 20 PF 50V +/-5% SL
C724	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C723	26-ABC479-JC1	CAP. CER 4.7 PF 50V +/-5% NPO
C722	25-BCA471-M11	CAP. ELEC 470 UF 16V +/-20%
C721	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C719	26-ABC470-JZ1	CAP. CER 47 PF 50V +/-5% SL
C718	25-BFA229-M11	CAP. ELEC 2.2 UF 50V +/-20%
C717	25-BCA221-M11	CAP. ELEC 220 UF 16V +/-20%
C716	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C715	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C714	25-BCB470-M11	CAP. ELEC 47 UF 16V +/-20%
C713	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C712	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C711	25-BCA221-M11	CAP. ELEC 220 UF 16V +/-20%
C705	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C704	25-BCA221-M11	CAP. ELEC 220 UF 16V +/-20%
C703	26-ABC100-JC1	CAP. CER 10 PF 50V +/-5% NPO
C702	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C701	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C617	25-BCB100-M11	CAP. ELEC 10 UF 16V +/-20%
C616	26-ABA103-ZF1	CAP. CER 0.01 UF 50V +80-20% F
C615	25-BFA229-M11	CAP. ELEC 2.2 UF 50V +/-20%
C614	25-BFA229-M11	CAP. ELEC 2.2 UF 50V +/-20%
C613	26-ABC561-KZ1	CAP. CER 560 PF 50V +/-10% SL
C612	26-ABC561-KZ1	CAP. CER 560 PF 50V +/-10% SL
C611	26-ABC102-KB1	CAP. CER 1N PF 50V +/-10% B
C610	26-ABC102-KB1	CAP. CER 1N PF 50V +/-10% B
C609	25-BFB109-M11	CAP. ELEC 1 UF 50V +/-20%
C607	25-BEA221-M11	CAP. ELEC 220 UF 35V +/-20%
C606	25-BFB100-M11	CAP. ELEC 10 UF 50V +/-20%
C604	27-MBA104-J01	CAP. METAL P.E. 0.1 UF 50V 5%
C603	25-BDG102-M11	CAP. ELEC 1000 UF 25V +/-20%
C602	25-BFB479-M11	CAP. ELEC 4.7 UF 50V +/-20%
C601	25-BFA229-M11	CAP. ELEC 2.2 UF 50V +/-20%
C600	25-BCA101-M11	CAP. ELEC 100 UF 16V +/-20%
C414	26-ABC102-KB1	CAP. CER 1N PF 50V +/-10% B
C413	26-AIC221-KB1	CAP. CER 220 PF 500V +/-10% B
C412	25-BLA100-M11	CAP. ELEC 10 UF 250V +/-20%
C411	26-AIC681-KB1	CAP. CER 680 PF 500V +/-10% B
C409	26-AIM472-KB1	CAP. CER 4700 PF 500V +/-10% B
C407	26-AIK682-KB1	CAP. CER. 6800PF 500V +/-10%
C407	26-AIM682-KB1	CAP. CER 6800 PF 500V +/-10% B
C406	27-RHQ563-J01	CAP. PP 0.056 UF 400V +/-5%
C405	25-BJG101-M11	CAP. ELEC 100 UF 160V +/-20%
C404	26-AMK221-KB1	CAP. CER 220 PF 2KV +/-10% B
C403	26-ABC102-KB1	CAP. CER 1N PF 50V +/-10% B
C402	27-ALR762-J01	CAP. METAL PP 0.0076 UF 1.6KV
C401	27-RHR394-J01	CAP. PP 0.39 UF 400V +/-5%
C309	27-PBL124-J01	CAP. P.E. 0.12 UF 50V +/-5%
C308	25-BFB100-M11	CAP. ELEC 10 UF 50V +/-20%
C307	25-BFA479-M11	CAP. ELEC 4.7 UF 50V +/-20%
C306	25-BDG222-M11	CAP. ELEC 2200 UF 25V +/-20%
C305	27-PBA224-J01	CAP. P.E. 0.22 UF 50V +/-5%

SCHEMATIC NO.	PART #	DESCRIPTION
C303	25-BEA101-M11	CAP. ELEC 100 UF 35V +/-20%
C302	25-BEG222-M11	CAP. ELEC 2200 UF 35V +/-20%
C126	26-ABC330-JZ1	CAP. CER 33 PF 50V +/-5%
C124	25-BFB478-M11	CAP. ELEC 0.47 UF 50V +/-20%
C123	25-BCA470-M11	CAP. ELEC 47 UF 16V +/-20%
C122	26-ABC102-KB1	CAP. CER 1N PF 50V +/-10% B
C121	26-ABC103-ZF1	CAP. CER 0.01 UF 50V +80-20% F
C120	26-ABK150-JZ1	CAP. CER 15 PF 50V +/-5% SL
C119	25-BFB478-M11	CAP. ELEC 0.47 UF 50V +/-20%
C118	25-BCB100-M11	CAP. ELEC 10 UF 16V +/-20%
C117	26-ABC103-ZF1	CAP. CER 0.01 UF 50V +80-20% F
C116	27-PBC473-J01	CAP. P.E. 0.047 UF 50V +/-5%
C115	26-ABC103-ZF1	CAP. CER 0.01 UF 50V +80-20% F
C114	25-BFB478-M11	CAP. ELEC 0.47 UF 50V +/-20%
C113	25-BEA229-K31	CAP. TAN 2.2 UF 35V +/-10%
C112	26-ABC102-KB1	CAP. CER 1N PF 50V +/-10% B
C111	26-ABC102-KB1	CAP. CER 1N PF 50V +/-10% B
C109	26-ABC103-ZF1	CAP. CER 0.01 UF 50V +80-20% F
C108	26-ABC102-KB1	CAP. CER 1N PF 50V +/-10% B
C106	26-ABC103-ZF1	CAP. CER 0.01 UF 50V +80-20% F
C105	25-BCA221-M11	CAP. ELEC 220 UF 16V +/-20%
C104	25-BCB100-M11	CAP. ELEC 10 UF 16V +/-20%
C104	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C103	26-ABC103-ZF1	CAP. CER 0.01 UF 50V +80-20% F
C102	26-ABC103-ZF1	CAP. CER 0.01 UF 50V +80-20% F
C101	26-ABC103-ZF1	CAP. CER 0.01 UF 50V +80-20% F
C100	26-ABC103-ZF1	CAP. CER 0.01 UF 50V +80-20% F
C016	26-ABC470-JZ1	CAP. CER 47 PF 50V +/-5% SL
C015	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C014	27-MBA104-J01	CAP. METAL P.E. 0.1 UF 50V 5%
C013	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C012	25-BFB100-M11	CAP. ELEC 10 UF 50V +/-20%
C011	26-ABC101-JZ1	CAP. CER 100 PF 50V +/-5% SL
C010	26-ABA103-ZF1	CAP. CER 0.01 UF 50V +80-20% F
C009	26-ABC221-JZ1	CAP. CER 220 PF 50V +/-5% SL
C008	27-MBA104-J01	CAP. METAL P.E. 0.1 UF 50V 5%
C007	25-BEB228-M31	CAP. TAN 0.22 UF 35V +/-20%
C006	26-ABC470-JZ1	CAP. CER 47 PF 50V +/-5% SL
C005	26-ABC203-ZF1	CAP. CER 20N 50V +80-20% F
C004	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C003	25-BEB220-M11	CAP. ELEC 22 UF 35V +/-20%
C002	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C001	26-ABC203-ZF1	CAP. CER 20N 50V +80-20% F
	40-217791-0AY	P.C.B. MAIN BD
	47-107710-000	SOCKET SI-2471 14 PINS
	56-207930-0HA	KNOB POWER ON/OFF
	62-200930-0HA	SPACER TERMINAL BD
	62-215870-0UA	SPACER MOUNTING
	62-220620-0HA	TERMINAL BOARD
	63-B40200-AB2	S/T SCREW B 4 X 20 AB
	63-P35080-0B4	S/T SCREW P 3.5 X 8 B
	63-P35100-AB4	S/T SCREW P 3.5 X 10 AB
	63-P35140-AB4	S/T SCREW P 3.5 X 14 AB
	64-P30060-102	M/C SCREW P 3 X 6
	64-P30100-102	M/C SCREW P 3 X 10
	65-Z30050-23E	NUT M 3
	67-202330-0M4	BRACKET MAIN BD
	67-211690-0A0	HEAT SINK Q405 (2SD1555)
	67-213180-1A0	HEAT SINK IC 7812

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

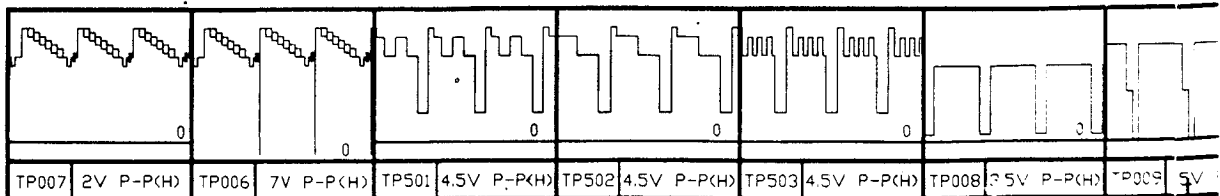
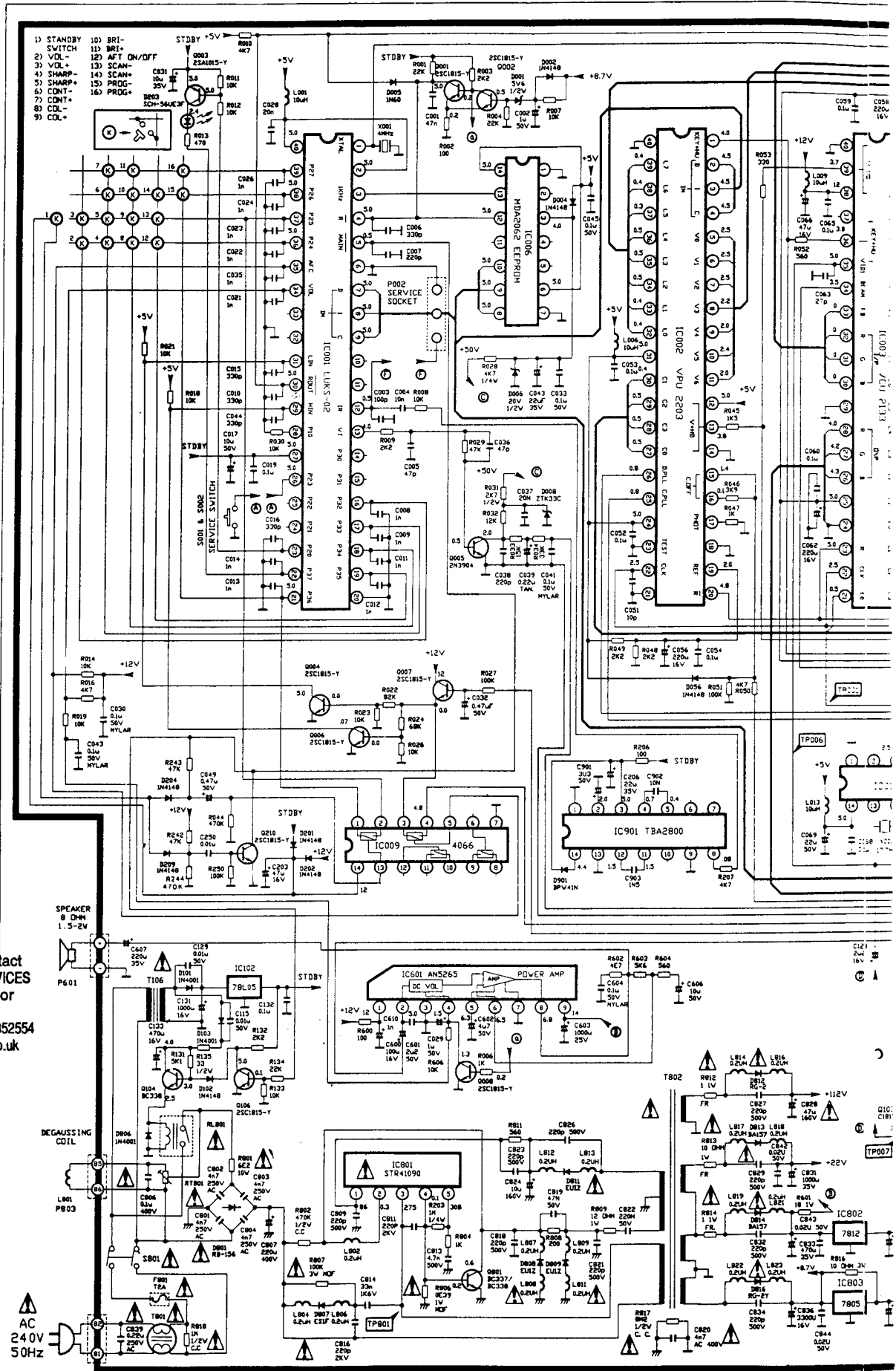
SCHEMATIC NO.	PART #	DESCRIPTION
08-218610-001 ASS'Y - CONTROL BD		
R210	18-CB0223-JN1	RES. C.F. 22K OHM 1/6W +/-5%
R209	18-CB0473-JN1	RES. C.F. 47K OHM 1/6W +/-5%
R208	18-CB0393-JB1	RES. C.F. 39K OHM 1/6W +/-5%
R207	18-CB0472-JN1	RES. C.F. 4.7K OHM 1/6W +/-5%
R206	18-CB0101-JN1	RES. C.F. 100 OHM 1/6W +/-5%
R205	18-CB0221-JN1	RES. C.F. 220 OHM 1/6W +/-5%
R204	18-CB0104-JN1	RES. C.F. 100K OHM 1/6W +/-5%
R203	18-CB0104-JN1	RES. C.F. 100K OHM 1/6W +/-5%
R202	18-CB0103-JN1	RES. C.F. 10K OHM 1/6W +/-5%
R201	18-CB0104-JN1	RES. C.F. 100K OHM 1/6W +/-5%
Q211	11-SC1815-YB1	TRANSISTOR 2SC1815Y
Q201	11-SA1015-YB1	TRANSISTOR 2SA1015-Y
D205	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D204	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D203	14-140482-LR2	LED SLH56UR3F
D202	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D201	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
C206	25-BEB220-M11	CAP. ELEC 22 UF 35V +/-20%
C202	25-BFB229-M11	CAP. ELEC 2.2 UF 50V +/-20%
C201	26-ABC203-ZF1	CAP. CER 20N 50V +80-20% F
	40-221731-0AA	PCB CONTROL BD
	40-221910-0FX	PCB KEY BD
	48-133312-000	SW. TACT EVQ-QS2-05K
	49-212980-000	RUBBER KEY PAD, 14 KEY
	62-205550-0HA	HOLDER LED
	62-211010-0HA	HOLDER RUBBER KEY PAD
	67-202310-0M2	BRACKET SUPPORTING
08-221280-001 ASS'Y - CRT BD		
VR501	20-202980-503	TRIMMER B50K VERT TYPE
S501	47-209730-000	SOCKET CRT HPS0360-01-030
R851	18-CD0561-JD1	RES. C.F. 560 OHM 1/4W +/-5%
R819	18-CD0201-JD1	RES. C.F. 200 OHM 1/4W +/-5%
R536	18-CD0103-JD1	RES. C.F. 10K OHM 1/4W +/-5%
R532	18-CD0183-JD1	RES. C.F. 18K OHM 1/4W +/-5%
R531	18-CD0392-JD1	RES. C.F. 3.9K OHM 1/4W +/-5%
R529	18-CD0103-JD1	RES. C.F. 10K OHM 1/4W +/-5%
R528	18-BE0102-JB1	RES. C.C. 1K OHM 1/2W +/-5%
R527	18-CD0561-JD1	RES. C.F. 560 OHM 1/4W +/-5%
R526	18-FG0183-JH1	RES. M.O. 18K OHM 2W +/-5%
R524	18-CD0152-JD1	RES. C.F. 1.5K OHM 1/4W +/-5%
R523	18-CD0392-JD1	RES. C.F. 3.9K OHM 1/4W +/-5%
R522	18-CD0104-JD1	RES. C.F. 100K OHM 1/4W +/-5%
R521	18-CD0472-JD1	RES. C.F. 4.7K OHM 1/4W +/-5%
R520	18-CD0220-JD1	RES. C.F. 22 OHM 1/4W +/-5%
R519	18-CD0103-JD1	RES. C.F. 10K OHM 1/4W +/-5%
R518	18-BE0102-JB1	RES. C.C. 1K OHM 1/2W +/-5%
R517	18-CD0561-JD1	RES. C.F. 560 OHM 1/4W +/-5%
R516	18-FG0183-JH1	RES. M.O. 18K OHM 2W +/-5%
R514	18-CD0152-JD1	RES. C.F. 1.5K OHM 1/4W +/-5%
R513	18-CD0392-JD1	RES. C.F. 3.9K OHM 1/4W +/-5%
R512	18-CD0104-JD1	RES. C.F. 100K OHM 1/4W +/-5%
R511	18-CD0472-JD1	RES. C.F. 4.7K OHM 1/4W +/-5%
R509	18-CD0103-JD1	RES. C.F. 10K OHM 1/4W +/-5%
R508	18-BE0102-JB1	RES. C.C. 1K OHM 1/2W +/-5%
R507	18-CD0561-JD1	RES. C.F. 560 OHM 1/4W +/-5%
R506	18-FG0183-JH1	RES. M.O. 18K OHM 2W +/-5%
R504	18-CD0152-JD1	RES. C.F. 1.5K OHM 1/4W +/-5%
R503	18-CD0392-JD1	RES. C.F. 3.9K OHM 1/4W +/-5%
R502	18-CD0104-JD1	RES. C.F. 100K OHM 1/4W +/-5%
R501	18-CD0472-JD1	RES. C.F. 4.7K OHM 1/4W +/-5%
Q517	11-A562TM-0A1	TRANSISTOR 2SA562TM-O
Q514	11-0BF423-0A1	TRANSISTOR BF423
Q513	11-SC2482-0A1	TRANSISTOR 2SC2482

SCHEMATIC NO.	PART #	DESCRIPTION
Q512	11-SC2068-0A1	TRANSISTOR 2SC2068
Q511	11-A562TM-0A1	TRANSISTOR 2SA562TM-O
Q509	11-0BF423-0A1	TRANSISTOR BF423
Q508	11-SC2482-0A1	TRANSISTOR 2SC2482
Q507	11-SC2068-0A1	TRANSISTOR 2SC2068
Q506	11-A562TM-0A1	TRANSISTOR 2SA562TM-O
Q504	11-0BF423-0A1	TRANSISTOR BF423
Q503	11-SC2482-0A1	TRANSISTOR 2SC2482
Q502	11-SC2068-0A1	TRANSISTOR 2SC2068
Q501	11-A562TM-0A1	TRANSISTOR 2SA562TM-O
L513	34-R100K2-1C1	COIL CHOKE 10 UH +/-10%
L512	34-R101K2-1B1	COIL CHOKE 100 UH +/-10%
D517	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D513	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D512	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D511	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D509	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D508	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D507	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D506	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D504	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D503	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D502	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
D501	10-1N4148-AB1	DIODE 1N4148 (SWITCHING)
C513	26-AMK102-KB1	CAP. CER 1000 PF 2KV +/-10% B
C511	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C510	25-BCA220-M11	CAP. ELEC 22 UF 16V +/-20%
C508	25-BCA470-M11	CAP. ELEC 47 UF 16V +/-20%
C507	26-ABA222-JZ1	CAP. CER 2200 PF 50V +/-5% SL
C505	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C504	26-ABA222-JZ1	CAP. CER 2200 PF 50V +/-5% SL
C502	26-ABA222-JZ1	CAP. CER 2200 PF 50V +/-5% SL
	40-218950-0AA	P.C.B. CRT BD
08-221290-001 ASS'Y - POWER BD		
T802	36-218340-00A	TRANSFORMER CONVERTER
T801	36-132781-B0B	FILTER AC LINE
RT801	22-000960-092	POSISTOR 2322-662-96009
R841	18-BE0825-JN1	RES. C.C. 8.2M OHM 1/2W +/-5%
R821	18-FG0120-JG1	RES. M.O. 12 OHM 2W +/-5%
R813	18-DF0398-JG1	RES. M.F. 0.39 OHM 1W +/-5%
R812	18-FH0104-JI1	RES. M.O. 100K OHM 3W +/-5%
R811	18-BE0474-JB1	RES. C.C. 470K OHM 1/2W +/-5%
R808	18-CD0104-JD1	RES. C.F. 100K OHM 1/4W +/-5%
R807	18-CD0102-JD1	RES. C.F. 1K OHM 1/4W +/-5%
R802	18-GM0339-JT1	RES. CEMENT 3.3 OHM 7W +/-5%
R801	18-BE0105-JB1	RES. C.C. 1M OHM 1/2W +/-5%
Q801	11-0BC338-0B1	TRANSISTOR BC338-40
L843	34-R220K2-1C1	COIL CHOKE 22 UH +/-10%
L842	34-R220K2-1C1	COIL CHOKE 22 UH +/-10%
L840	35-142210-000	FERR. BEAD 0.2 UH
L839	35-142210-000	FERR. BEAD 0.2 UH
L838	35-142210-000	FERR. BEAD 0.2 UH
L837	35-142210-000	FERR. BEAD 0.2 UH
L836	35-142210-000	FERR. BEAD 0.2 UH
L835	35-142210-000	FERR. BEAD 0.2 UH
L834	34-R101K2-1B1	COIL CHOKE 100 UH +/-10%
L833	35-142210-000	FERR. BEAD 0.2 UH
L832	35-142210-000	FERR. BEAD 0.2 UH
L831	35-142210-000	FERR. BEAD 0.2 UH
L821	35-142210-000	FERR. BEAD 0.2 UH
L820	35-142210-000	FERR. BEAD 0.2 UH
L819	35-142210-000	FERR. BEAD 0.2 UH
L818	35-142210-000	FERR. BEAD 0.2 UH
L817	35-142210-000	FERR. BEAD 0.2 UH
L816	35-142210-000	FERR. BEAD 0.2 UH
L815	35-142210-000	FERR. BEAD 0.2 UH
L814	35-142210-000	FERR. BEAD 0.2 UH
L813	35-142210-000	FERR. BEAD 0.2 UH

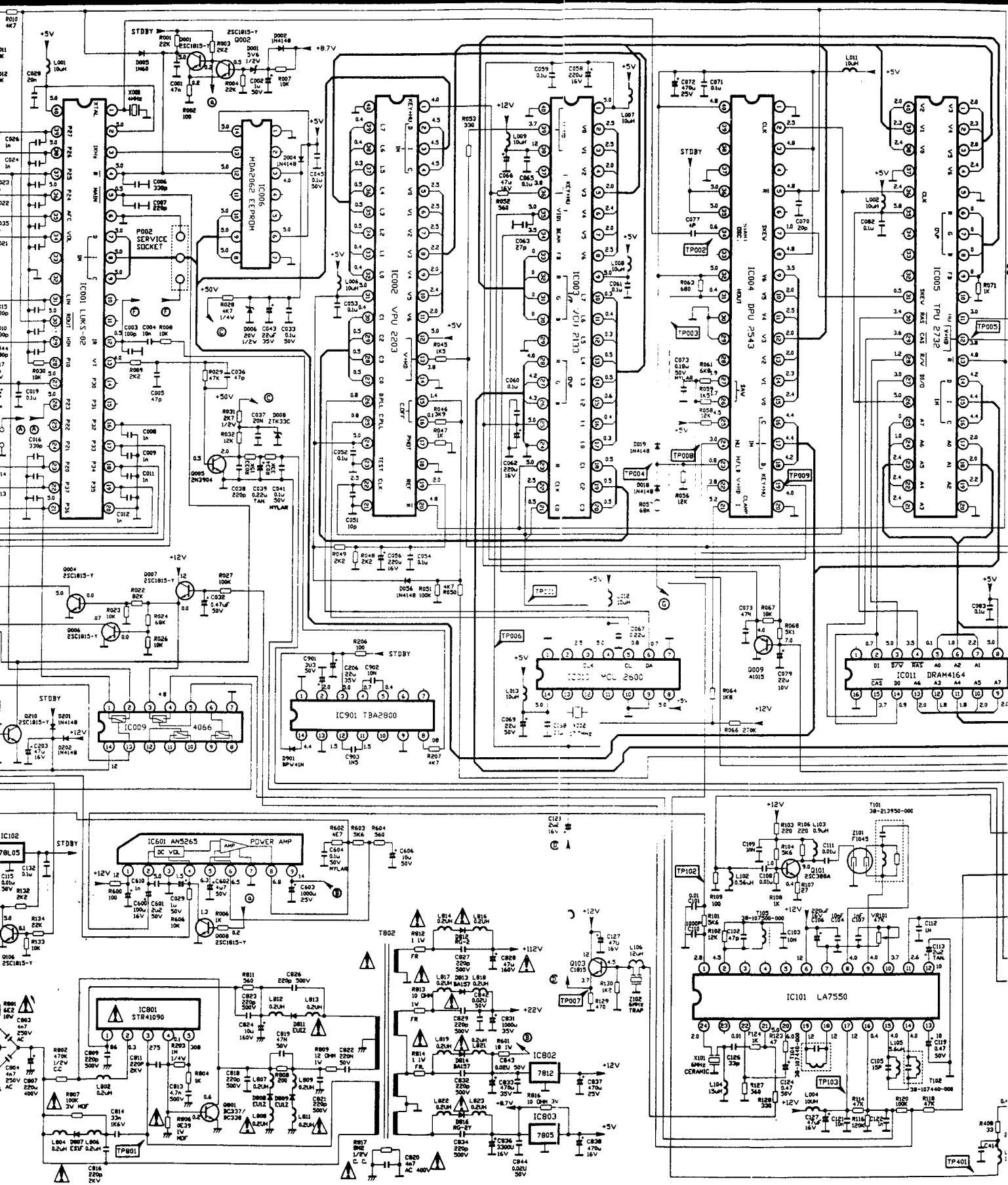
SCHEMATIC NO.	PART #	DESCRIPTION
L812	35-142210-000	FERR. BEAD 0.2 UH
L811	35-142210-000	FERR. BEAD 0.2 UH
IC801	13-STR410-90S	IC STR41090
F801	50-02000D-10S	FUSE 2.0AT 250VAC 5 X 20MM
D837	10-00RG2Y-E01	DIODE RG2Y
D835	10-0BA157-EB1	DIODE BA157 (FAST RECOVERY)
D833	10-0BA157-EB1	DIODE BA157 (FAST RECOVERY)
D831	10-000RG2-EB1	DIODE RG2 (FAST RECOVERY)
D820	10-00EU1Z-EB1	DIODE EU1Z (FAST RECOVERY)
D819	10-00EU1Z-EB1	DIODE EU1Z (FAST RECOVERY)
D817	10-00EU1Z-EB1	DIODE EU1Z (FAST RECOVERY)
D814	10-00RU1P-E01	DIODE RU1P
D800	10-BV406M-E01	DIODE RBV406M
C851	26-AIC221-KB1	CAP. CER 220 PF 500V +/-10% B
C844	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C843	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C842	26-ABA104-ZF1	CAP. CER 0.1 UF 50V +80-20% F
C841	26-AHK472-MF1	CAP. CER 4700PF 400V +/-20% AC
C838	25-BCA102-M11	CAP. ELEC 1000 UF 16V +/-20%
C837	26-AIC221-KB1	CAP. CER 220 PF 500V +/-10% B
C836	25-BDF471-M11	CAP. ELEC 470 UF 25V +/-20%
C835	26-AIC221-KB1	CAP. CER 220 PF 500V +/-10% B
C834	25-BEA102-M11	CAP. ELEC 1000 UF 35V +/-20%
C833	26-AIC221-KB1	CAP. CER 220 PF 500V +/-10% B
C832	25-BJG101-M11	CAP. ELEC 100 UF 160V +/-20%
C831	26-AIC221-KB1	CAP. CER 220 PF 500V +/-10% B
C830	26-AIA102-KB1	CAP. CER 1N 500V +/-10% B
C824	26-AIA222-KB1	CAP. CER 2200 PF 500V +/-10% B
C823	27-PBA104-J01	CAP. P.E. 0.1 UF 50V +/-5%
C821	25-BJA100-M11	CAP. ELEC 10 UF 160V +/-20%
C820	26-AIC221-KB1	CAP. CER 220 PF 500V +/-10% B
C819	27-PBC473-J01	CAP. P.E. 0.047 UF 50V +/-5%
C818	26-AIC221-KB1	CAP. CER 220 PF 500V +/-10% B
C817	26-AIC221-KB1	CAP. CER 220 PF 500V +/-10% B
C816	26-AMK221-KB1	CAP. CER 220 PF 2KV +/-10% B
C815	26-AMK221-KB1	CAP. CER 220 PF 2KV +/-10% B
C814	26-AKK331-KB1	CAP. CER 330 PF 1KV +/-10% B
C813	26-AMK221-KB1	CAP. CER 220 PF 2KV +/-10% B
C812	27-ALV333-J01	CAP. METAL PP 0.033 UF 1.6KV
C811	25-BMJ221-M11	CAP. ELEC 220 UF 400V +/-20%
C808	26-AQK472-ZF1	CAP.CER 4700PF 250VAC +80-20%F
C807	26-AQK472-ZF1	CAP.CER 4700PF 250VAC +80-20%F
C806	26-AQK472-ZF1	CAP.CER 4700PF 250VAC +80-20%F
C805	26-AQK472-ZF1	CAP.CER 4700PF 250VAC +80-20%F
C804	27-MHL104-K01	CAP. METAL P.E. 0.1UF 400V 10%
C801	27-MQT224-K01	CAP. MET PE 0.22UF 250VAC 10%
	40-219360-0AA	P.C.B. POWER BD
	51-CC0219-0CA	POWER CORD -AC BS6500
	62-208040-0UA	BRACKET - POWER BD.
	63-B30080-0B4	S/T SCREW B 3 X 8 B
	63-P35100-AB4	S/T SCREW P 3.5 X 10 AB
	64-P30120-102	M/C SCREW P 3 X 12
	65-E33055-07M	SPRING WASHER 3.3 X 5.5 X 0.7
	65-Z30050-23M	NUT M 3
	66-111640-0B0	BRASS EYELET 2 X 4
	66-205160-0B8	FUSE HOLDER
	67-219140-0A0	HEAT SINK POWER
	71-113900-0A2	LABEL POWER CORD
08-221620-000 ASS'Y - FRONT CABINET		
	36-204120-000	COIL DEGAUSSING 2450 +/-20MM
	44-213720-000	CRT 54CM FST A51ECQ00X01
	48-203010-000	SW. DOOR LOCK PR3
	54-205140-000	SPACER CRT MOUNTING
	55-20596P-0HA	CABINET FRONT
	55-20796X-1HA	DOOR FRONT
	55-211000-0HA	PANEL CONT. DIGITAL
	56-207930-0HA	KNOB POWER ON/OFF
	56-20797S-0HC	LENS FRONT
	56-208000-0HA	PUSH BUTTON

SCHEMATIC NO.	PART #	DESCRIPTION
	58-13461S-001	LOGO
	58-20560S-1HI	INLAY CONT. PANEL
	58-20896S-1UI	INLAY FRONT LENS
	59-130460-000	RUBBER PAD 25MMX5.5MM
	59-219270-000	RUBBER PAD - 15 X 30 X 9MM
	62-200980-0HA	MOUNTING POST
	62-200990-0HA	CABINET SIDE CATCHER
	63-B30080-BT4	S/T SCREW B 3 X 8 BT
	63-B50250-AB4	S/T SCREW B 5 X 25 AB
	63-P40150-AB4	S/T SCREW P 4 X 15 AB
	65-C52200-16E	WASHER EXTERNAL TOOTH
	67-126680-0E0	SPRING CRT 6 X 40 X 0.5 MM
08-221610-001 ASS'Y - REAR CABINET		
W661	42-127522-000	SPEAKER 7.6 X 12.7CM 8 OHM 2W
	55-205970-0HA	CABINET REAR
	56-208020-0HA	PANEL LEFT SPEAKER
	56-208030-0HA	PANEL RIGHT SPEAKER
	58-11484S-0HI	PLATE MODEL NO.
	58-22064S-6UI	INLAY TERMINAL BD
	59-130460-000	RUBBER PAD 25MMX5.5MM
	63-B40200-AB2	S/T SCREW B 4 X 20 AB
	63-P35120-AB4	S/T SCREW P 3.5 X 12 AB
	63-W30100-AB2	S/T SCREW W 3 X 10 AB
	64-B30120-102	M/C SCREW B 3 X 12
	67-134480-2E2	NUT INSERTING
	67-20897P-0E0	GRILLE SPEAKER
08-221630-003 ASS'Y - PACKING		
	70-218960-AE0	OPERATING MANUAL
	74-022032-6WE	POLYBAG 22 X 32CM
	75-208980-C00	POLYFOAM CAP UPPER L
	75-208990-C00	POLYFOAM CAP UPPER R
	75-209000-C00	POLYFOAM CAP LOWER L
	75-209010-C00	POLYFOAM CAP LOWER R
	76-20902X-02A	CARTON BOX
08-221920-001 ASS'Y - AV SECTION		
R1341	18-CD0102-JD1	RES. C.F. 1K OHM 1/4W +/-5%
R1305	18-CD0102-JD1	RES. C.F. 1K OHM 1/4W +/-5%
R1304	18-CD0820-JD1	RES. C.F. 82 OHM 1/4W +/-5%
	40-203871-0AA	P.C.B. AV BD
	47-142620-000	RCA JACK BD 4P
	63-F30100-BT2	S/T SCREW F 3 X 10 BT
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		

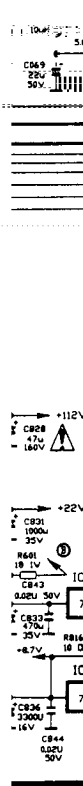
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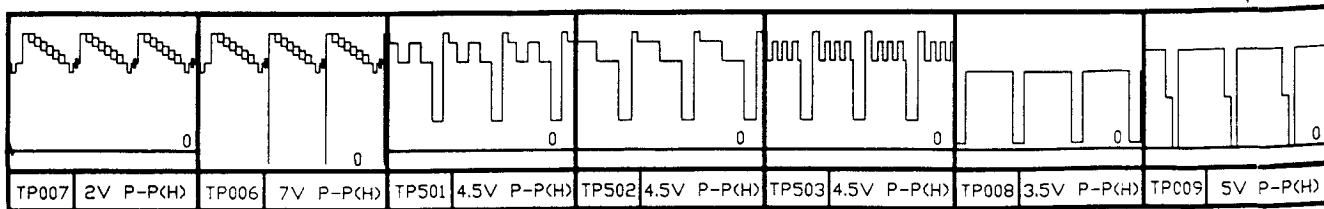
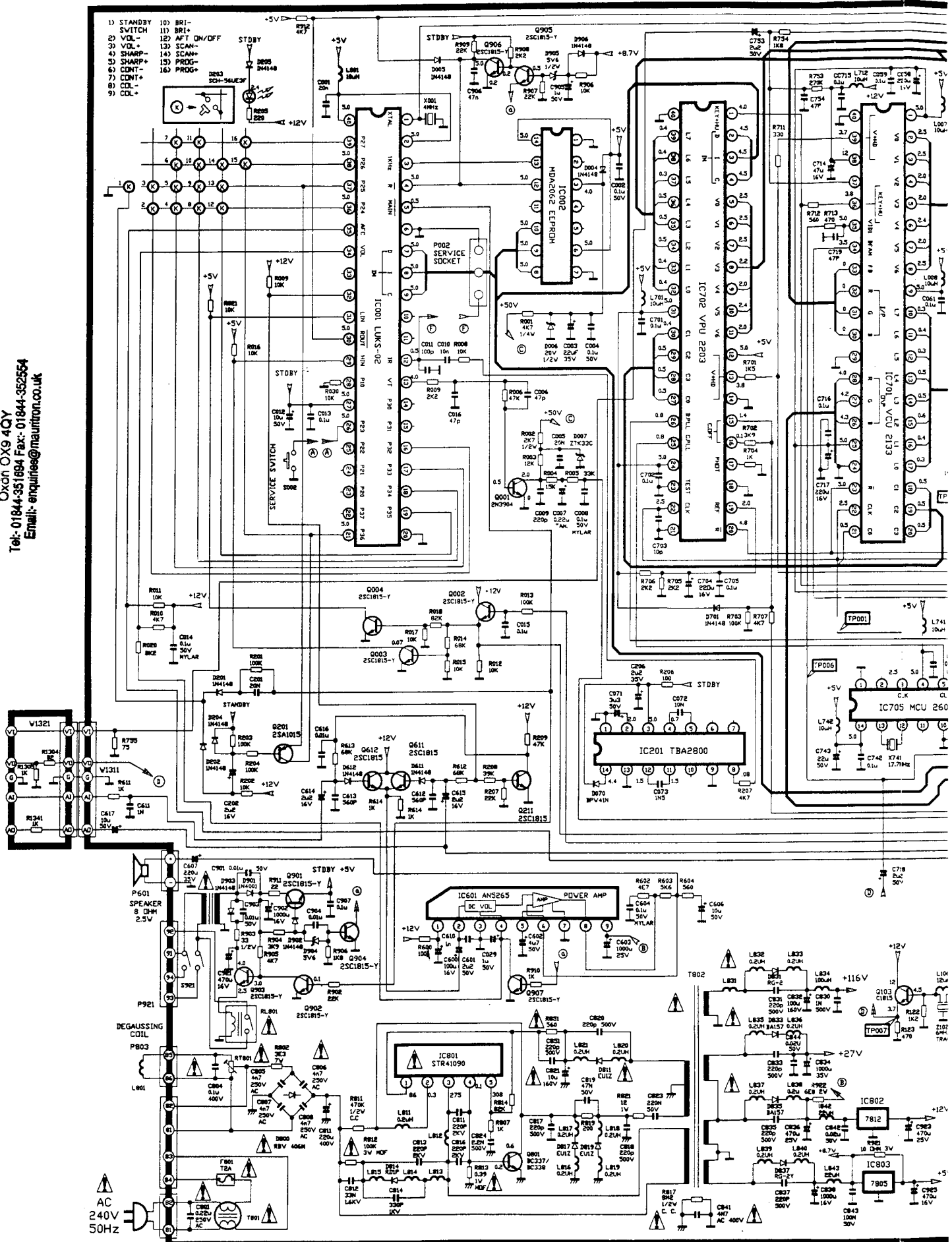
MAIN BOARD CX12

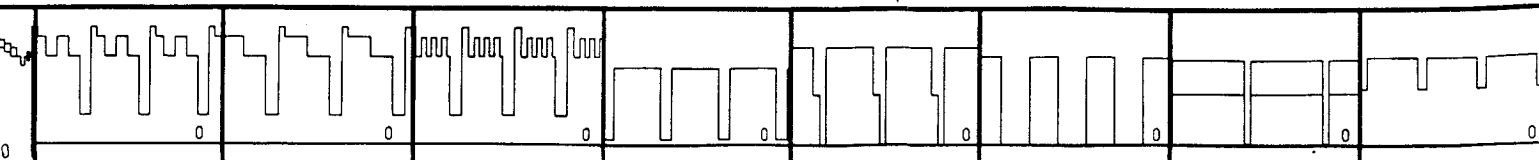


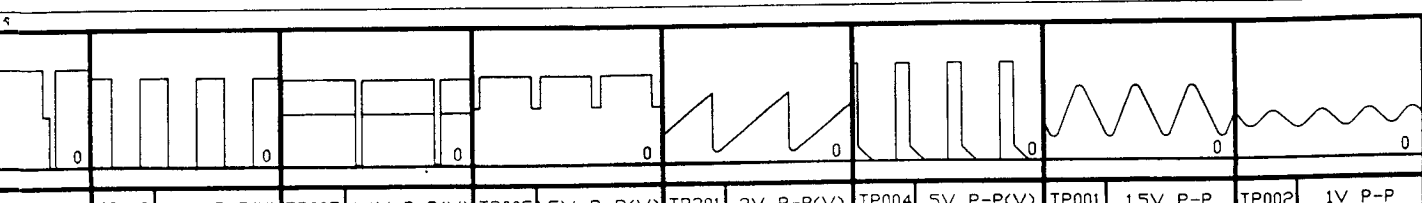
TP501	4.5V	P-P(KH)	TP502	4.5V	P-P(KH)	TP503	4.5V	P-P(KH)	TP008	7.5V	P-P(KH)	TP009	5V	P-P(KH)	TP003	4.5V	P-P(KH)	TP005	4.4V	P-P(KH)	TP005	1.5V	P-P(KH)	TP
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