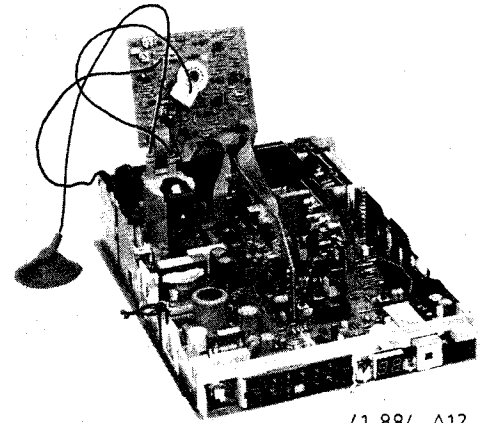


Service
Service
Service

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



41 884 A12

Service Manual

TECHNICAL DATA

Mains voltage : 220-240 V ~ (± 10%)
Aerial input impedance : 75 Ω - coax
Minimum aerial input VHF : 30 μV
Minimum aerial input UHF : 40 μV
Maximum aerial input : 100 mV

Pull-in range colour sync : +300 Hz/-300 Hz
Pull-in range horizontal sync : +600 Hz/-600 Hz
Pull-in range vertical sync : +5 Hz/-5 Hz

CONTENTS

	Page		Page
Technical data	1	Diagram mute panel	9
Warnings	2	Print lay out picture tube panel	9
Remarks	2	Print lay out mute panel	9
Mechanical instructions	3	Print lay out carrier panel	9, 10
Electrical instructions	3	Diagram teletext decoder	11
Survey of panels	3	Print lay out teletext decoder	12
Partslist carrier panel	4	Partslist teletext decoder	12
Partslist picture tube panel	4	Faultfinding tree E,F	13, 14
Partslist mute panel	4	Bus faults teletext decoder	15
Wiring diagram	5	Fault diagnosis control system	15
Diagram A	6	SECAM/PAL transcoder	16
Diagram B	7	Symbols used in faultfinding tree	17
Diagram C	8	Symbols used in diagrams	18

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

Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified be used.

Documentation Technique Service Dokumentation Documentazione di Servizio Huolto-Ohje Manual de Servicio Manual de Servicio

Subject to modification

GB 4822 727 15947


Printed in The Netherlands

© Copyright reserved

Published by
Service Consumer Electronics

CS 8 414GB

WARNINGS

1. Safety regulations demand that the set be restored to its original condition and that components identical to the original types be used.
Safety components are marked by the symbol .
2. In order to preclude damage to ICs and transistors flashover of the EHT should be avoided.
To prevent damage to the picture tube, the method indicated in fig. 1 should be followed in case of discharge.
Make use of a high-tension probe and a universal meter (mode DC-V).
Discharge until the meter reads 0 Volts (after approx 30 s).

3. ESD



All ICs and many other semi-conductors are susceptible to electrostatic discharges (ESD). Careless handling during repair can reduce life drastically.

When repairing, make sure that you are connected with the same potential as the mass of the set via a wrist wrap with resistance.

Keep components and tools also at this potential.

4. Together with the deflection unit and the possible multipole unit the flat square picture tubes applied form one whole. The deflection and multipole units have been adjusted in an optimum way in the factory. Adjustment of these units during repair is thus not recommended.
5. A set to be repaired should always be connected to the mains via a suitable isolating transformer.
6. Proceed with care when testing the EHT section and the picture tube.
7. Never replace any modules or other parts while the set is switched on.
8. Wear safety goggles during replacement of the picture tube.
9. Use plastic instead of metal alignment tools.
This is in order to preclude short-circuits or to prevent a specific circuit from being rendered unstable.
10. On chassis versions up to and including issue number 3 the wires of the connecting cables are at both sides connected to the same pin numbers. This contrary to cables used in chassis versions having a higher issue number and in other types of sets.
Exchange of cables of chassis versions up to and including issue number 3 by cables of versions having a higher issue number or cables from different types of sets is thus not allowed.

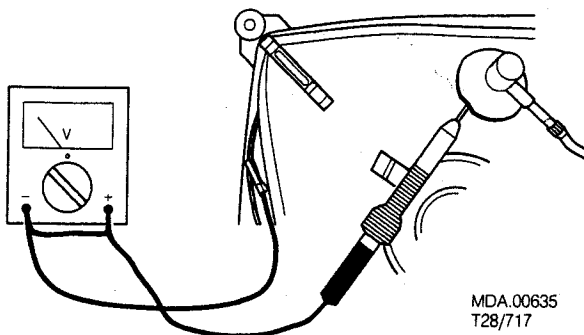


Fig. 1

MDA.00635
T28/717

REMARKS

1. In case of faultfinding and/or repairs on the modules the accessibility of circuits and components can be enlarged by making use of extension PCBs.
The ordering numbers for these extension PCBs are:
4-fold 4822 395 30262
5-fold 4822 395 30261
6-fold 4822 395 30259
8-fold 4822 214 31402
2. The direct voltages and waveforms should be measured relative to the nearest earthing point on the p.c. board.
3. The direct voltages should be measured as follows:
Do not apply an aerial signal. Adjust receiver for minimum brightness, maximum saturation and contrast.
4. The waveforms should be measured under the following conditions:
 - a. Use a colour-bar pattern as input signal. (PM5519).
 - b. Connect an oscilloscope (0,1 V/div.-DC) to point 5 of IC7260 via an 10:1 attenuator probe.
Set the saturation control to obtain 2,6V d.c..

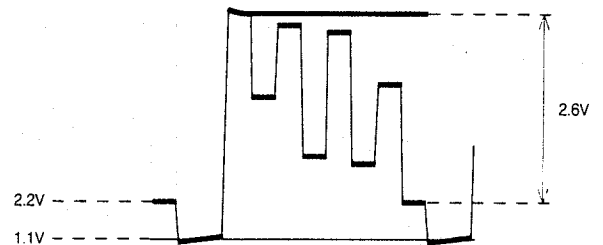


Fig. 2

MDA 00683
T27-721

- c. Connect the oscilloscope to point 17 of IC7260.
 - d. Set the brightness control so that the level of the black bar in the video signal is situated at 2,2V (see Fig. 2).
 - e. Set the contrast control for a video signal amplitude of 2,6 V.
5. The CRT board is provided with printed spark gaps. Each spark gap is arranged between an electrode of the CRT and the aquadag coating.
 6. In the production alternative semi-conductors may be used.
However the semi-conductors specified in the parts list and circuit diagram can always be used as replacements.
 7. Connectors used for the modules (board to board) have been gold-plated and must be replaced by the same type only.

MECHANICAL INSTRUCTIONS

1. To facilitate troubleshooting and repairing the set the chassis can be pulled out of the cabinet and placed against the right-hand side of the set.
2. After prizing up the clamping ring K with a screwdriver or side-cutting pliers the EHT and focus cable may be pulled off the line output transformer (see Fig. 3). When refitting the cable first press the clamping ring onto the transformer until a click is heard; after this the cable may be pressed in place. Make sure that the cable is pressed down well.

ELECTRICAL ADJUSTMENTS

A. ADJUSTMENTS TO THE MAIN PANEL (Fig. 4)

1. +140V power supply voltage

Connect a voltmeter (DC) between pin 5 of connector R13 and ground. Adjust 3670 for a voltage of $142V \pm 1\%$.

2. Horizontal synchronisation

Remove the screening cap of IF/SYNC unit 1001. Apply an aerial signal. Interconnect points 5 and 9 of item 7038 (IF/SYNC unit). Adjust 3055 until the picture is stationary. Remove the interconnection. Locate the screening cap.

3. Horizontal centring

This is adjusted with 3038 (IF/SYNC unit).

4. Vertical centring

This is adjusted with 1566.

5. Picture height

The picture height is adjustable with 3576.

6. Focussing

This is adjusted with the focussing potentiometer on the line output transformer (fig. 3).

7. V_{G2} adjustment

Adjust for minimum brightness and contrast for. Apply a black frame signal. Connect an oscilloscope to the Red cathode and the Green cathode of the picture tube. Adjust with the G2 potentiometer on the line output transformer (see Fig. 3) the black level for 130V for the lowest of the two cathodes.

8. Chroma subcarrier oscillator

Apply a colour-bar pattern. Interconnect points 24 and 25 of IC7260. Connect a 470Ω resistor between points 5 and 1 of IC7260. Adjust 2267 so that colour pattern on the screen is practically stationary. Remove the resistor and the interconnection.

9. PAL delay line

Apply a generator signal from a PM5509 or PM5519. Set the generator to "DEM". Set contrast and brightness to normal and set the saturation control to 3/4 of its range. Adjust 3280 so that the venetian-blinds effect in the 3rd bar is minimal. Subsequently, adjust 5270 until the venetian-blinds effect in de 1st and the 4th bar is also minimal. Readjust 3280 if necessary.

10. Chroma trap in the luminance circuit

Use a colour-bar pattern and set the receiver controls to their normal settings. Connect an oscilloscope to point 8 of IC7260 and adjust 5261 for minimum amplitude of the chrominance signal which is situated on the various brightness steps of the luminance signal.

11. RF-AGC

If the picture of a strong local transmitter is reproduced distorted, adjust potentiometer 3092 on IF/SYNC unit 1001, until the picture is no longer distorted. To achieve this the screening cap of the IF/SYNC unit has to be removed.

B. ADJUSTMENTS TO THE CRT BOARD

1. Picture width

The picture width is adjustable with 3591.

2. East-West correction

Is adjusted with 3592.

C. ADJUSTMENTS TO THE CCT DECODER

1. Connect pin 22 of IC7785 to ground. Adjust 2802 for a free-running frequency of $6.010 \text{ MHz} \pm 2.5 \text{ kHz}$ at pin 17 of IC7785.

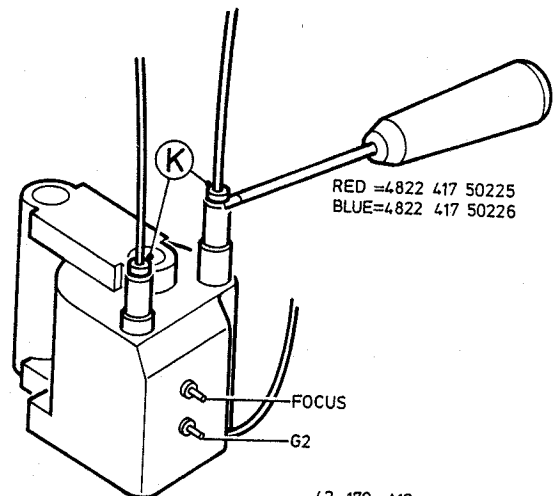


Fig. 3

42 170 A12

1070 CARRIER PANEL

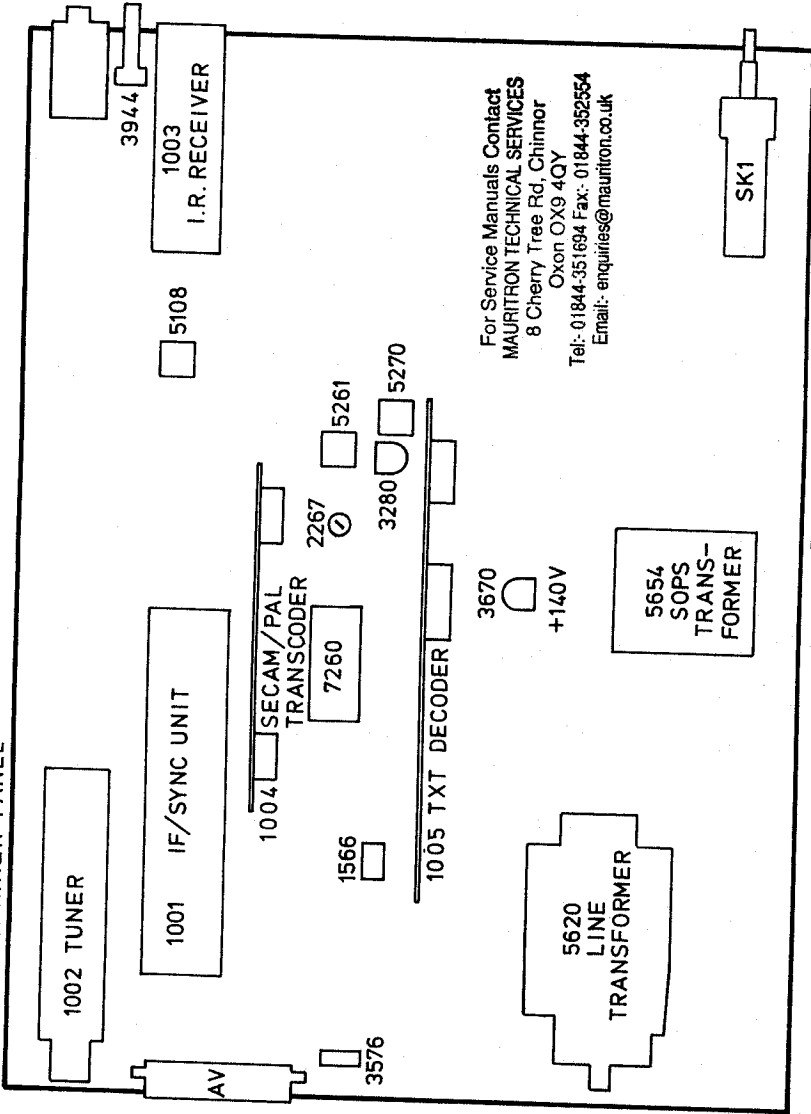


Fig. 4

1001 IF/SYNC UNIT

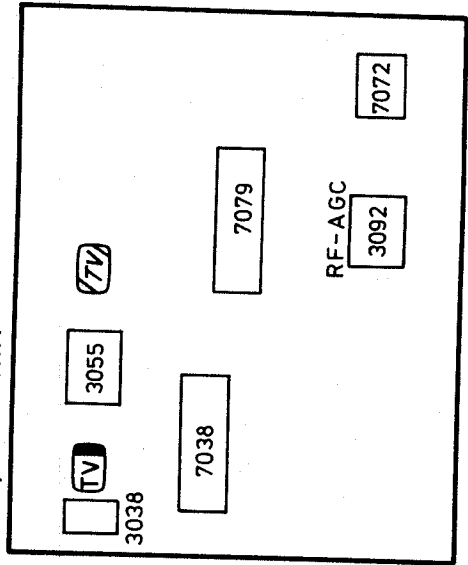


Fig. 5

1005 TELETEXT DECODER

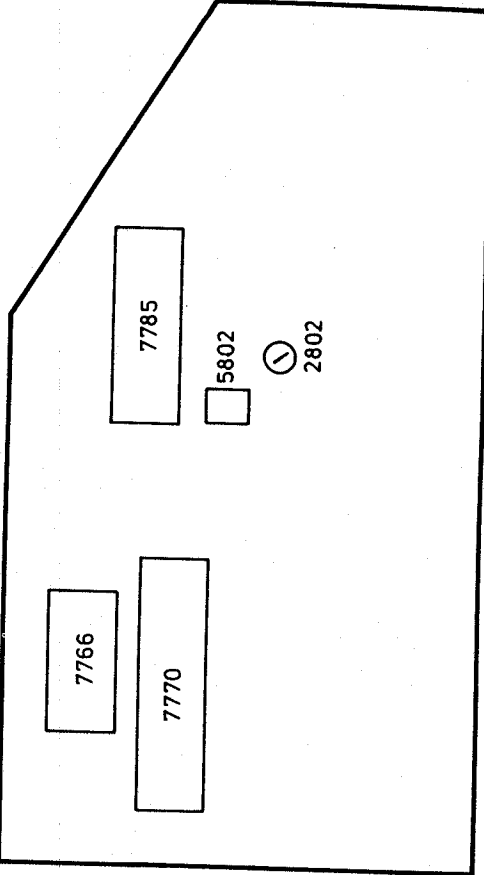


Fig. 7

1003 PICTURE TUBE/E-W PANEL

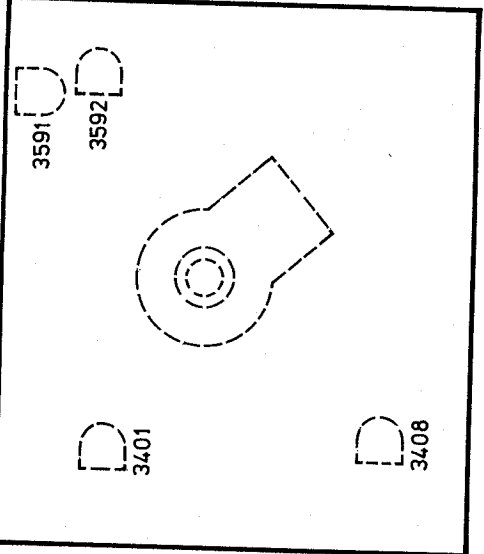







Fig 6







CARRIER PANEL

						
CNX62	4822 130 90121	5108	4822 157 53064			21
HCF4053BE	4822 209 71749	5109	4822 157 53064			21
LA7910	4822 209 10892	5259	4822 157 52287			22
LN524RAP	4822 130 90388	5260	4822 157 53065			25
L7812CV	5322 209 86176	5260	4822 157 52265	for amtsblatt		25
TDA3562A/N5	4822 209 71751	5261	4822 157 52807			26
TDA8190	4822 209 70872	5262	4822 157 53093			26
TEA1039/N4	4822 209 83104	5270	4822 157 52808			26
TMP47C432AP	4822 209 72038	5271	4822 157 52055			26
		5608	4822 157 53069			26
		5611	4822 150 50073			26
		5620	4822 140 10325	line output		26
		5629	4822 140 10324	line driver		26
BC328	4822 130 44104	5653	4822 157 53068			26
BC337	4822 130 40855	5654	4822 148 60165	SOPS		26
BC337-40	4822 130 41344					26
BC368	5322 130 44647	5655	4822 157 51195			26
BC547C	4822 130 44503	5656	4822 157 51157			27
BC548	4822 130 40938	5658	4822 157 51195			29
BC548B	4822 130 40937	5659	4822 157 53062			29
BC548C	4822 130 44196					
BC558	4822 130 40941					
BD227	5322 130 44661					
BD437	4822 130 40982	3102	4822 111 30499	4.7 Ω	0.33W	16:
BD438	4822 130 40995	3280	4822 100 20148	1 kΩ	potm.	16:
BUT11AF	4822 130 42679	3283	4822 111 30593	3.3 Ω	0.33W	16:
BU508A	4822 130 42164	3570	4822 116 51166	8.2 kΩ	2.5W	
		3571	4822 111 30821	3.9 Ω	0.5W	
		3576	4822 101 10818	100 Ω	potm.	
		3610	4822 116 30323	150 kΩ	NTC	
BYD33D	4822 130 42488	3628	4822 111 30504	6.8 Ω	0.33W	10.
BYD33G	4822 130 42489	3653	4822 116 40065		PTC	111
BYD33J	4822 130 42606	3656	4822 116 80288	100 kΩ	2W	12:
BYV26C	4822 130 32343					131
BYV95A	4822 130 41601	3657	4822 115 10094	1.5 kΩ	7W	141
BYV95B	4822 130 41486	3660	4822 113 80429	0.1 Ω	2W	
BY228	4822 130 41275	3667	5322 116 54272	1.5 kΩ	2.5W	15:
BZX79-C3V9	4822 130 31981	3670	4822 100 10361	100 Ω	potm.	161
BZX79-C4V7	4822 130 34174	3672	4822 111 30483	1 Ω	0.33W	18:
BZX79-C5V6	4822 130 34173					19:
BZX79-C6V2	4822 130 80303	3875	4822 111 30593	3.3 Ω	0.33W	20:
CQS51-4	4822 130 80309	3944	4822 101 10819	50 kΩ	potm.	21:
ZTK33B	4822 130 30959					
1N4148-75	4822 130 33939					
1N5061	4822 130 31933					

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

CARRIER PANEL

CARRIER PAN

							
 CNX62 4822 130 90121 HCF4053BE 4822 209 71749 LA7910 4822 209 10892 LN524RAP 4822 130 90388 L7812CV 5322 209 86176 TDA3562A/N5 4822 209 71751 TDA8190 4822 209 70872 TEA1039/N4 4822 209 83104 TMP47C432AP 4822 209 72038		5108	4822 157 53064			2113	
		5109	4822 157 53064			2123	
		5259	4822 157 52287			2267	
		5260	4822 157 53065			2521	
		5260	4822 157 52265	for armtsblatt		2526	
		5261	4822 157 52807			2610	
		5262	4822 157 53093			2611	
		5270	4822 157 52808			2619	
		5271	4822 157 52055			2621	
		5608	4822 157 53069			2652	
 BC328 4822 130 44104 BC337 4822 130 40855 BC337-40 4822 130 41344 BC368 5322 130 44647 BC547C 4822 130 44503 BC548 4822 130 40938 BC548B 4822 130 40937 BC548C 4822 130 44196 BC558 4822 130 40941 BD227 5322 130 44661		5611	4822 150 50073			2656	
		5620	4822 140 10325	line output		2663	
		5629	4822 140 10324	line driver		2668	
		5653	4822 157 53068			2670	
		5654	4822 148 60165	SOPS		2672	
		5655	4822 157 51195			2673	
		5656	4822 157 51157			2735	
		5658	4822 157 51195			2934	
		5659	4822 157 53062			2935	
 BD437 4822 130 40982 BD438 4822 130 40995 BUT11AF 4822 130 42679 BU508A 4822 130 42164		3102	4822 111 30499	4.7 Ω	0.33W	1652	
		3280	4822 100 20148	1 kΩ	potm.	1653	
		3283	4822 111 30593	3.3 Ω	0.33W	1654	
		3570	4822 116 51166	8.2 kΩ	2.5W		
		3571	4822 111 30821	3.9 Ω	0.5W		
 3YD33D 4822 130 42488 3YD33G 4822 130 42489 3YD33J 4822 130 42606 3YV26C 4822 130 32343 3YV95A 4822 130 41601 3YV95B 4822 130 41486 3Y228 4822 130 41275 3ZX79-C3V9 4822 130 31981 3ZX79-C4V7 4822 130 34174 3ZX79-C5V6 4822 130 34173 3ZX79-C6V2 4822 130 80303 QS51-4 4822 130 80309 TK33B 4822 130 30959 N4148-75 4822 130 33939 N5061 4822 130 31933		3576	4822 101 10818	100 Ω	potm.		
		3610	4822 116 30323	150 kΩ	NTC		
		3628	4822 111 30504	6.8 Ω	0.33W		
		3653	4822 116 40065		PTC		
		3656	4822 116 80288	100 kΩ	2W	10J	4
		3657	4822 115 10094	1.5 kΩ	7W	11B	4
		3660	4822 113 80429	0.1 Ω	2W	12G	4
		3667	5322 116 54272	1.5 kΩ	2.5W	13R	4
		3670	4822 100 10361	100 Ω	potm.	14R	4
		3672	4822 111 30483	1 Ω	0.33W	15G	4
		3875	4822 111 30593	3.3 Ω	0.33W	16R	4
		3944	4822 101 10819	50 kΩ	potm.	18G	4
						19G	4
						20G	4
						21G	4

CARRIER PANEL

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

for amtsblatt


line output
 line driver








SOPS

- 4.7 Ω 0.33W
- 1 kΩ potm.
- 3.3 Ω 0.33W
- 8.2 kΩ 2.5W
- 3.9 Ω 0.5W
- 100 Ω potm.
- 150 kΩ NTC
- 6.8 Ω 0.33W
- PTC
- 100 kΩ 2W
- 1.5 kΩ 7W
- 0.1 Ω 2W
- 1.5 kΩ 2.5W
- 100 Ω potm.
- 1 Ω 0.33W
- 3.3 Ω 0.33W
- 50 kΩ potm.








					
2113	4822 124 41334	470 μF 35 V	10J	4822 290 60626	2P
2123	4822 124 40435	10 μF 50 V	11B	4822 267 40653	2P
2267	4822 125 50045	20 pF trimm.	12G	4822 265 30273	3P
2521	4822 124 40434	22 μF 35V	13R	4822 267 30546	6P
2526	4822 124 40434	22 μF 35V	14R	4822 267 30546	6P
2610	5322 121 44357	7.5 nF 2kV	15G	4822 265 40252	7P
2611	4822 121 40479	390 nF 250V	16R	4822 267 40653	2P
2619	4822 121 41339	2.2 nF 2kV	17	4822 264 50177	10P for coil
2621	4822 124 22257	22 μF 250V	18G	4822 266 30276	4P
2652	5322 121 44222	330 nF 250V	19G	4822 265 40503	5P
2656	4822 124 22172	150 μF 385V	20G	4822 265 40469	6P
2663	4822 121 41531	1000 pF 250V	21G	4822 265 40471	8P
2668	4822 124 40724	1000 μF 35V	VARIOUS		
2670	4822 124 22257	22 μF 250V	1000	4822 212 22746	IR receiver
2672	4822 124 40724	1000 μF 35V	1001	4822 212 22739	SYNC/IF-B/
2673	4822 124 40201	1000 μF 16V	1001	4822 212 22771	SYNC/IF-I
2735	4822 124 40723	2200 μF 16V	1001	4822 212 22769	SYNC/IF-M
2934	4822 122 32149	27 pF 100V	1002	4822 210 10266	UV617
2935	4822 122 32149	27 pF 100V	1002	4822 210 40278	UV617/E
			1002	4822 210 10299	UV627
1652	4822 253 30024	T1.6A	1002	4822 210 50118	U743
1653	4822 253 10046	T1.6A	1030	4822 276 12056	mains-switch
1654	4822 253 10046	T1.6A	1059	4822 212 22738	keyboard fo
			1103	4822 242 70319	filter SFE6.5
10J	4822 265 40596	2P	1103	4822 242 70279	filter SFE6.0
11B	4822 265 30389	2P	1103	4822 242 71841	filter SFE6.0
12G	4822 265 30407	3P	1104	4822 242 70714	filter SFE5.5
13R	4822 267 40722	6P	1262	4822 157 51056	delay line DI
14R	4822 267 40722	6P	1267	4822 242 70626	crystal 8.867
15G	4822 290 40295	7P	1270	4822 320 40096	delay line DI
16R	4822 267 40665	3P	1566	4822 273 50296	switch 3P
18G	4822 417 50217	4P	1901	4822 138 10032	battery 2.5V
19G	4822 267 40648	5P	1934	4822 242 70831	filter 4 MHz
20G	4822 267 50591	6P		4822 256 30274	fuse holder
21G	4822 264 50148	8P		4822 462 10281	headphone
				4822 267 60172	scart socket
				4822 492 63730	slide spring
				4822 492 63731	spring fix. tr.

PICTURE TUBE PANEL



				
470 μF 35 V	10J	4822 290 60626	2P	
10 μF 50 V	11B	4822 267 40653	2P	
20 pF trimm.	12G	4822 265 30273	3P	
22 μF 35V	13R	4822 267 30546	6P	
22 μF 35V	14R	4822 267 30546	6P	
7.5 nF 2kV	15G	4822 265 40252	7P	
390 nF 250V	16R	4822 267 40653	2P	
2.2 nF 2kV	17	4822 264 50177	10P for coil cable	
22 μF 250V	18G	4822 266 30276	4P	
330 nF 250V	19G	4822 265 40503	5P	
150 μF 385V	20G	4822 265 40469	6P	
1000 pF 250V	21G	4822 265 40471	8P	
1000 μF 35V				
22 μF 250V	VARIOUS			
1000 μF 35V				
1000 μF 16V	1000	4822 212 22746	IR receiver	
2200 μF 16V	1001	4822 212 22739	SYNC/IF-B/G	
27 pF 100V	1001	4822 212 22771	SYNC/IF-I	
27 pF 100V	1001	4822 212 22769	SYNC/IF-Multi	
	1002	4822 210 10266	UV617	
	1002	4822 210 40278	UV617/E	
	1002	4822 210 10299	UV627	
T1.6A	1002	4822 210 50118	U743	
T1.6A	1030	4822 276 12056	mains-switch (SK1)	
T1.6A	1059	4822 212 22738	keyboard foil assy.	
	1103	4822 242 70319	filter SFE6.5 MB	
	1103	4822 242 70279	filter SFE6.0 MB	
	1103	4822 242 71841	filter SFE6.0 MA	
	1104	4822 242 70714	filter SFE5.5 MA	
	1262	4822 157 51056	delay line DL330	
2P	1267	4822 242 70626	crystal 8.867238 MHz	
2P	1270	4822 320 40096	delay line DL701	
3P	1566	4822 273 50296	switch 3P	
6P	1901	4822 138 10032	battery 2.5V	
6P	1934	4822 242 70831	filter 4 MHz	
7P				
3P		4822 256 30274	fuse holder	
4P		4822 462 10281	headphone socket	
5P		4822 267 60172	scart socket	
6P		4822 492 63730	slide spring fix.transistor	
8P		4822 492 63731	spring fix. transistor	

			
BC337	4822 130 40855		
BC548B	4822 130 40937		
BC556	4822 130 40989		
BC558	4822 130 40941		
BF422	4822 130 41782		
BF423/01	4822 130 60703		
BF819	4822 130 42159		
BF869	4822 130 41773		
			
BAV21	4822 130 30842		
BYD33G	4822 130 42489		
1N4148-75	4822 130 33939		
			
5401	4822 157 50964		
			
3403	5322 116 53619	6.	
3406	5322 116 53263	6.	
3426	5322 116 80076	105	
3427	4822 116 80327	137	
3428	5322 116 80076	105	
3439	4822 116 52399	1.	
3440	4822 116 52399	1.	
3444	4822 116 52399	1.	
3445	4822 116 80328	470	
3591	4822 100 10051	22	
3592	4822 100 10052	100	
3599	4822 111 30526	47	
			
2407	4822 122 33109	2.	
			
22G	4822 290 40295	7P	
23R	4822 267 40722	6P	
			
22G	4822 265 40252	7P	
23R	4822 267 30546	6P	
	4822 255 70216	sock	

PICTURE TUBE PANEL

			
BC337	4822 130 40855		
BC548B	4822 130 40937		
BC556	4822 130 40989		
BC558	4822 130 40941		
BF422	4822 130 41782		
BF423/01	4822 130 60703		
BF819	4822 130 42159		
BF869	4822 130 41773		
			
BAV21	4822 130 30842		
BYD33G	4822 130 42489		
1N4148-75	4822 130 33939		
			
5401	4822 157 50964		
			
3403	5322 116 53619	6.34 kΩ	0.6 W
3406	5322 116 53263	6.19 kΩ	0.6 W
3426	5322 116 80076	105 kΩ	0.6 W
3427	4822 116 80327	137 kΩ	5 W
3428	5322 116 80076	105 kΩ	0.6 W
3439	4822 116 52399	1.5 kΩ	0.5 W
3440	4822 116 52399	1.5 kΩ	0.5 W
3444	4822 116 52399	1.5 kΩ	0.5 W
3445	4822 116 80328	470 Ω	0.5 W
3591	4822 100 10051	22 kΩ	potm.
3592	4822 100 10052	100 kΩ	potm.
3599	4822 111 30526	47 Ω	0.33W
			
2407	4822 122 33109	2.2 nF	1kV
			
22G	4822 290 40295	7P	
23R	4822 267 40722	6P	
			
22G	4822 265 40252	7P	
23R	4822 267 30546	6P	
	4822 255 70216	socket	PT

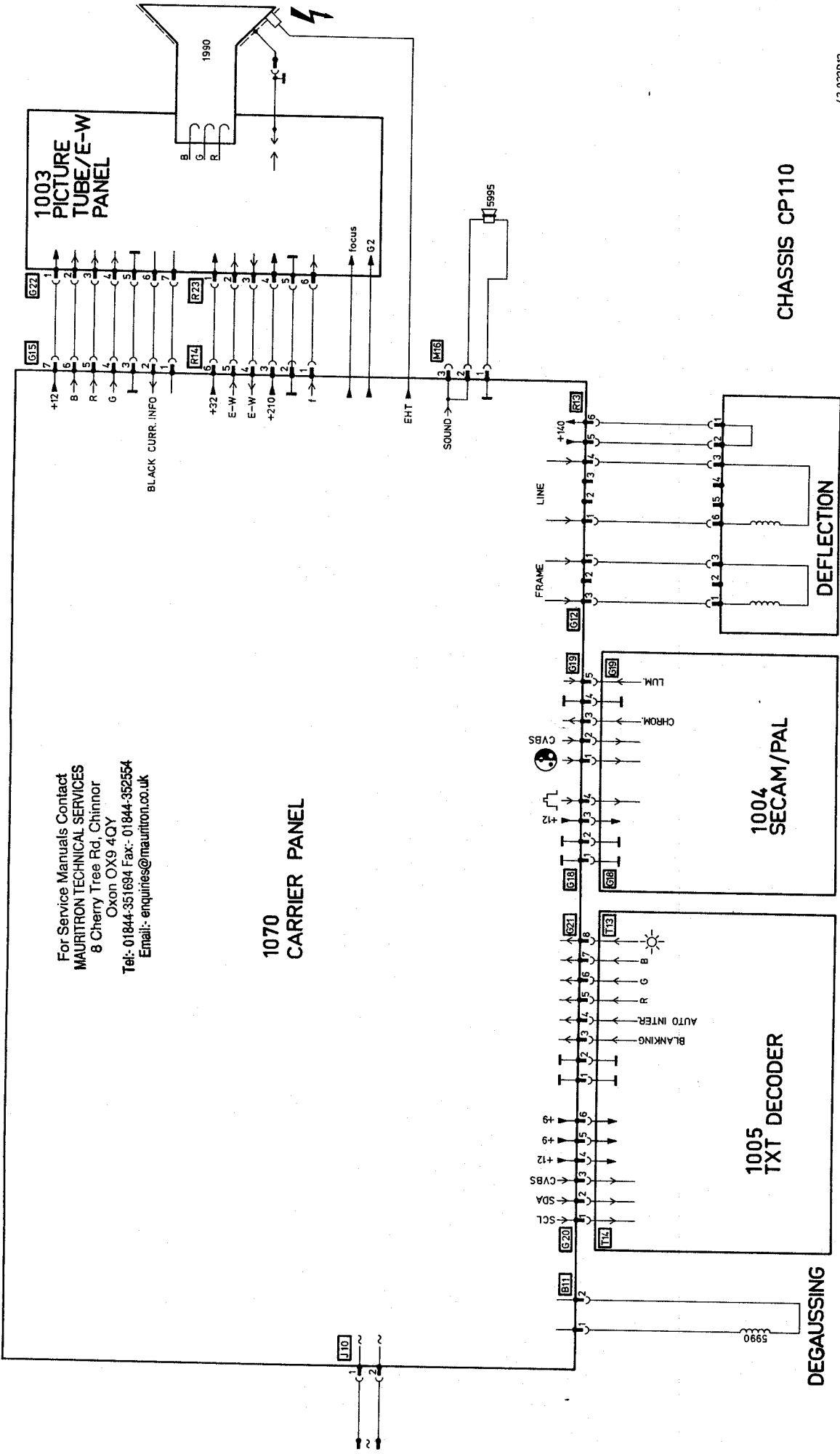
MUTE PANEL

	
BC548B	4822 130 40937
BC558B	4822 130 44197
	
1N4148-30	4822 130 33941

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

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

1070 CARRIER PANEL



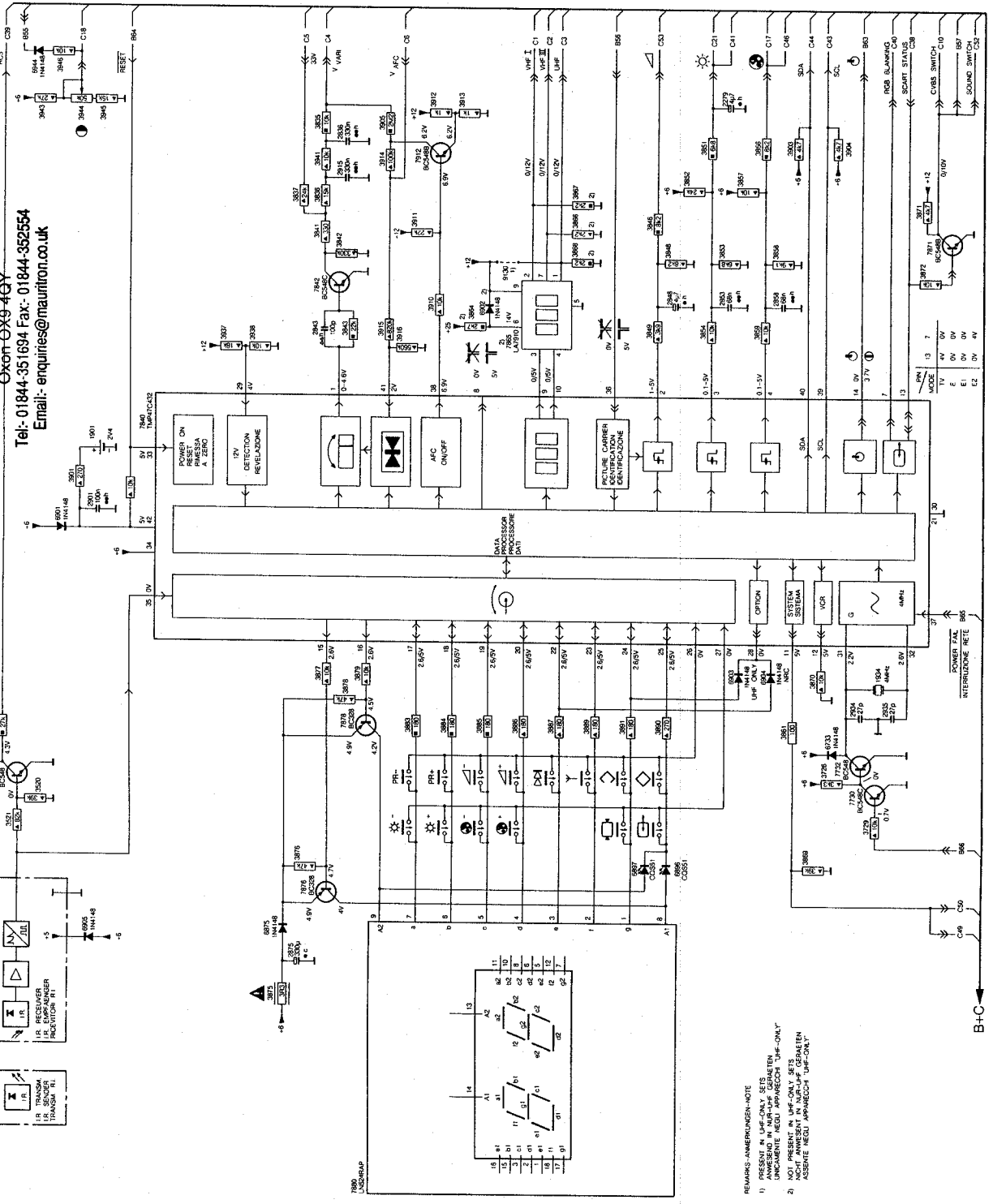
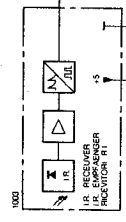
CHASSIS CP110

42 023D12

DIAGRAM-SCHALTBILD-SCHEMA A

V572 SYSTEM
SISTEMA V572

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



REMARKS-ANMERKUNGEN-NOTE
1) ANNESSO AL N. 10 DELLA SEDE
UNICAMENTE NEGLI APPARECCHI "UMF-ONLY"
2) NOT PRESENT IN "UMF-ONLY" SETS
UNICAMENTE NEGLI APPARECCHI "UMF-ONLY"
ASSENTE NEGLI APPARECCHI "UMF-ONLY"

CP110
PRELIMINARE
1-04 721

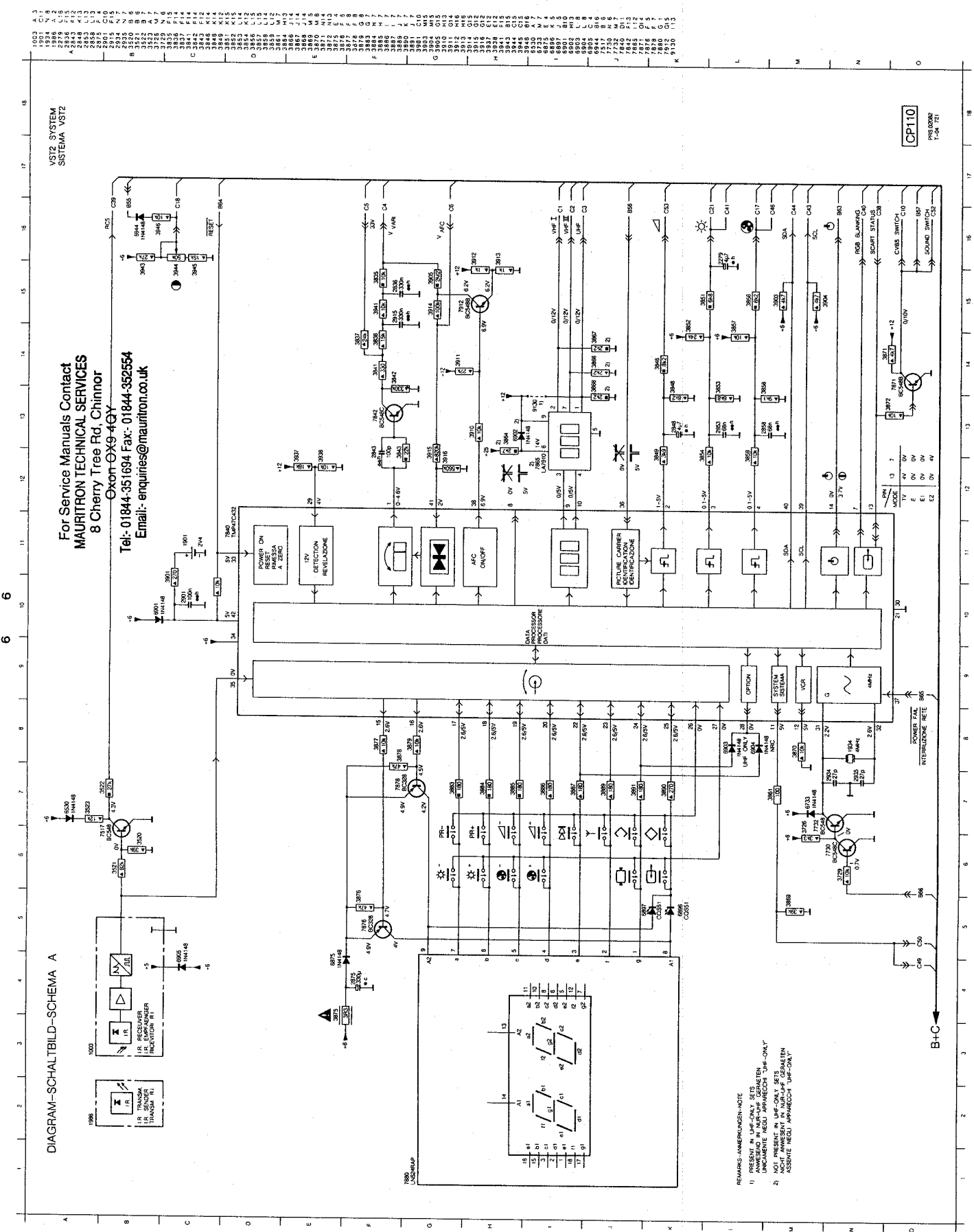
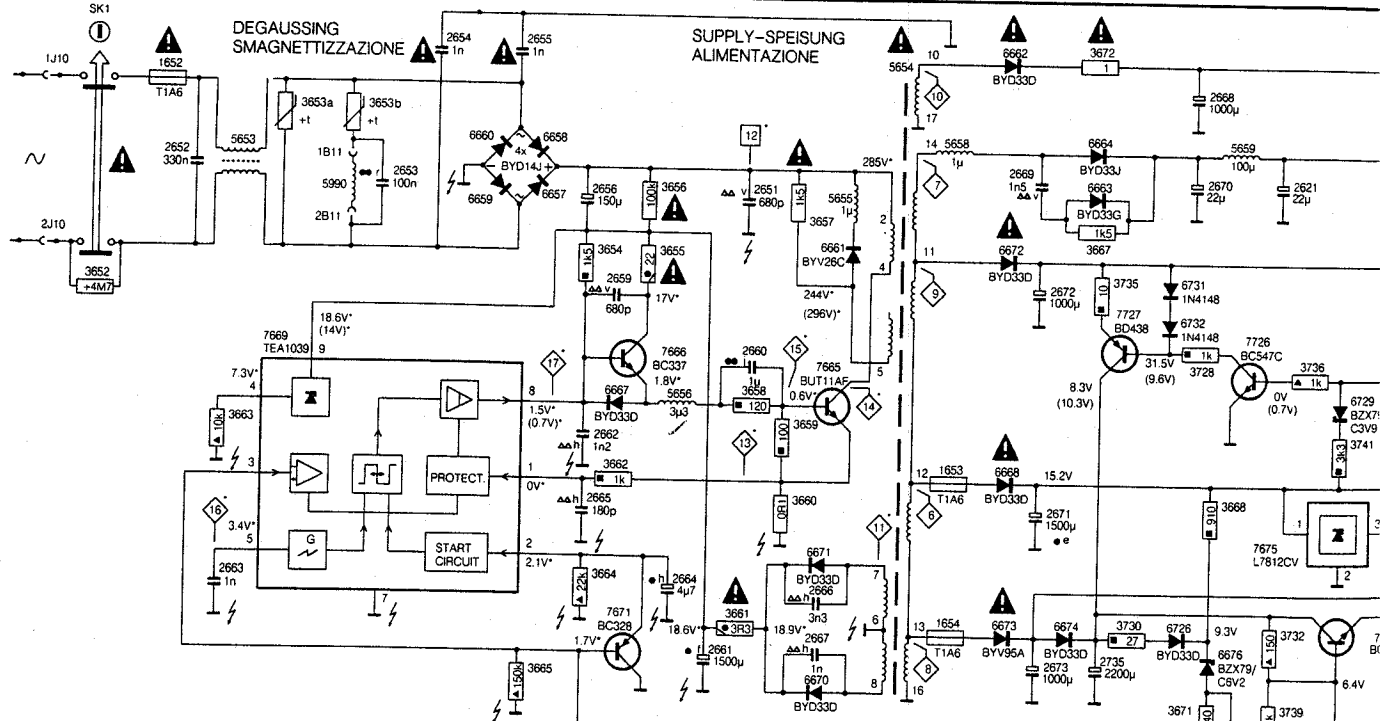
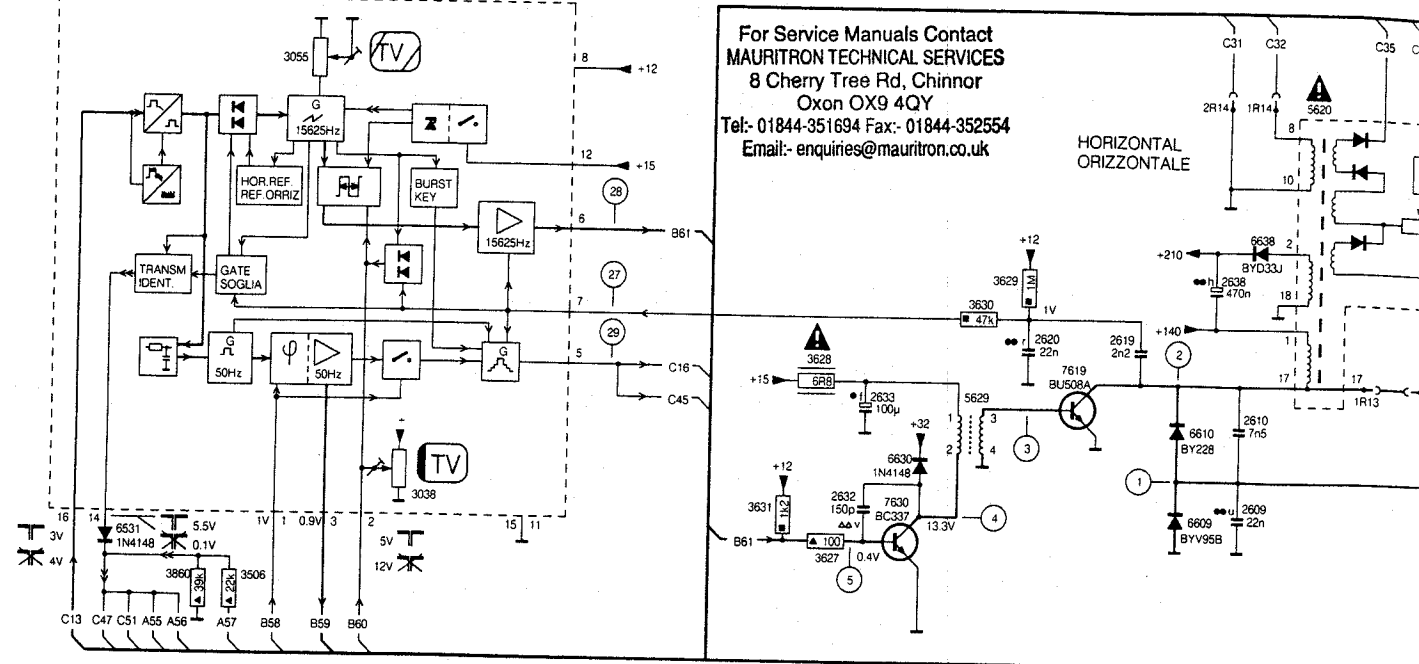


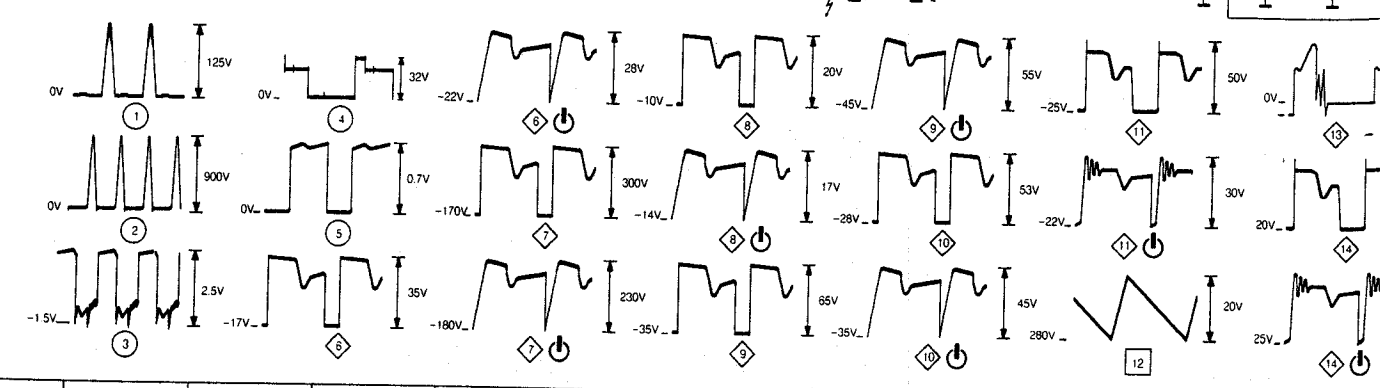
DIAGRAM-SCHALTBILD-SCHEMA B

1001-2B SYNCHRONISATION-SINCROIZZAZIONE

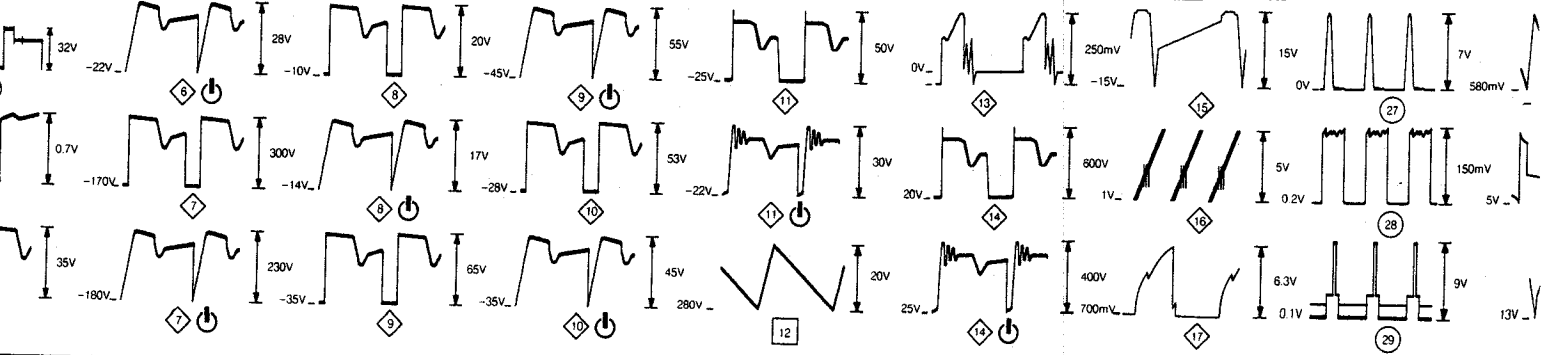
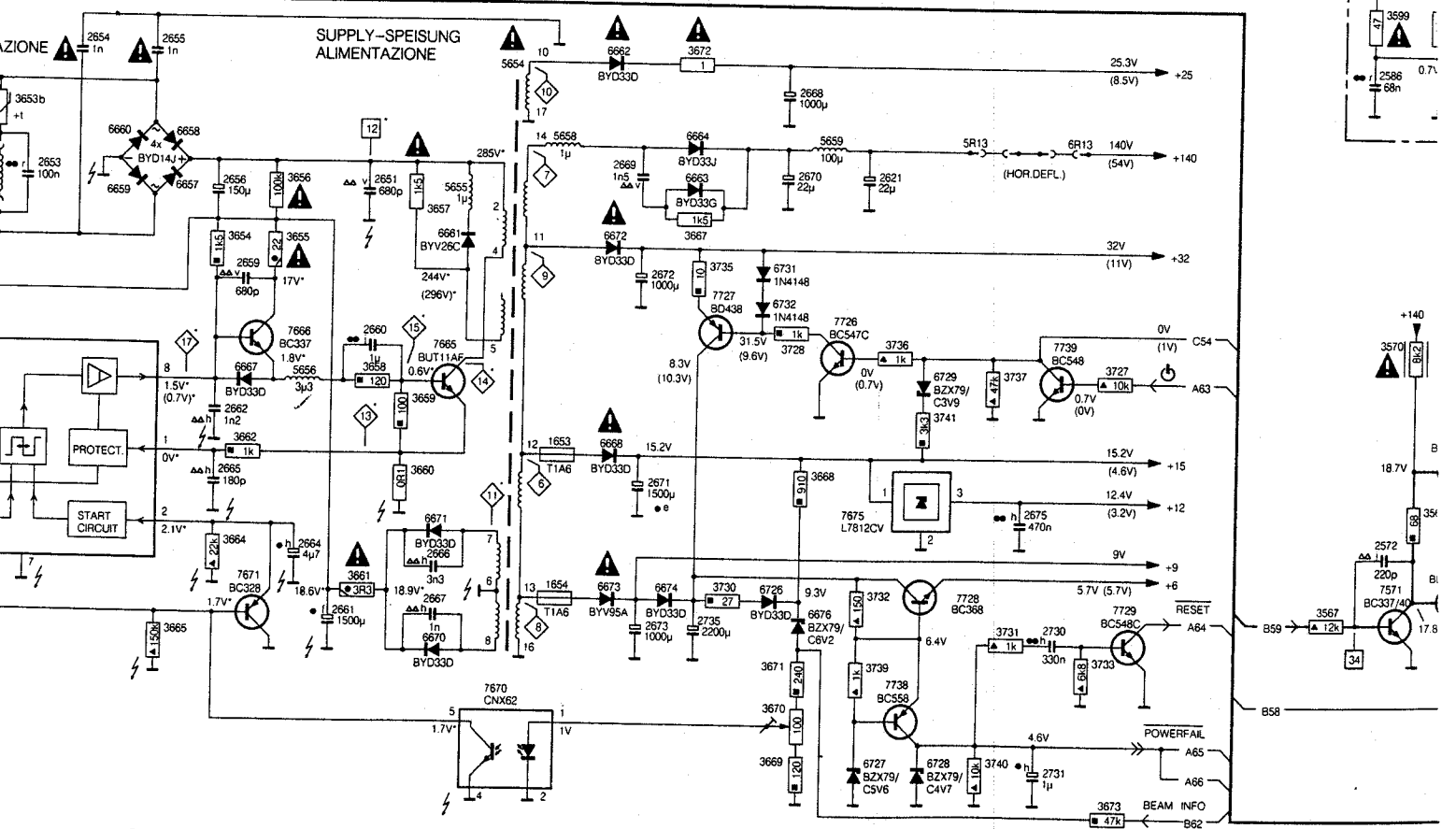
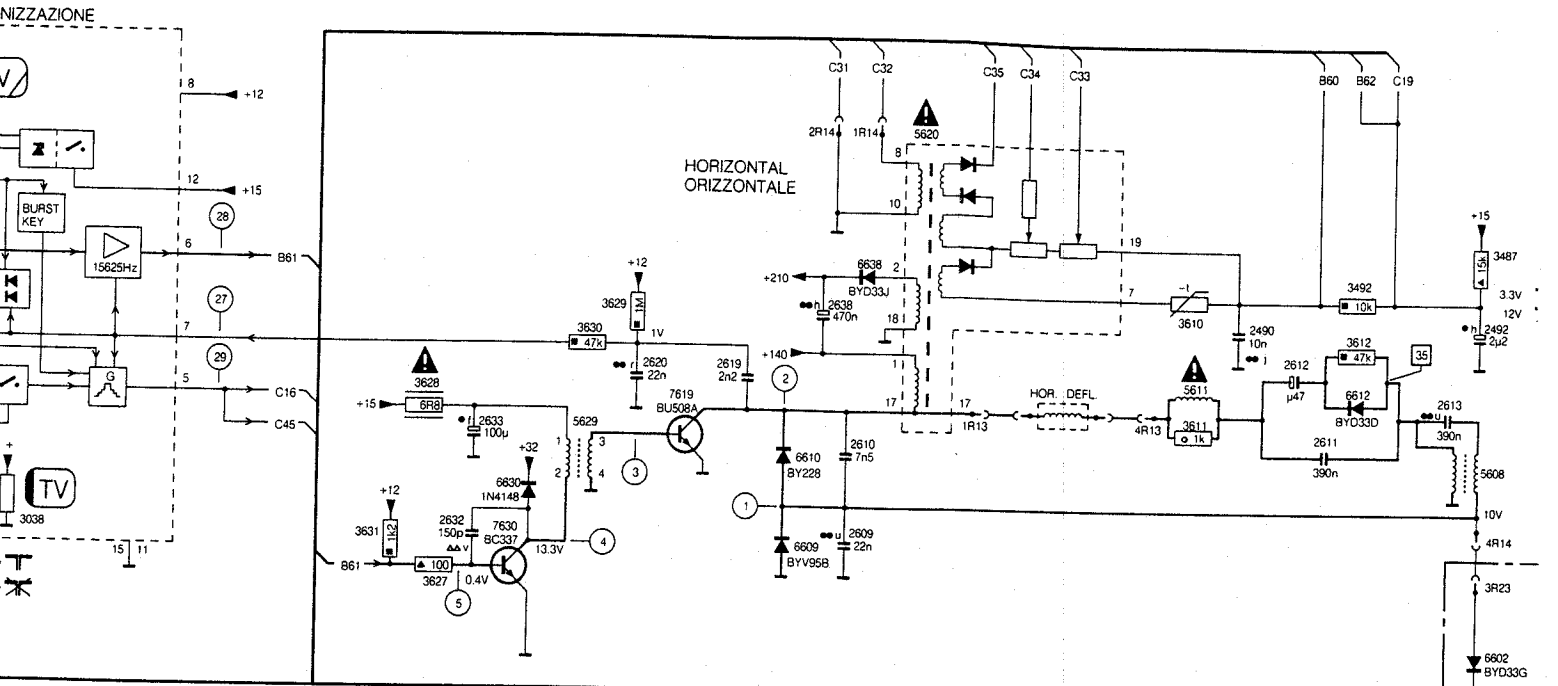
For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
 8 Chery Tree Rd. Chinnor
 Oxon OX9 4QY
 Tel: 01844-351694 Fax: 01844-352554
 Email: enquiries@mauritron.co.uk

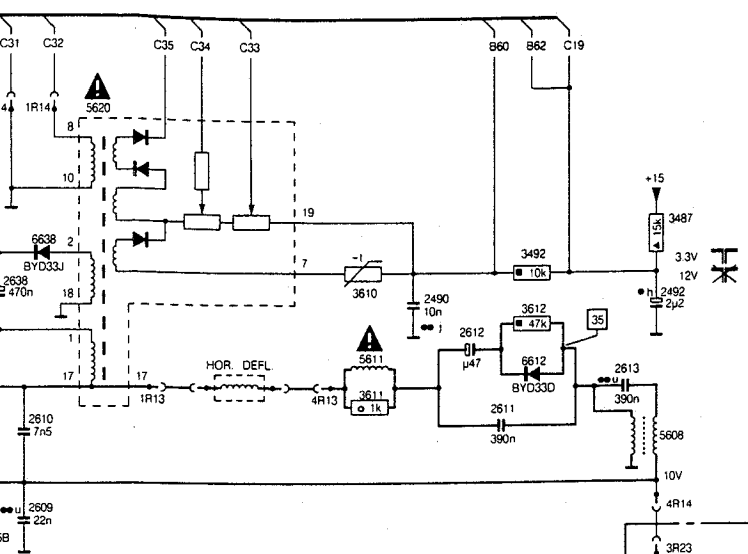


MEASURED IN RESPECT OF
 MISURATO NEI CONFRONTI DI



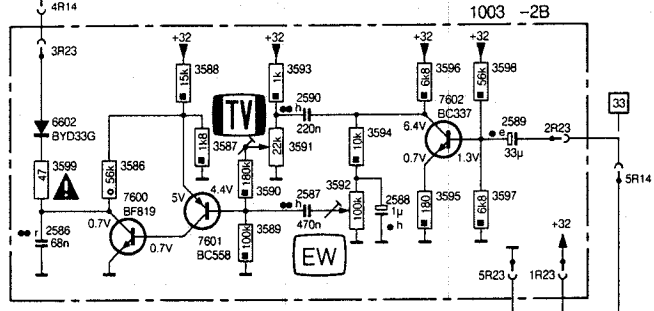
EMA B



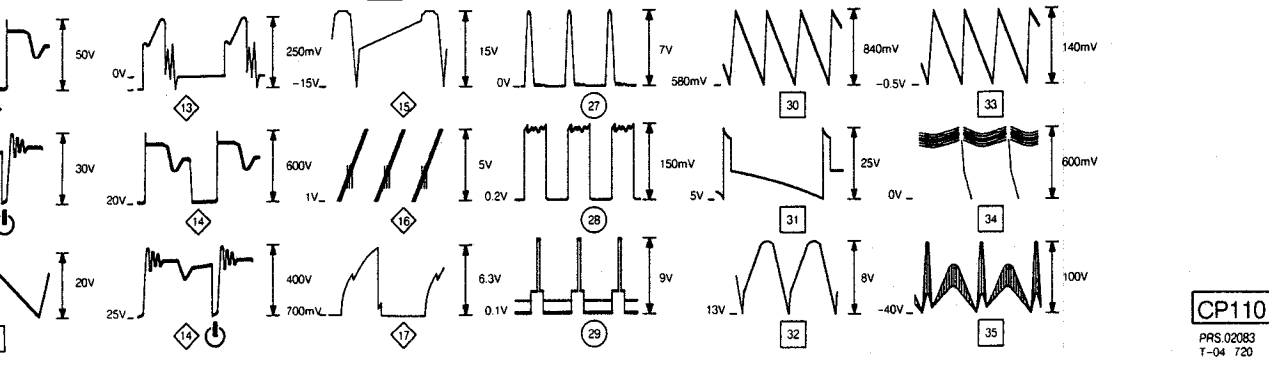
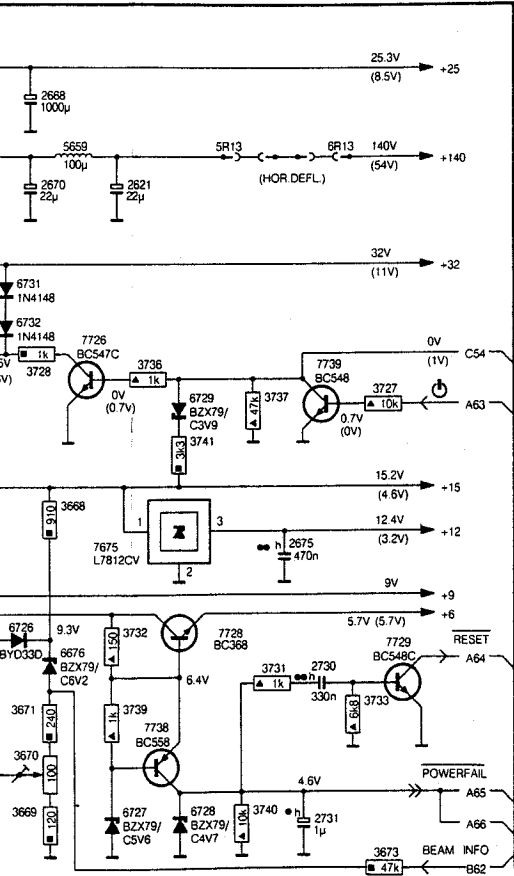
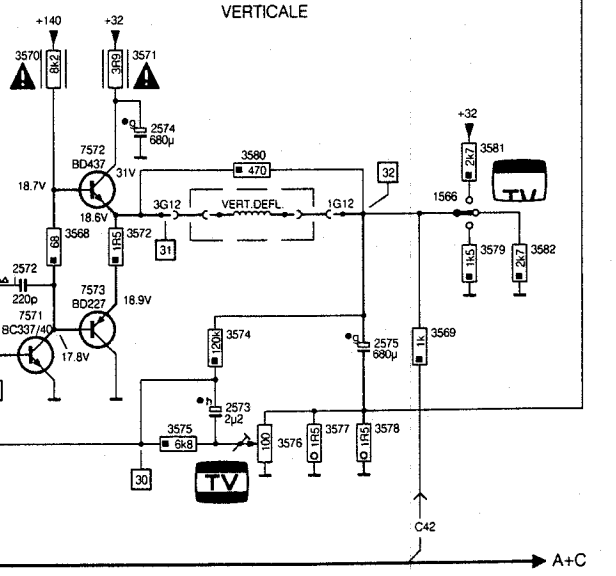


**For Service Manuals Contact
MAURITRON TECHNICAL SERVICES**
8 Cherry Tree Rd, Chinnor
Oxon OX9 4QY
Tel: 01844-351694 Fax: 01844-352554
Email: enquiries@mauritron.co.uk

EAST-WEST
OST-WEST
EST-OVEST



VERTICAL
VERTIKAL
VERTICALE



CP110
PRS.02083
T-04 720

1001	A 1	6657	H 5
1003	E19	6658	G 5
1566	J19	6659	H 5
1652	G 2	6660	G 5
1653	J 9	6661	H 8
1654	K 9	6662	F 9
2490	C14	6663	G10
2492	C16	6664	G10
2572	J16	6667	I 6
2573	K17	6668	J 9
2574	I 17	6670	K 7
2575	K19	6671	J 7
2585	F16	6672	H 9
2587	F18	6673	K 9
2588	F18	6674	K 9
2589	F19	6676	K11
2590	E18	6726	K10
2609	E11	6727	L11
2610	D11	6728	L12
2611	O14	6729	I 12
2612	C14	6731	H10
2613	O15	6732	H10
2619	C10	6751	K16
2620	C 9	6752	I 16
2621	G11	6765	I 8
2632	E 7	7800	F16
2633	D 8	7601	G17
2638	C10	7602	E19
2651	G 7	7619	O 9
2652	G 2	7630	E 8
2653	G 4	7665	I 8
2654	F 5	7666	I 8
2655	F 5	7669	I 3
2656	G 6	7670	L 8
2659	H 6	7671	K 6
2660	I 7	7675	J11
2661	K 7	7676	I 11
2662	I 5	7727	H10
2663	J 3	7728	K12
2664	J 6	7729	K13
2665	J 6	7738	L11
2666	K 8	7739	I 13
2667	K 7	SK1	F 2
2668	G11		
2669	G 9		
2670	G11		
2671	J 9		
2672	H 9		
2673	K 9		
2674	J 3		
2730	K13		
2731	L13		
2735	K10		
3038	E 4		
3050	D 3		
3568	K19		
3570	I 16		
3571	I 17		
3572	J17		
3574	K17		
3575	L17		
3576	L18		
3577	L18		
3578	L19		
3579	J20		
3580	J18		
3581	I 20		
3582	J 20		
3586	F16		
3587	F17		
3588	E17		
3589	F17		
3590	F17		
3591	F18		
3592	F18		
3593	E18		
3594	F18		
3595	F19		
3596	F19		
3597	F19		
3598	E19		
3599	F16		
3610	C13		
3611	D13		
3612	C15		
3622	C15		
3628	D 7		
3629	C 9		
3630	C 8		
3631	E 7		
3652	H 2		
3653	H 6		
3655	H 6		
3656	G 6		
3657	H 7		
3658	I 7		
3659	K 7		
3660	I 7		
3661	K 7		
3662	J 6		
3663	I 3		
3664	J 6		
3665	K 6		
3667	H10		
3668	J11		
3669	L10		
3670	L10		
3671	K10		
3672	F10		
3673	M13		
3727	I 13		
3728	I 11		
3730	K10		
3731	K12		
3732	K11		
3733	K13		
3735	H10		
3736	I 11		
3737	I 13		
3739	K11		
3740	L12		
3741	I 12		
3860	E 2		
5608	D16		
5611	D13		
5620	B1		
5629	D 3		
5653	G 3		
5654	F 8		
5655	H 8		
5656	I 6		
5658	G 9		
5659	G11		
5990	G 4		
6051	E 2		
6602	F16		
6609	E10		
6610	D10		
6612	D15		
6630	D 8		
6638	C11		

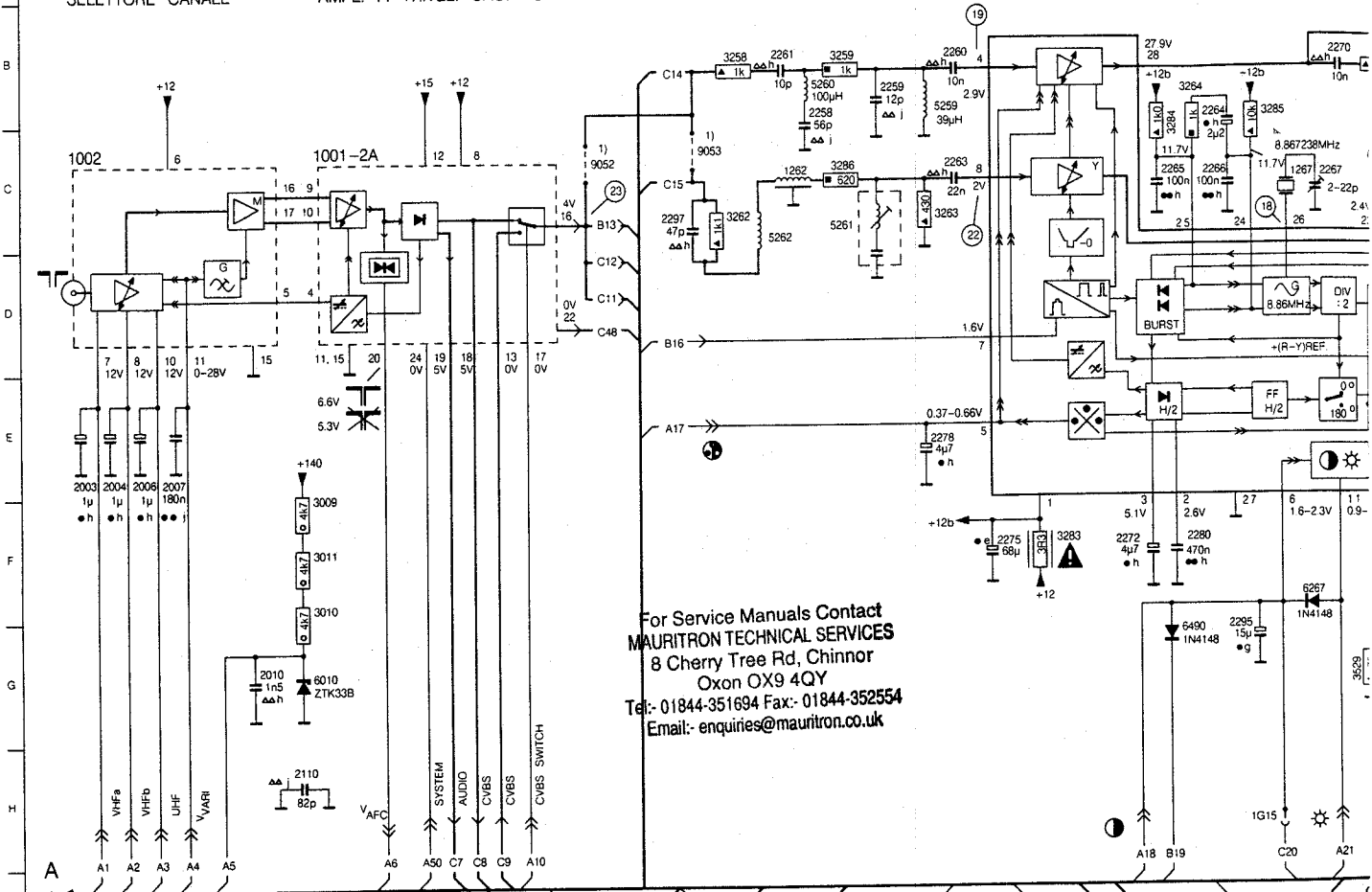
1001	C 3	1270	B12	2104	K14	2114	K19	2260	B 8	2274	B14	2292	F14	2405	G16	2523	L14	3101	I 18	3115	K20	3265	J 8	3283	F 9	3403	B16	34
1002	C 1	1990	D21	2105	K14	2115	J20	2261	B 7	2275	F 8	2295	G10	2406	A16	2524	L 4	3102	I 20	3121	K18	3267	F13	3284	B10	3404	G16	34
1003	A15	2003	E 1	2106	K16	2116	K17	2263	C 8	2278	E 8	2296	F15	2407	E20	2525	L 5	3103	J13	3122	K18	3269	F13	3285	B11	3405	E16	34
1004	M13	2004	E 1	2107	K16	2118	K18	2264	B10	2280	F10	2297	C 6	2408	G20	2526	L14	3104	J14	3122	I 21	3271	F12	3286	C 7	3406	E16	34
1005	I 10	2006	E 1	2108	I15	2123	L18	2265	C10	2285	F13	2298	C14	2409	H19	2527	L 4	3106	L19	3258	B 6	3278	B12	3287	J 8	3407	D16	34
1103	J13	2007	E 2	2109	I15	2124	K17	2266	C10	2286	F12	2401	B16	2503	K 3	3009	F 3	3107	K19	3259	B 7	3279	B14	3289	F13	3409	H18	34
1104	I 14	2010	G 2	2110	H 3	2125	K17	2267	C11	2287	F12	2402	F16	2507	L 4	3010	F 3	3111	J20	3262	C 6	3280	B14	3290	F12	3410	H17	34
1262	C 7	2101	I 20	2111	K20	2258	B 7	2270	B11	2290	F14	2403	D16	2520	K16	3011	F 3	3113	K20	3263	C 8	3281	B13	3291	F11	3411	H17	34
1267	C 1	2102	I 20	2113	J20	2259	B 8	2272	F 9	2291	F14	2404	H17	2521	K 4	3059	L 8	3114	K20	3264	B10	3282	B13	3402	C16	3412	G16	34

DIAGRAM-SCHALTBILD-SCHEMA C

CHANNEL SELECTOR
KANALWAELHLER
SELETTORE CANALE

IF AMPL.+DET. +AGC. +AFC.
ZF VERST. +DEM. +AVR. +AFA.
AMPL. FI +RIVEL. CAG. +CAF.

CHROMINANCE + LUMINA
FARBART + LEUCHTDICHT
CROMINANZA + LUMINAN.



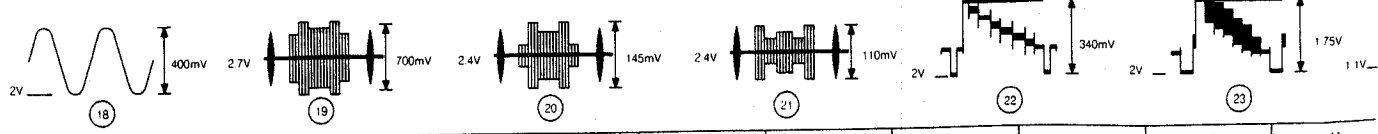
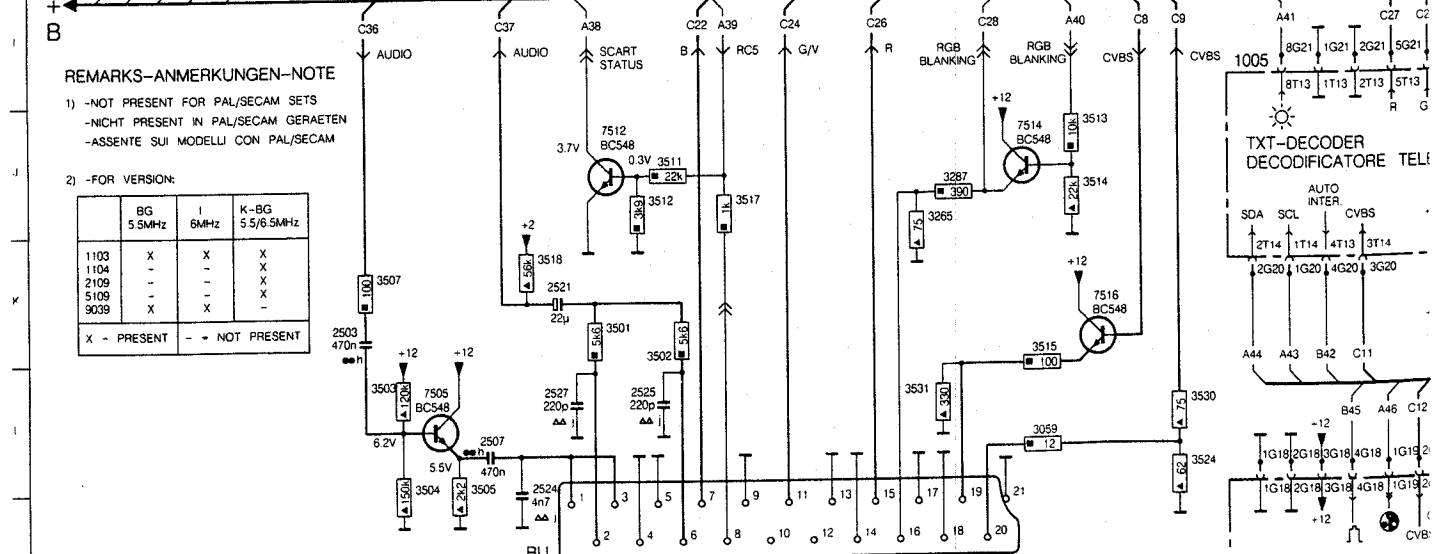
For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
8 Cherry Tree Rd. Chinnor
Oxon OX9 4QY
Tel: 01844-351694 Fax: 01844-352554
Email: enquiries@mauritron.co.uk

REMARKS-ANMERKUNGEN-NOTE

- 1) -NOT PRESENT FOR PAL/SECAM SETS
-NICHT PRESENT IN PAL/SECAM GERAEETEN
-ASSENTE SUI MODELLI CON PAL/SECAM
- 2) -FOR VERSION:

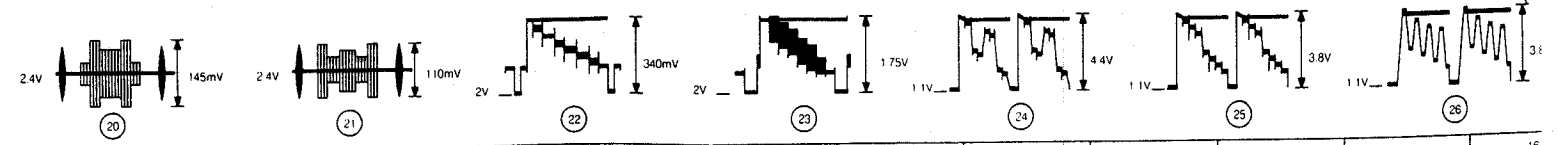
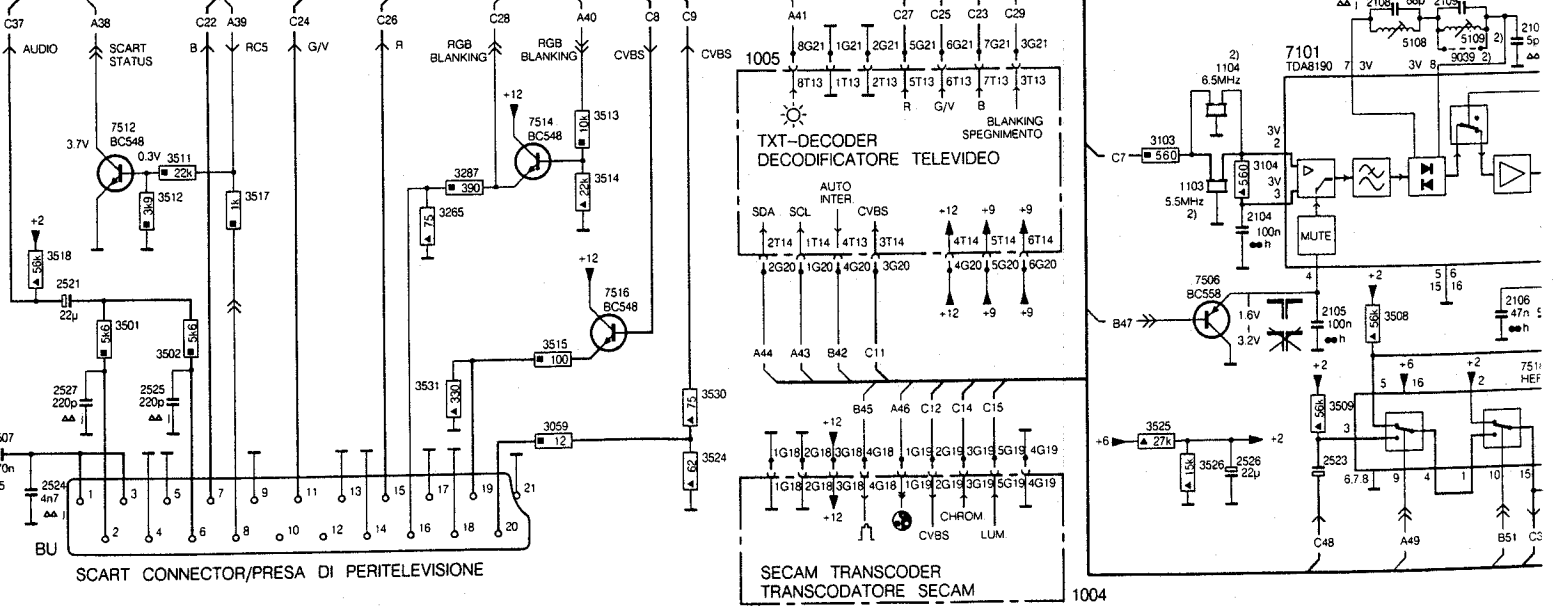
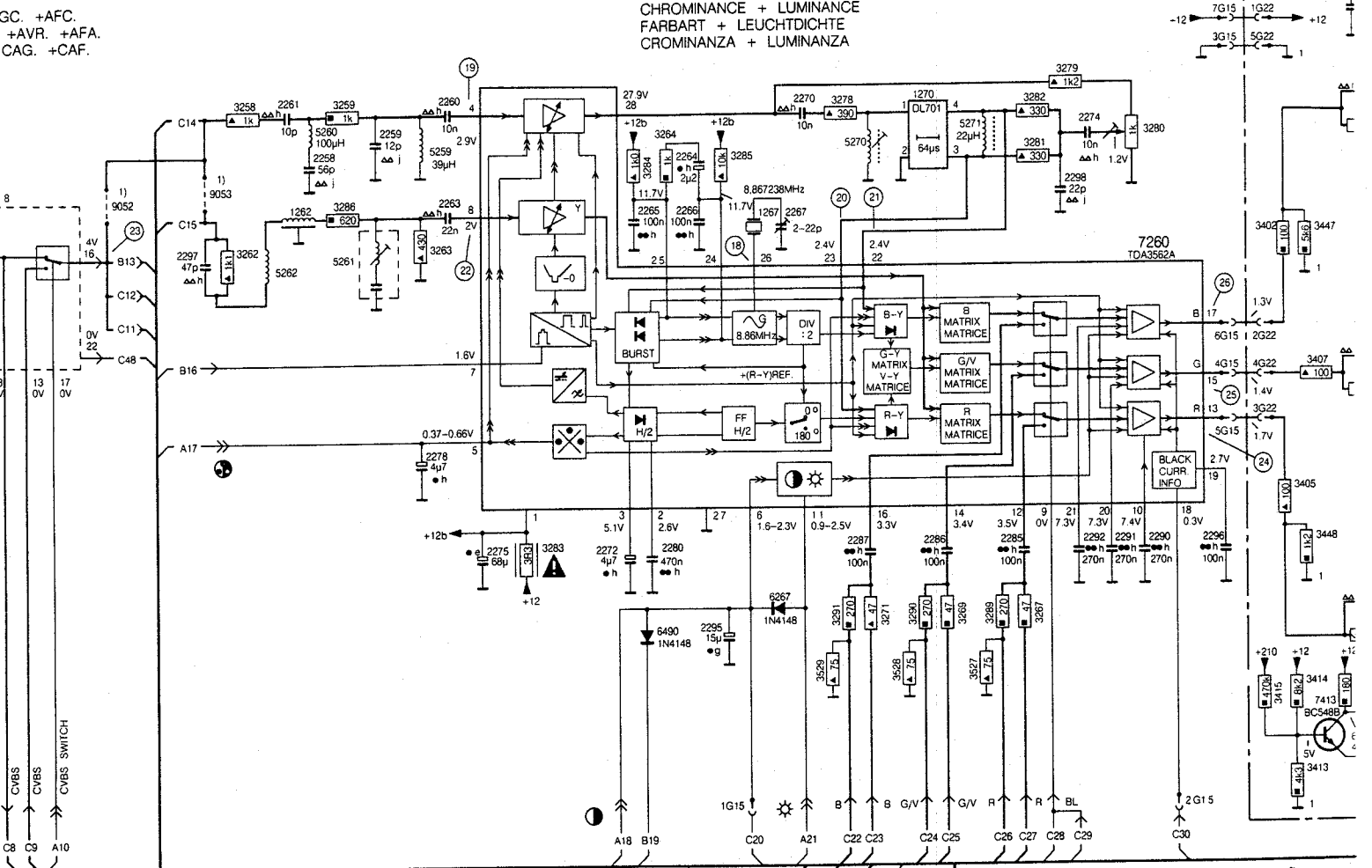
	BG 5.5MHz	I 6MHz	K-BG 5.5/6.5MHz
1103	X	X	X
1104	-	-	X
2109	-	-	X
5109	-	-	X
9039	X	X	-

X - PRESENT - - NOT PRESENT



7	2274	B14	2292	F14	2405	G16	2523	L14	3101	I18	3115	K20	3265	J 8	3283	F 9	3403	B16	3413	H16	3422	E17	3431	F17	3440	D18	3451	G19	3507	K 3	35
8	2275	F 8	2295	G10	2406	A16	2524	L 4	3102	I20	3121	K18	3267	F13	3284	B10	3404	G16	3414	G16	3423	E18	3432	F17	3441	A17	3452	H19	3508	K15	35
9	2278	E 8	2296	F15	2407	E20	2525	L 5	3103	J13	3122	K18	3269	F13	3285	B11	3405	E16	3415	G15	3424	G18	3433	D17	3442	E17	3453	G19	3509	L15	35
0	2280	F10	2297	C 6	2408	G20	2526	L14	3104	J14	3132	I21	3271	B12	3286	C 7	3406	E16	3416	H17	3425	E18	3434	C17	3443	C17	3454	F19	3510	M17	35
1	2285	F13	2298	C14	2409	H19	2527	L 4	3108	L19	3258	B 6	3278	B14	3289	F13	3409	H18	3418	E17	3427	F17	3436	E18	3435	A18	3444	B18	3501	K 5	35
0	2286	F12	2401	B18	2503	K 3	3009	F 3	3107	K19	3259	B 7	3279	B14	3290	F12	3410	H17	3419	E17	3428	D17	3437	C18	3447	D18	3502	K 5	35		
1	2287	F12	2402	F16	2507	L 4	3010	F 3	3111	J20	3262	C 6	3280	B14	3290	F12	3410	H17	3419	E17	3428	D17	3437	C18	3447	D18	3503	L 3	35		
1	2290	F14	2403	D16	2520	K16	3011	F 3	3113	K20	3263	C 8	3281	B13	3291	F11	3411	H17	3420	B17	3429	B17	3438	F20	3448	F16	3504	L 3	35		
9	2291	F14	2404	H17	2521	K 4	3059	L 8	3114	K20	3264	B10	3282	B13	3291	C16	3412	G16	3421	G17	3430	A17	3439	F18	3450	G18	3505	L 4	35		
4		5		6		7		8		9		10		11		12		13		14		15		16							

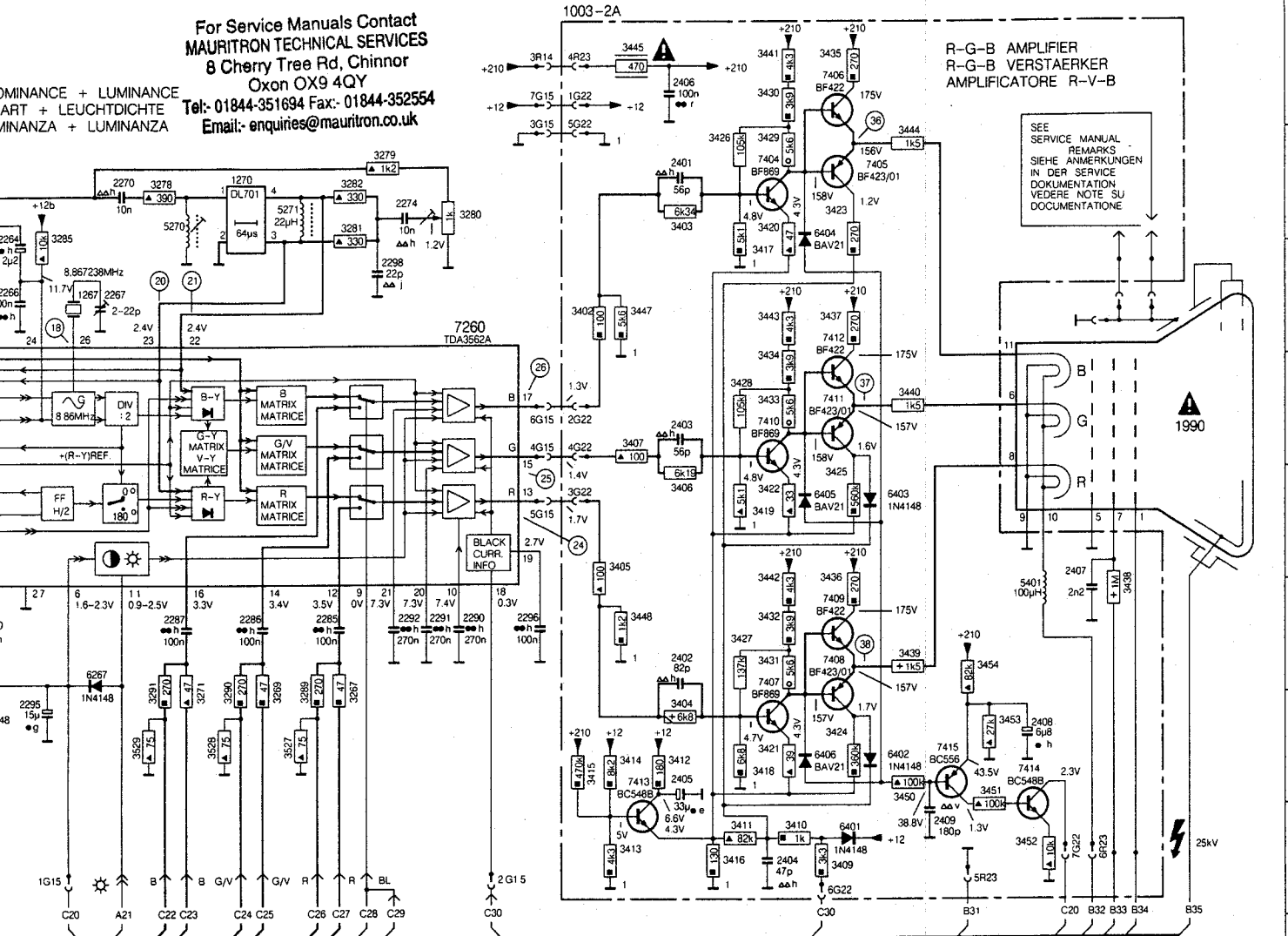
CHROMINANCE + LUMINANCE
FARBART + LEUCHTDICHTE
CROMINANZA + LUMINANZA



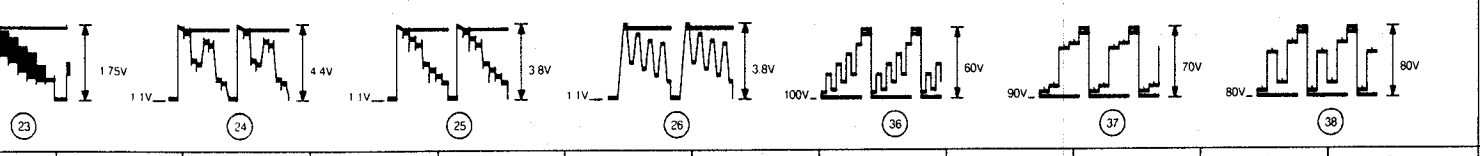
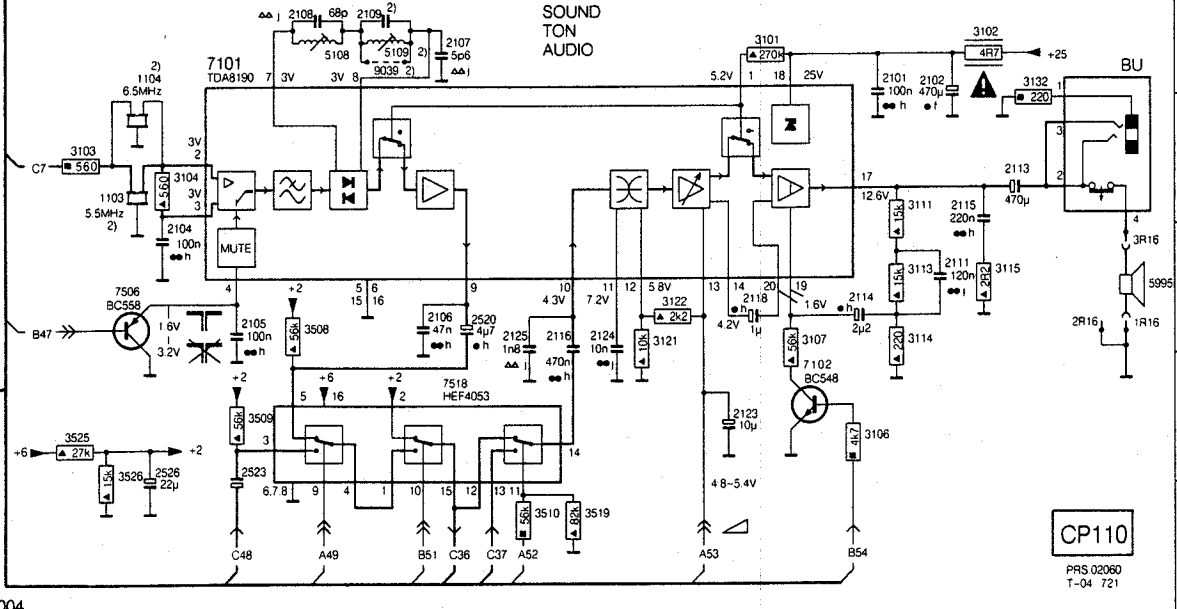
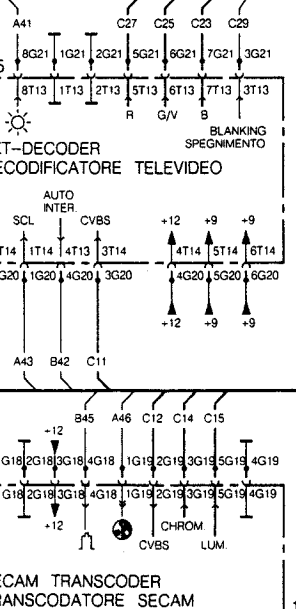
F 9	3403	B16	3413	H16	3422	E17	3431	F17	3440	D18	3451	G19	3507	K 3	3517	J 6	3530	L10	5271	B13	6405	E18	7407	F17	7505	L 3
B10	3404	G16	3414	G16	3423	B18	3432	F17	3441	A17	3452	H19	3508	K15	3518	K 4	3531	L 7	5401	F19	6406	G18	7408	F18	7506	K13
C 7	3405	E16	3415	G15	3424	G18	3433	D17	3442	E17	3453	G19	3509	L15	3519	M17	5108	I15	5995	K21	6490	G10	7409	F18	7512	J 5
J 8	3406	E16	3416	H17	3425	E18	3434	C17	3443	C17	3454	F19	3510	M17	3524	L10	5109	I16	6010	G 3	7101	L14	7410	D17	7514	J 8
F13	3409	H18	3418	G17	3427	F17	3436	E18	3445	A18	3456	K 5	3511	J 5	3525	L13	5259	B 8	6267	F11	7102	L19	7411	D18	7516	K 9
F12	3410	H17	3419	E17	3428	D17	3437	C18	3447	A16	3503	L 3	3513	J 5	3527	G10	5251	C 7	6402	G18	7404	B17	7413	G16	7518	L16
F11	3411	H17	3420	B17	3429	B17	3438	F20	3448	F16	3504	L 3	3514	J 9	3528	G12	5270	C 7	6403	E18	7405	B18	7414	G19	9053	C 6
C16	3412	G16	3421	G17	3430	A17	3439	F20	3449	G18	3505	L 4	3515	K 8	3529	G11	5270	B12	6404	B18	7406	A18	7415	G19	9053	M 4

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

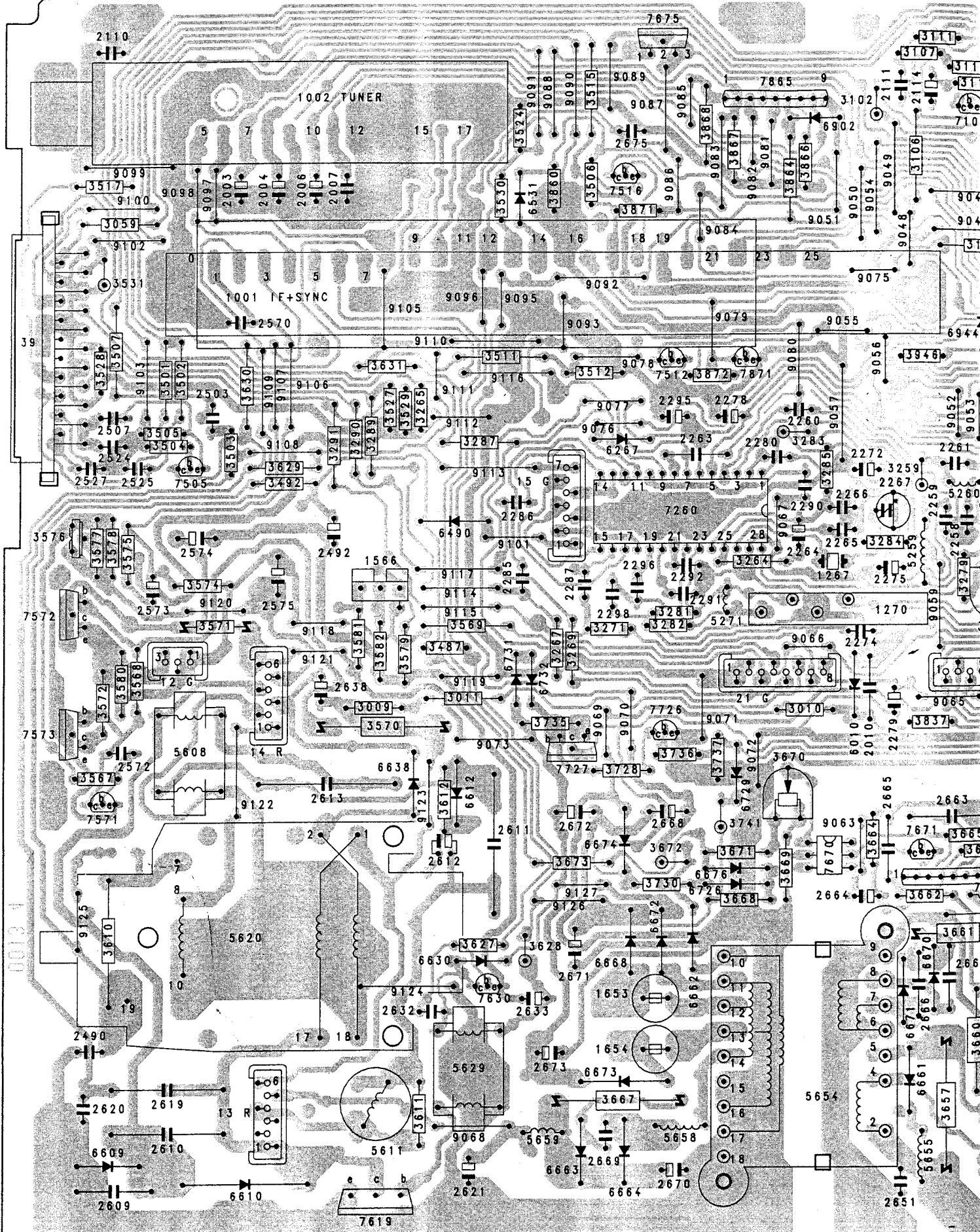
MINANCE + LUMINANCE
 ART + LEUCHTDICHTE
 MINANZA + LUMINANZA

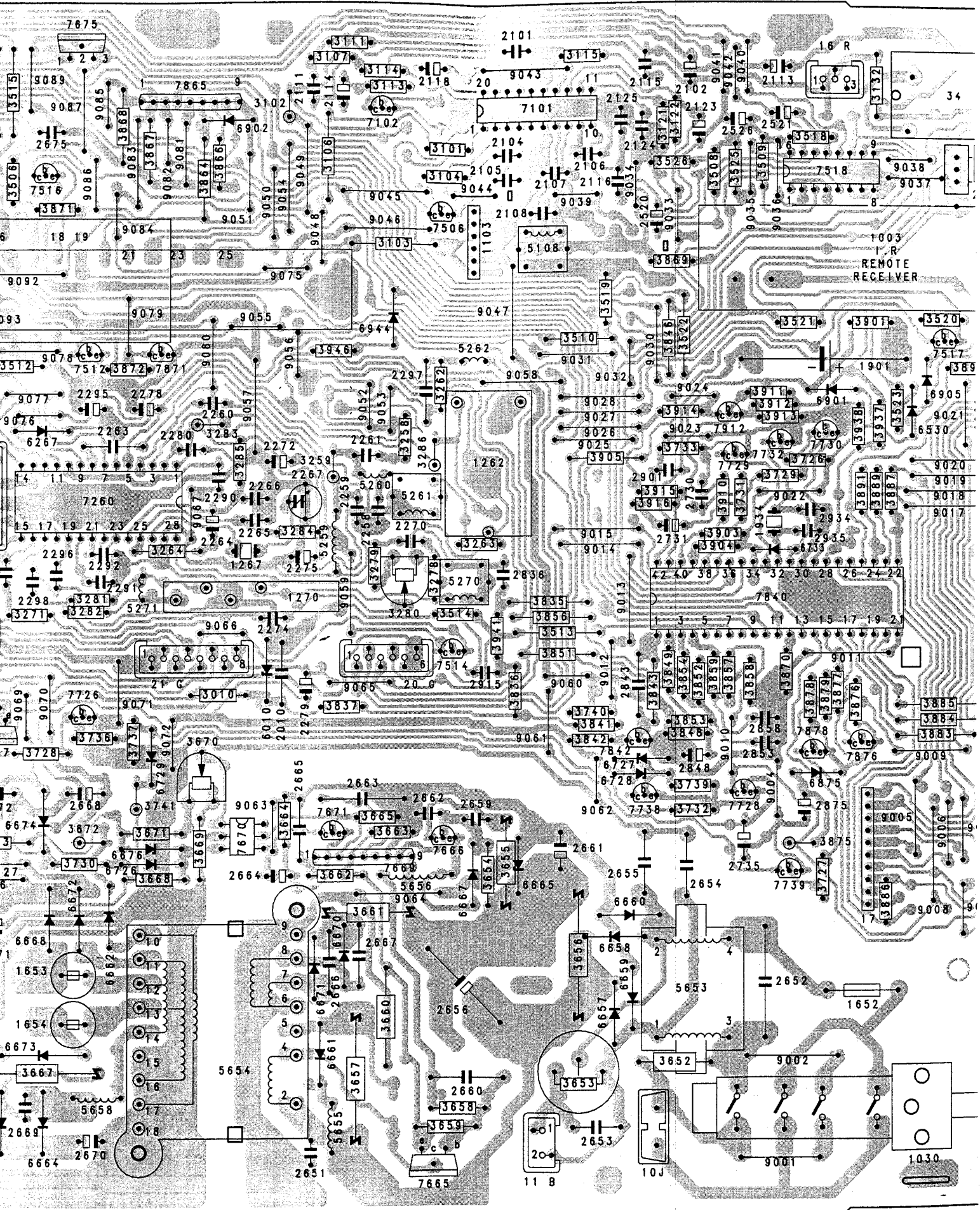


SEE SERVICE MANUAL
 REMARKS
 IN DER SERVICE
 DOKUMENTATION
 VEDERE NOTE SU
 DOCUMENTAZIONE

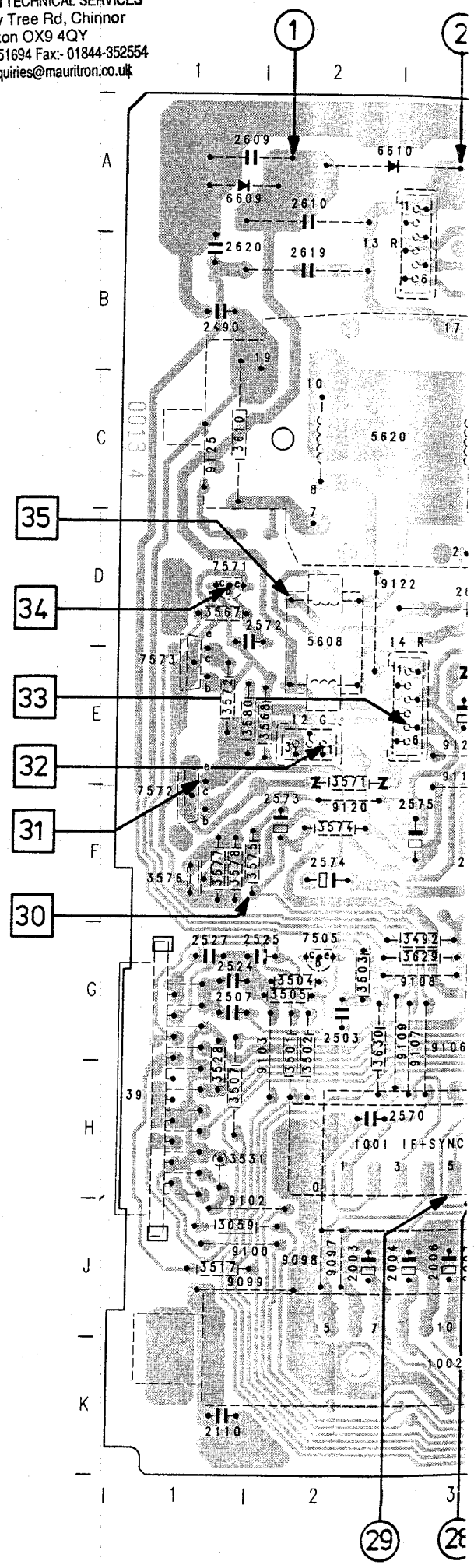
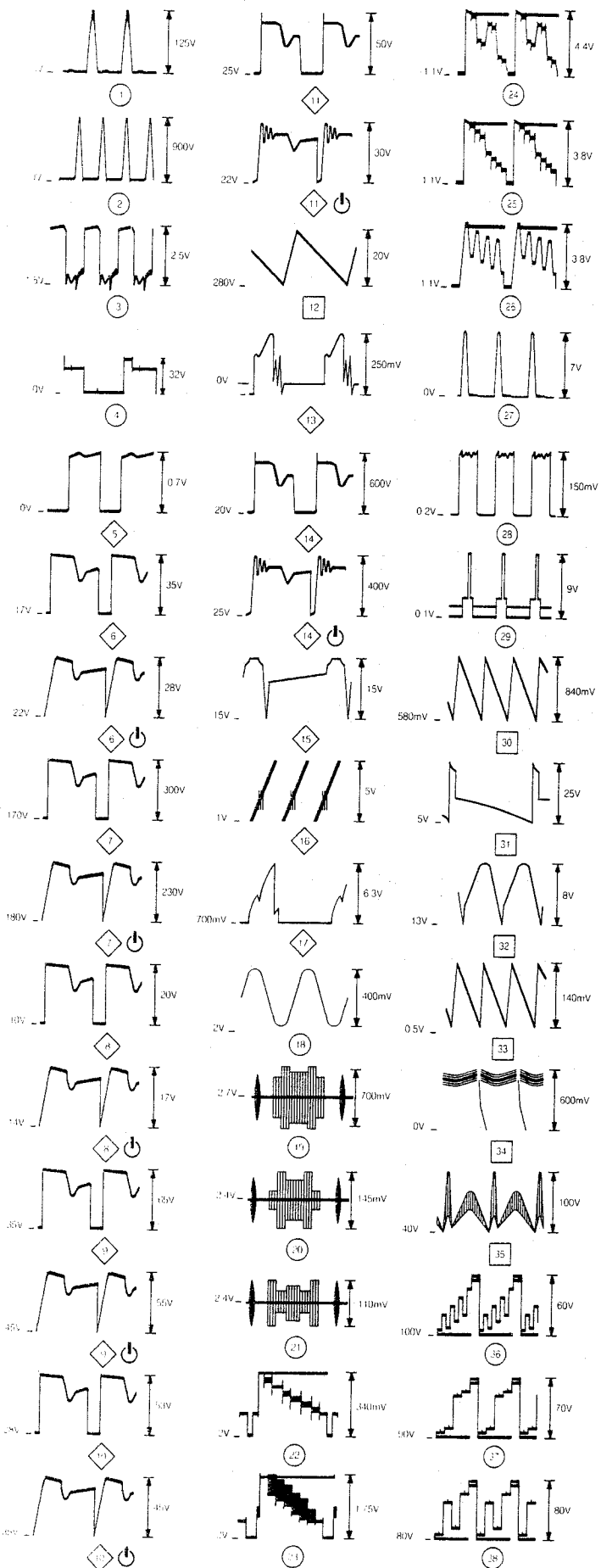


CP110
 PRS 02060
 T-04 721

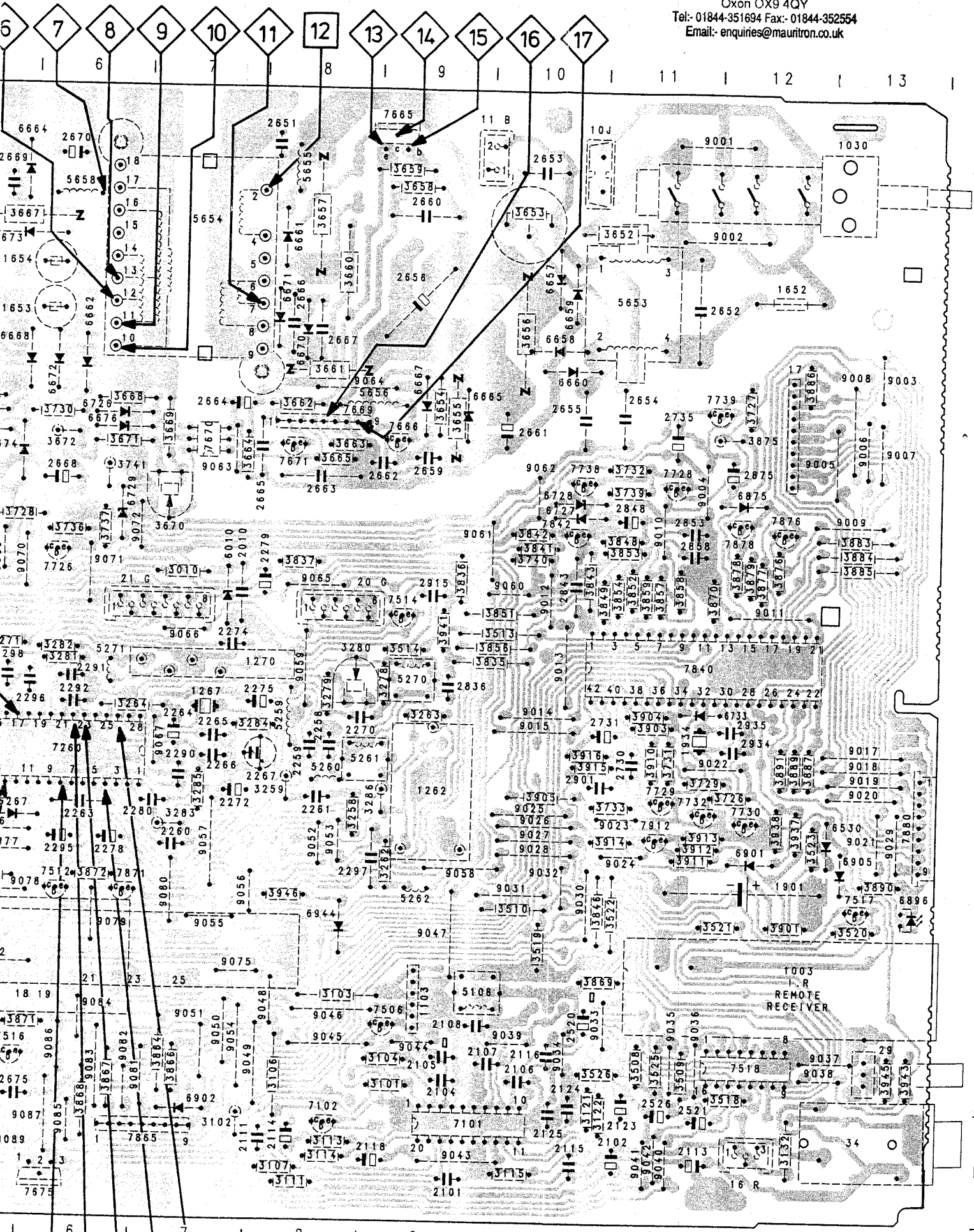


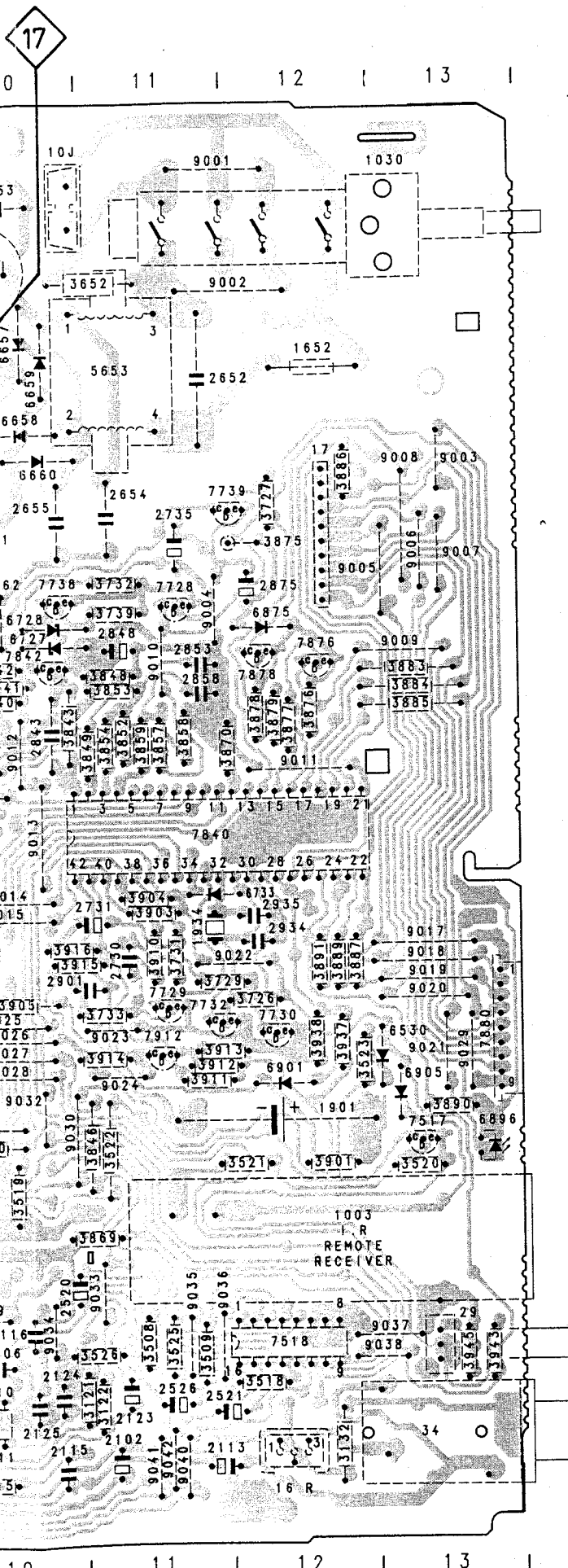


For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
 8 Cherry Tree Rd, Chinnor
 Oxon OX9 4QY
 Tel:- 01844-351694 Fax:- 01844-352554
 Email:- enquiries@mauritron.co.uk

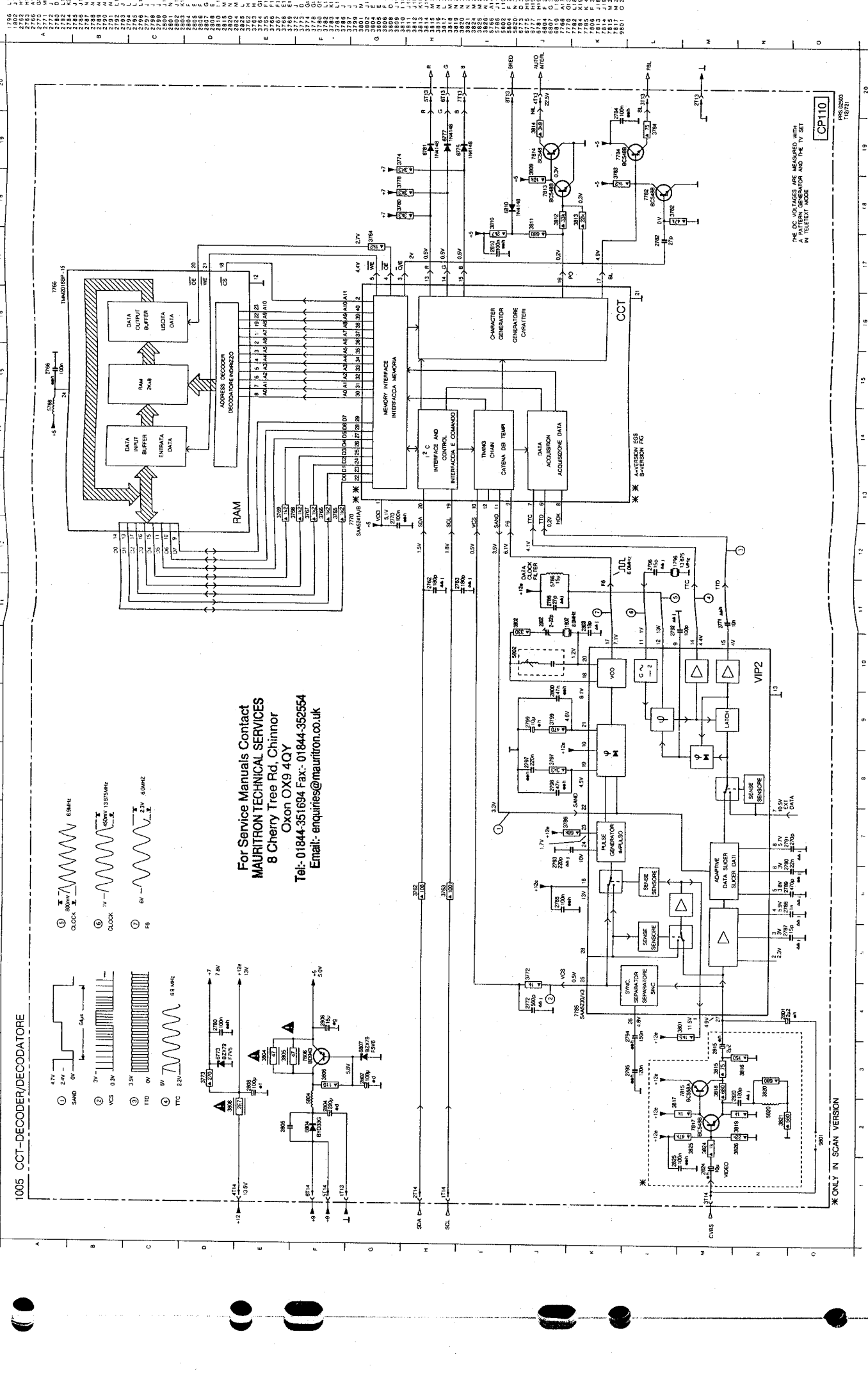


PRS 02626
 1.26.721

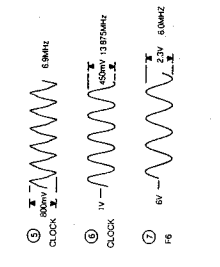




10J	A10	2620	B1	3515	K5	3867	J6	7102	K8	9064	C8	
11B	A9	2621	A4	3517	J1	3868	J6	7260	F6	9065	E8	
12G	E2	2632	B4	3518	J12	3869	H11	7505	G2	9066	E7	
13R	B2	2633	B5	3519	H10	3870	E12	7506	J9	9067	F7	
14R	D3	2638	E3	3520	H13	3871	J6	7512	G6	9068	A4	
—	15G	G5	2651	A8	3521	H12	3872	G6	7514	E9	9069	E5
18R	K12	2652	B11	3522	H11	3875	D12	7516	J5	9070	E5	
17	C12	2653	A10	3523	G12	3876	E12	7517	H13	9071	E6	
20G	E8	2654	C11	3525	J11	3877	E12	7518	J12	9072	D6	
21G	E6	2655	C10	3526	J11	3878	E12	7517	D1	9073	E4	
A	29	J13	2656	B9	3527	G4	3879	E12	7572	F1	9075	H7
34	K13	2659	D9	3528	H1	3883	D13	7573	F1	9076	G5	
39	H1	2660	B9	3529	G4	3885	E13	7630	C4	9077	G5	
1001	H2	2661	D10	3530	J4	3886	C12	7665	A9	9078	H6	
1002	K3	2662	D9	3531	H1	3887	F12	7666	D9	9079	H6	
1003	J12	2663	D8	3567	D1	3889	F12	7669	C8	9080	H7	
1030	A13	2664	C7	3568	E2	3890	G13	7671	D8	9081	J7	
1103	J9	2665	D8	3568	E2	3891	F12	7675	K6	9082	J6	
1262	G9	2666	B8	3569	E4	3901	H12	7726	E6	9083	J6	
1267	F7	2667	C8	3570	E3	3903	F11	7727	D5	9084	J6	
1270	F8	2668	D6	3571	E2	3904	F11	7728	D11	9085	K6	
1566	F3	2669	A5	3572	E1	3905	G10	7729	G11	9086	J6	
1652	B12	2670	A6	3574	F2	3910	F11	7730	G12	9087	K6	
1653	C5	2671	C5	3575	F1	3911	G11	7732	G11	9088	K5	
1654	B5	2672	D5	3576	F1	3912	G11	7738	D10	9089	K5	
1901	H12	2673	B5	3577	F1	3913	G11	7739	C12	9090	K5	
1934	F11	2675	J5	3578	F1	3914	G11	7840	F11	9091	K5	
2003	J2	2730	F11	3579	E4	3915	F10	7842	D10	9092	H5	
2004	J3	2731	F11	3580	E1	3916	F10	7865	K7	9093	H5	
2006	J3	2735	C11	3581	E3	3937	G12	7871	G6	9095	H5	
2007	J3	2836	F9	3582	E3	3938	G12	7876	D12	9096	H4	
2010	E7	2843	E10	3610	C1	3941	E9	7878	D12	9097	J2	
2101	K9	2848	D11	3611	B4	3943	J13	7880	G13	9098	J2	
2102	K11	2853	D11	3612	D4	3945	J13	7912	G11	9099	J1	
2104	J9	2858	E11	3627	C4	3946	H8	9002	B12	9100	J2	
D	2105	J9	2875	D12	3628	C5	5108	H10	9003	C13	9101	F5
2106	J10	2901	G10	3629	G3	5259	F8	9004	D11	9102	J1	
2107	J10	2915	E9	3630	G2	5260	G8	9005	D12	9103	G2	
2108	J9	2934	F12	3631	H3	5261	F8	9006	D13	9105	H4	
2110	K1	2935	F12	3632	B11	5262	H9	9007	D13	9106	G3	
—	2111	K8	3009	E3	3653	B10	5270	F9	9008	C13	9107	G3
2113	K11	3010	E7	3654	C9	5271	E6	9009	D13	9108	G3	
2114	K8	3011	E4	3655	C9	5608	D2	9010	D11	9109	G3	
2115	K10	3059	J1	3656	C10	5611	A3	9011	E12	9110	H4	
2116	J10	3101	J9	3657	B8	5620	C2	9011	A11	9111	G4	
E	2118	K9	3102	K7	3658	A9	5629	B4	9012	E10	9112	G4
2123	K11	3103	J8	3659	A9	5653	B11	9013	F10	9113	G4	
2125	K10	3104	J9	3660	B8	5654	B7	9014	F10	9114	F4	
2258	F8	3106	J8	3661	C8	5655	A8	9015	F10	9115	F4	
2259	F8	3107	K8	3662	C8	5656	C8	9017	F13	9116	G4	
F	2260	G7	3111	K8	3663	D8	5658	A6	9018	F13	9117	F4
2261	G8	3113	K8	3664	D7	5659	A5	9019	G13	9118	E3	
2263	G6	3114	K8	3665	D8	6010	E7	9020	G13	9119	E4	
2264	F7	3115	K10	3667	B5	6267	G5	9022	F12	9120	F2	
2265	F7	3121	J11	3668	C6	6490	F4	9023	G11	9121	E3	
2266	G7	3122	K11	3669	D7	6530	G13	9024	G11	9122	D2	
2267	G8	3132	K12	3670	D7	6531	J5	9025	G10	9123	D4	
2270	F8	3258	G8	3671	D6	6609	A1	9026	G10	9124	C4	
2272	G7	3259	G8	3673	D5	6610	A2	9027	G10	9125	C1	
2274	E7	3262	G9	3726	G12	6612	D4	9028	G10	9126	C5	
G	2275	F8	3263	F9	3727	C12	6619	A3	9029	G13	9127	C5
2278	G6	3264	F8	3728	D5	6630	C4	9030	H10			
2279	E8	3265	G4	3729	G11	6638	D4	9031	H10			
2280	G7	3267	E5	3730	C6	6657	B10	9032	G10			
2285	F4	3269	E5	3731	F11	6658	C10	9033	J11			
—	2286	F5	3271	E5	3732	D11	6659	B10	9034	J10		
2287	F5	3278	F9	3733	G11	6660	C10	9035	J11			
2290	F7	3279	F8	3735	E5	6661	B8	9036	J11			
2291	F6	3280	E8	3736	D6	6662	C6	9037	J13			
2292	F6	3281	F6	3737	D6	6663	A5	9038	J13			
H	2295	G6	3282	E6	3739	D11	6664	A5	9039	J10		
2296	F6	3283	G7	3740	E10	6665	C9	9040	K11			
2297	G8	3284	F7	3741	D6	6667	C9	9041	K11			
2298	F5	3285	G7	3772	D6	6668	C5	9042	K11			
2490	B1	3286	G9	3835	F10	6670	D7	9043	K9			
—	2492	F3	3287	G4	3836	E9	6670	C8	9044	J9		
2507	G1	3289	G3	3837	E8	6671	B8	9045	J8			
2520	J10	3290	G3	3841	E10	6672	C6	9046	J8			
2521	J11	3291	G3	3842	D10	6673	B5	9047	H9			
2523	G2	3487	E4	3843	E10	6674	D5	9048	J8			
J	2524	G1	3492	G3	3846	H11	6676	C6	9049	J8		
2525	G2	3501	G2	3848	D11	6726	C6	9050	J7			
2526	J11	3502	G2	3849	E11	6727	D10	9051	J7			
2527	G1	3503	G2	3851	E10	6728	D10	9052	G8			
2570	H3	3504	G2	3852	E11	6729	D6	9053	G8			
—	2572	D1	3505	G2	3853	E11	6731	E5	9054	J7		
2573	F2	3506	J5	3854	E11	6732	E5	9055	H7			
2574	F2	3507	H1	3854	E13	6733	F12	9056	H7			
2575	F3	3508	J11	3856	E10	6875	D12	9057	G7			
2609	A1	3509	J11	3857	E11	6896	H13	9058	G9			
K	2610	A2	3510	H10	3858	E11	6901	G12	9059	F8		
2611	D4	3511	H4	3859	E11	6902	K7	9060	E10			
2612	D4	3512	H5	3860	J5	6905	G13	9061	D10			
2613	D3	3513	E10	3864	J7	6944	H8	9062	D10			
2619	B2	3514	E9	3866	J7	7101	K9	9063	D7			



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



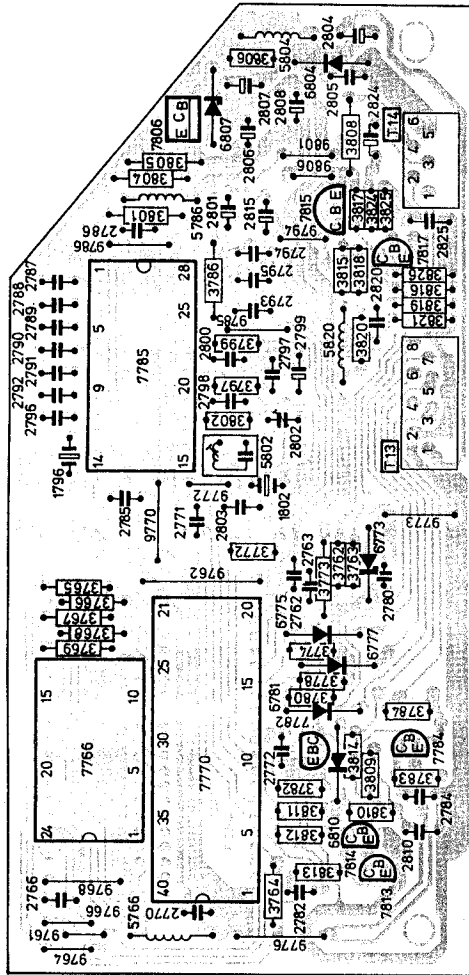
THE DC VOLTAGES ARE MEASURED WITH A PATTERN GENERATOR AND THE TV SET IN 'TELETEXT MODE'

CP110
 PHS 02003
 1/07/91

* ONLY IN SCAN VERSION

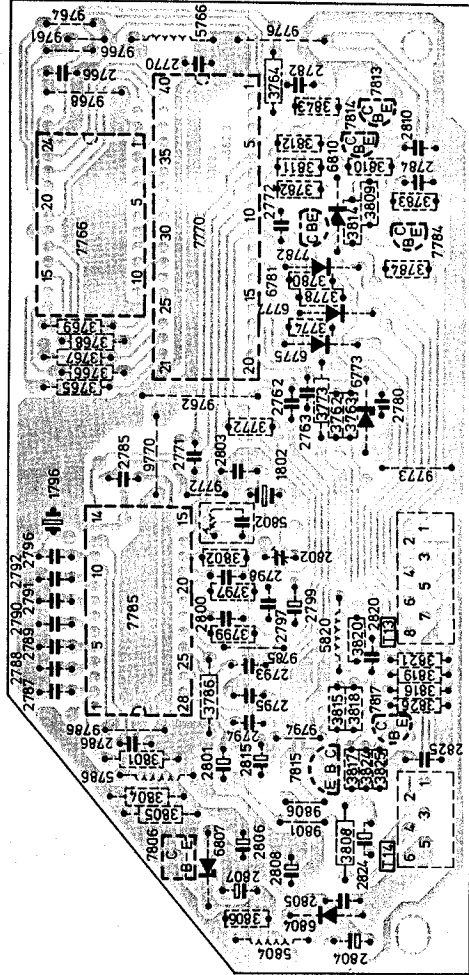
	3804 3805 3808	4822 111 30526 4822 111 30526 4822 111 30494
	2782 2786 2787 2796 2799 2802	4822 122 32192 4822 122 32192 4822 122 31197 4822 122 31197 4822 124 40435 4822 125 50045
	VARIOUS	
	1796 1802	4822 242 71417 4822 242 70932 crystal 13.875 MHz resonator 6.0 MHz
	5766 5786 5804 5820	4822 157 51462 4822 157 52224 4822 157 51157 4822 157 53001
	T13 T14	8P 6P

TXT DECODER

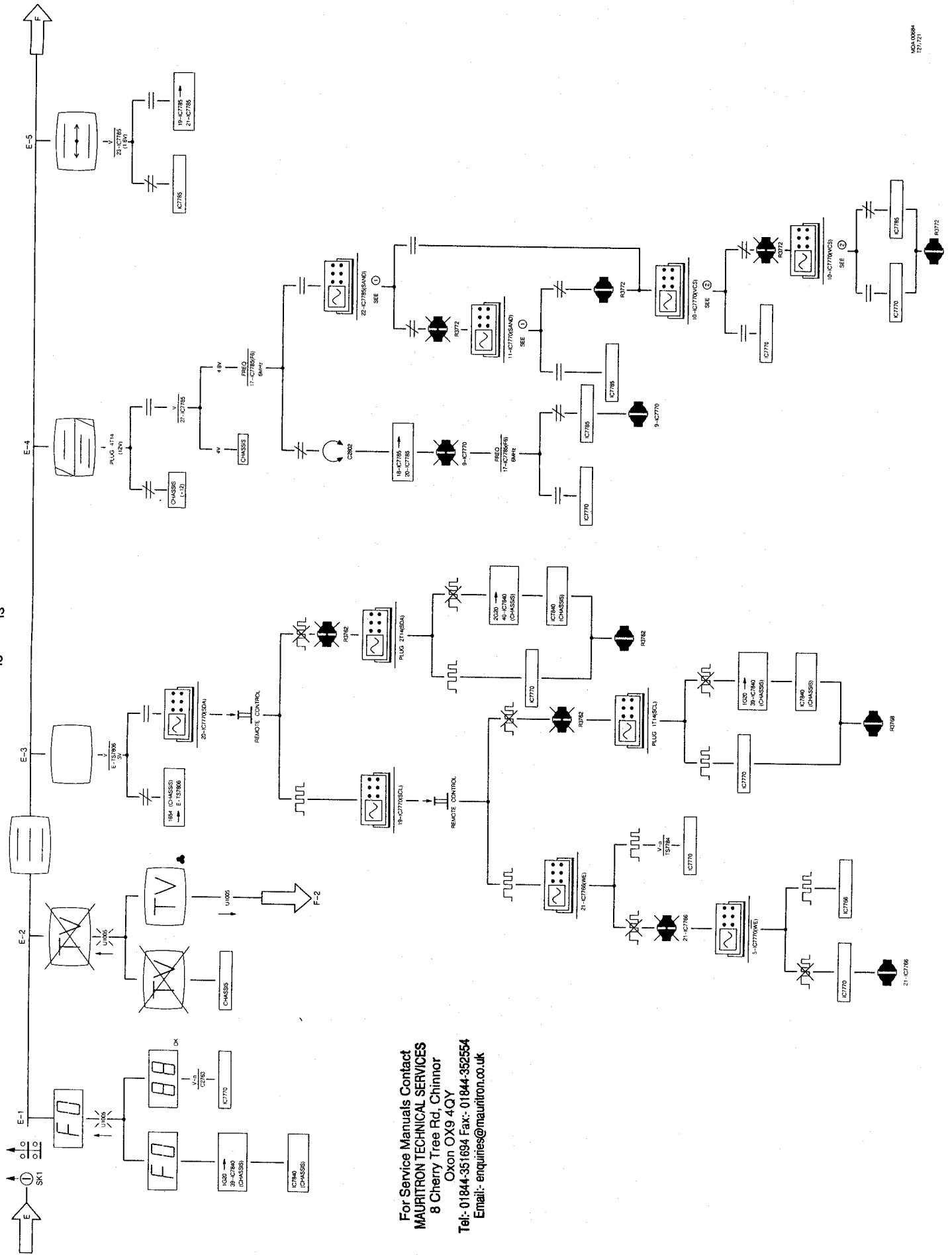


39 937 B12

TXT DECODER

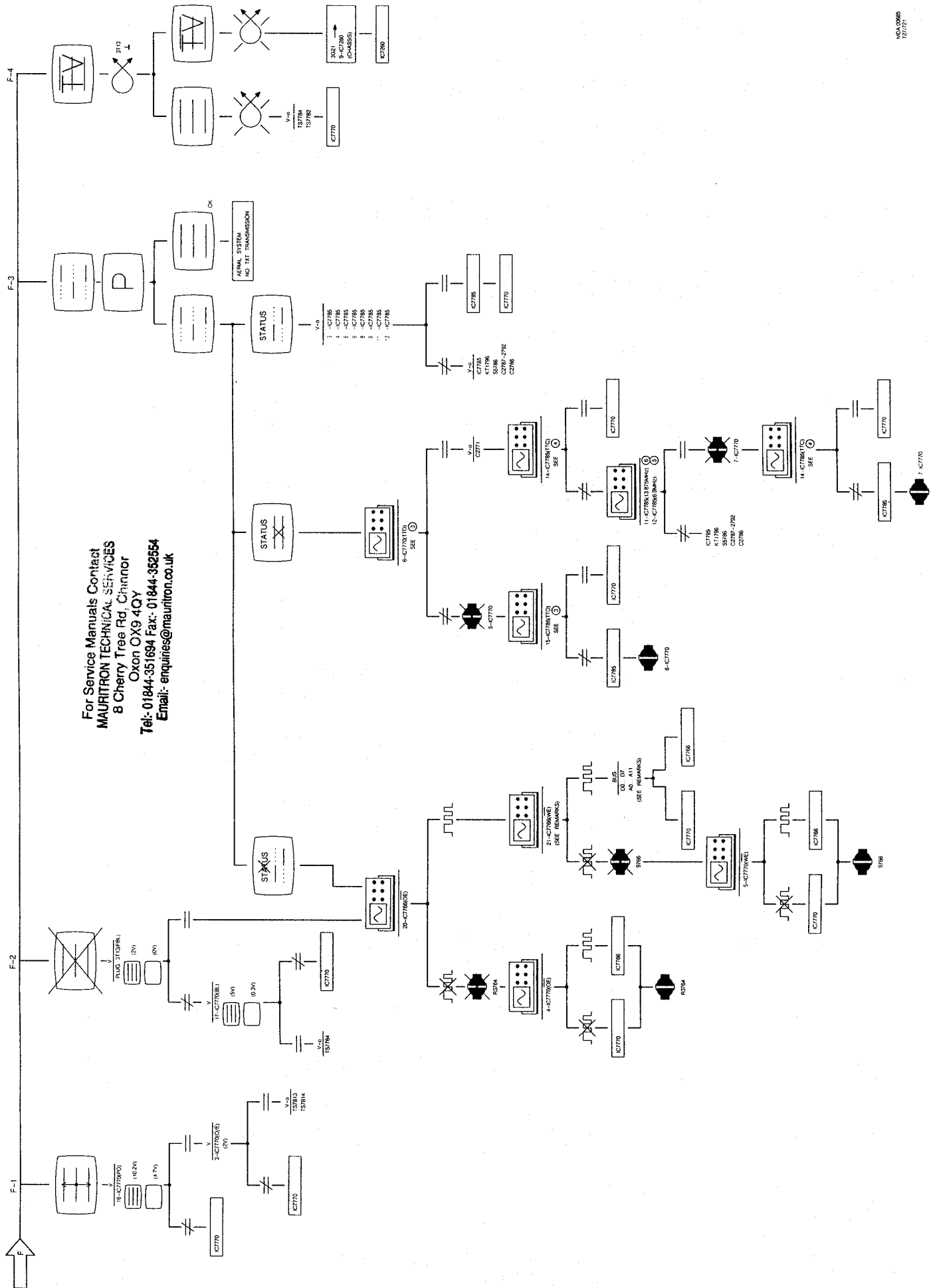


39 938 B12



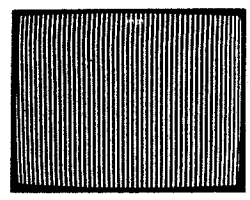
For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
 8 Cherry Tree Rd, Chinnor
 Oxon OX9 4QY
 Tel: 01844-351694 Fax: 01844-352554
 Email: enquiries@mauriton.co.uk

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

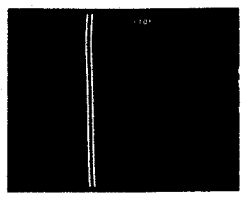


LOCATING BUS ERRORS IN THE TELETEXT DECODER

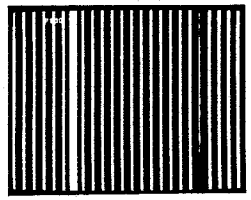
1. Loosen resistor 3784 on teletext decoder 1005.
Connect a piece of wire with measuring pin to pin 9 of IC7260.
2. Connect a TV pattern generator (i.e. PM5519) and tune the receiver normally.
Apply a white pattern and select the teletext mode with the remote control.
3. When transferring the measuring-pin to the points of IC7770 which are indicated under the pictures below a defined pattern is not present, but a uniform white or dark picture arises, there is question of short-circuit or an open connection on the relevant point. It may be caused by one of the two ICs, namely IC7766 - IC7770.



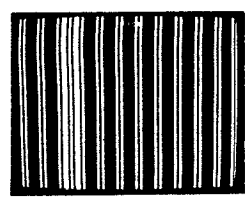
OE 4-IC7770



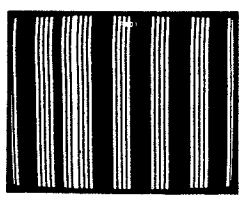
WE 5-IC7770



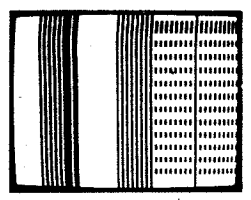
A0 30-IC7770



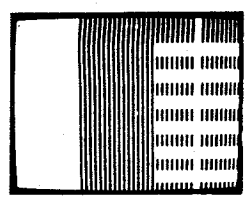
A1 31-IC7770



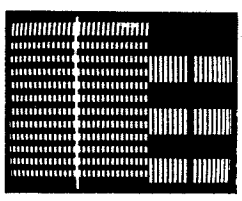
A2 32-IC7770



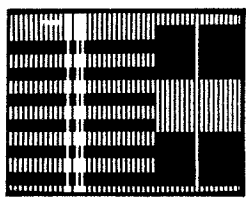
A3 33-IC7770



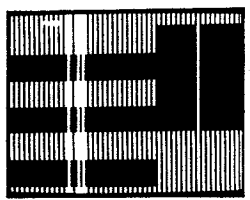
A4 34-IC7770



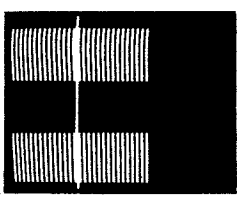
A5 35-IC7770



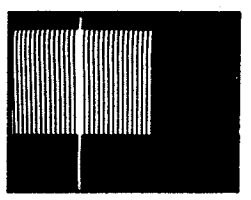
A6 36-IC7770



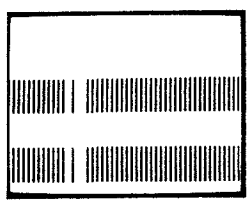
A7 37-IC7770



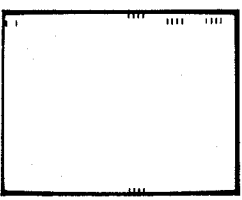
A8 38-IC7770



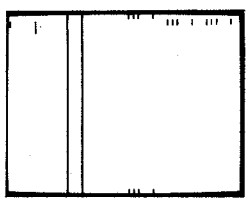
A9 39-IC7770



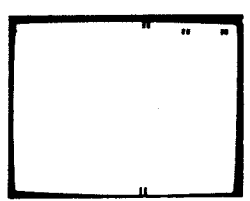
A10 40-IC7770



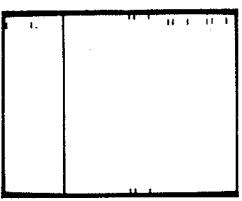
D0 22-IC7770



D1 23-IC7770



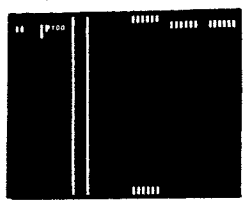
D2 24-IC7770



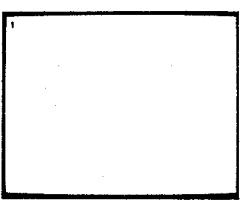
D3 25-IC7770



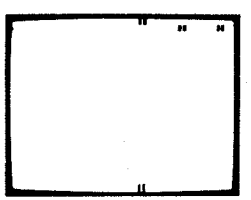
D4 26-IC7770



D5 27-IC7770




D6 28-IC7770



D7 29-IC7770

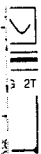
For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
 8 Cherry Tree Rd, Chinnor
 Oxon OX9 4QY
 Tel: 01844-351694 Fax: 01844-352554
 Email: enquiries@mauritron.co.uk

QUICK DIAGNOSIS CHART

Indication on programme display Indikation auf Programm Anzeige	Incorrect functioning Unrichtiges Funktionieren	Correct functioning Richtiges Funktionieren	Possible defective component Eventuelle schadhafte Komponente
F0			IC7770 C2763 (U1005) IC7840
F1			+12 supply +12 Speisung IC7840
F2			IC7840
F3			IC7840
88 O.K.	R.C. commands Fernbedienungs- befehle	Local keyboard commands Nahbedienungs- befehle	U1003 (IR-receiver)
88 O.K.			IC7865



R37



2T



R

7

7

3

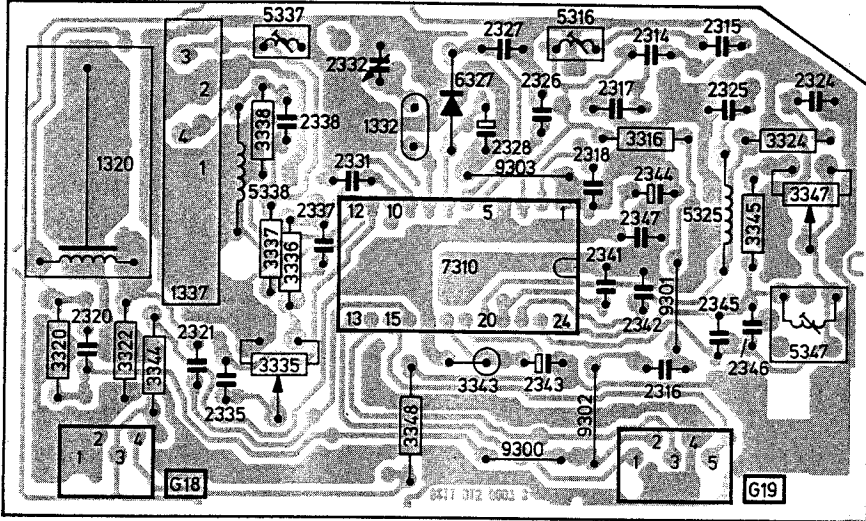
74

Z

5

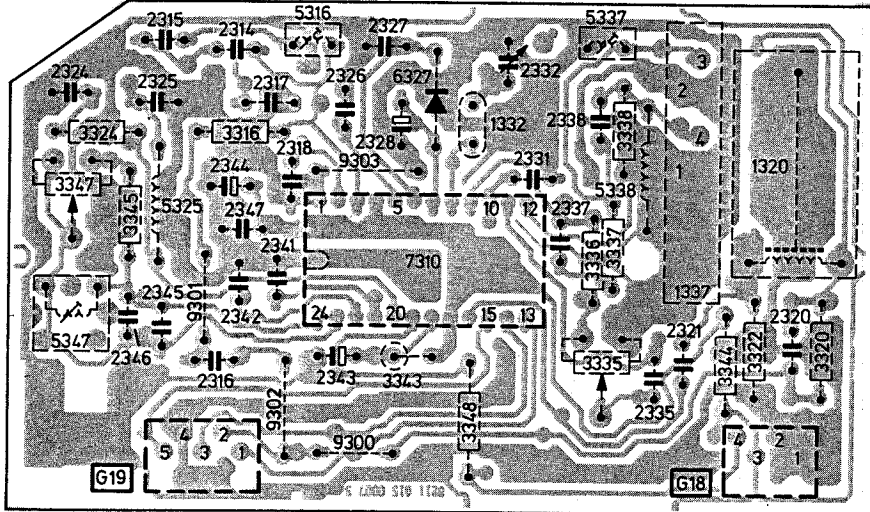
For Service Manuals Contact
 MAURITRON TECHNICAL SERVICES
 8 Cherry Tree Rd, Chinnor
 Oxon OX9 4QY
 Tel:- 01844-351694 Fax:- 01844-352554
 Email:- enquiries@mauritron.co.uk

SECAM/PAL TRANSCODER

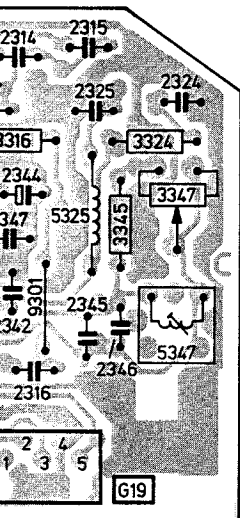


41 632 A12

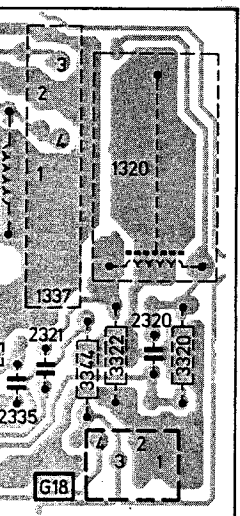
SECAM/PAL TRANSCODER



41 633 A12



41 632 A12



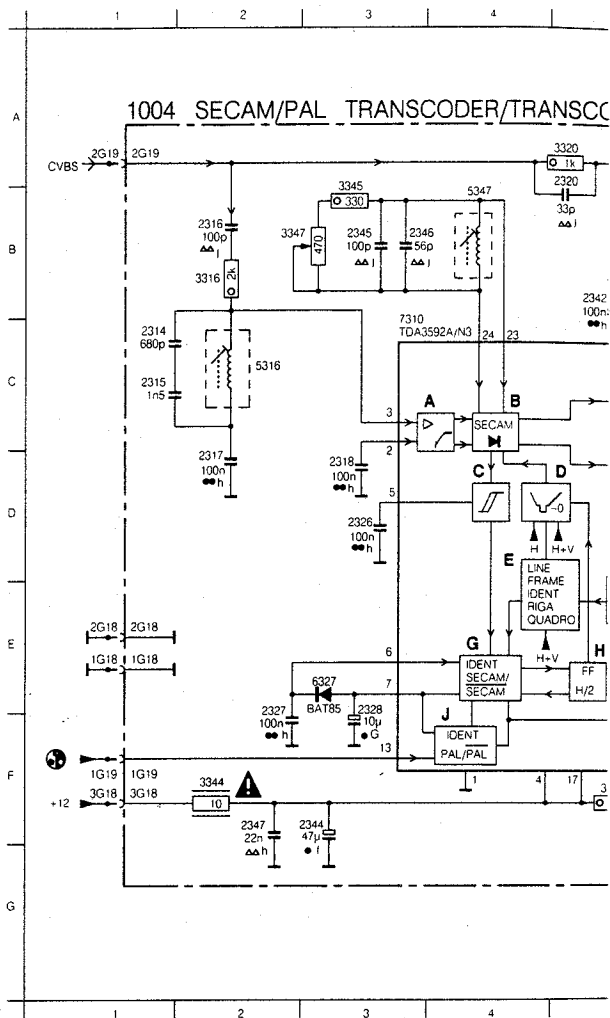
41 633 A12

SECAM/PAL TRANSCODER

	TDA3592A/N3 4822 209 11389	
	BAT85 4822 130 31983	
	5316 4822 156 10998 5325 4822 156 21125 5337 4822 156 21027 5338 4822 157 52278 5347 4822 157 53046	
	3335 4822 100 20149 2.2 kΩ potm. 3344 4822 111 30508 10 Ω 0.33 W 3347 4822 101 10651 470 Ω potm.	
	2314 4822 121 42995 680 pF 100V 2315 4822 121 42994 1.5 nF 100V 2328 4822 124 40435 10 μF 50V 2332 4822 125 50045 20 pF trimm.	
VARIOUS		
1320 4822 157 53047 delay line DL450 1332 4822 242 70323 crystal 4.43 MHz 1337 4822 320 40096 delay line DL701		
	G18 4822 266 30276 4P G19 4822 265 40503 5P	

3592A/N3	4822 209 11389	
5	4822 130 31983	
	4822 156 10998	
	4822 156 21125	
	4822 156 21027	
	4822 157 52278	
	4822 157 53046	
	4822 100 20149	2.2 kΩ potm.
	4822 111 30508	10 Ω 0.33 W
	4822 101 10651	470 Ω potm.
	4822 121 42995	680 pF 100V
	4822 121 42994	1.5 nF 100V
	4822 124 40435	10 μF 50V
	4822 125 50045	20 pF trimm.
US		
	4822 157 53047	delay line DL450S
	4822 242 70323	crystal 4.43 MHz
	4822 320 40096	delay line DL701
	4822 266 30276	4P
	4822 265 40503	5P

1320	A 5	2315	C 1	2320	A 5	2326	D 3	2332	B 8	2341
1332	B 7	2316	B 2	2321	A 6	2327	E 2	2335	E 9	2342
1337	E 10	2317	D 2	2324	B 7	2328	E 3	2337	D 10	2343
2314	C 1	2318	D 3	2325	B 6	2331	B 8	2338	E 9	2344



ADJUSTMENTS SECAM/PAL TRANSCODER

1. "Circuit cloche"

Disconnect jumper 9302 at one side.
 Apply a signal of a signal generator to capacitor 23
 Adjust the frequency of the signal generator for 4.2 MHz.
 Connect an oscilloscope to pin 3 of IC7310.
 Adjust 5316 for maximum amplitude.

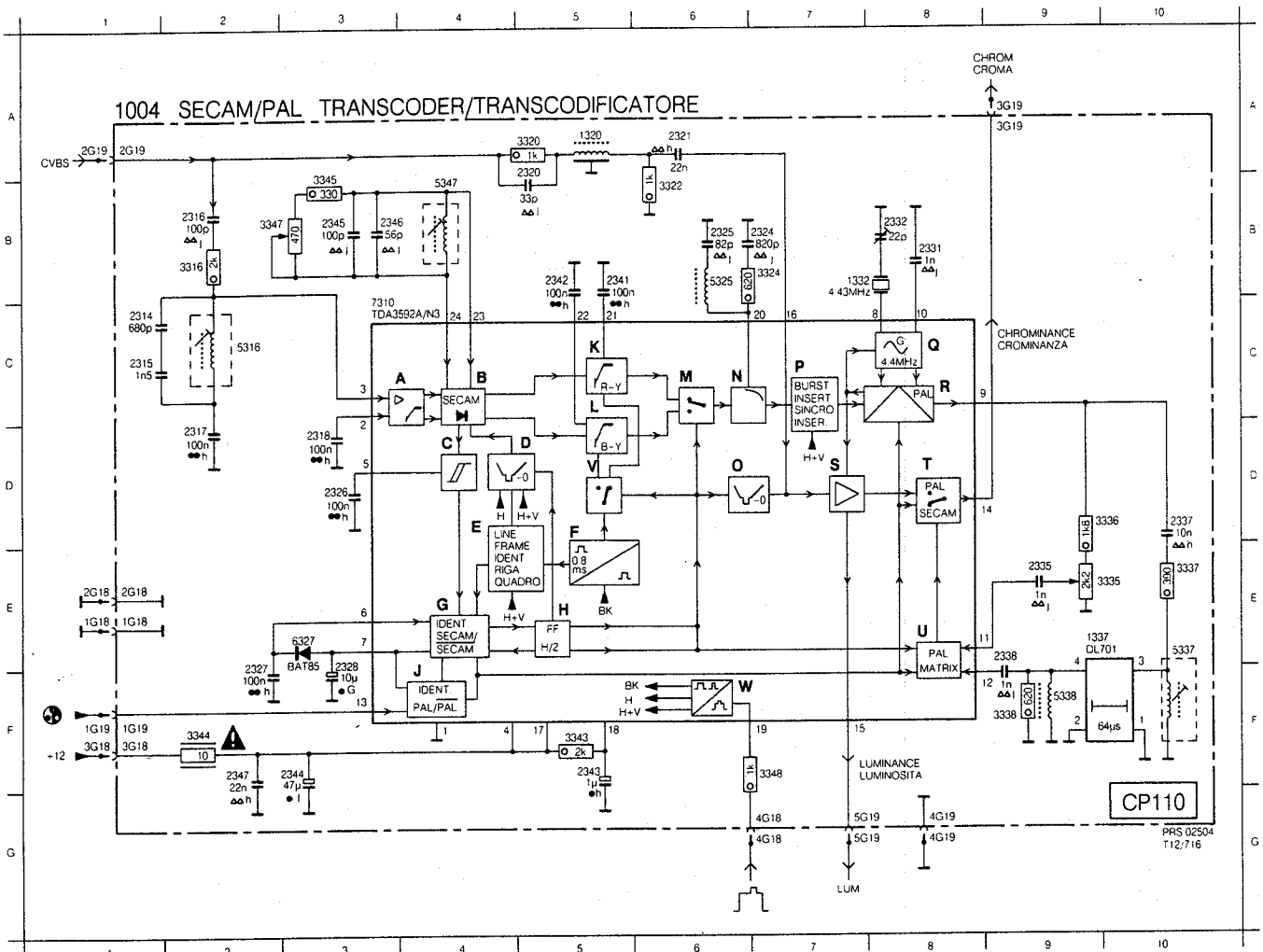
2. Subcarrier oscillator

Apply a 75 % SECAM colour bar pattern.
 Connect 6-IC7310 by means of a 10kΩ resistor to ground.
 Connect a frequency counter with a high input impedance (via a probe C ≤ 2pF) to pin 26-IC7260
 Adjust 2332 for a frequency of 8.867236 MHz.

3. SECAM demodulator

Apply a SECAM black frame signal.
 Connect an oscilloscope to pin 14 of IC7310.
 Adjust 3347 and 5347 for a minimum modulation.

1320	A 5	2315	C 1	2320	A 5	2326	D 3	2332	B 8	2341	B 5	2345	B 3	3320	A 5	3336	D10	3344	F 2	5316	C 2	5347	B 4
1332	B 7	2316	B 2	2321	A 6	2327	E 2	2335	E 9	2342	B 5	2346	B 3	3322	B 6	3337	E10	3345	B 3	5325	B 6	5327	E 3
1337	E10	2317	D 2	2324	B 7	2328	E 3	2337	D10	2343	F 5	2347	F 2	3324	B 7	3338	F 9	3347	B 2	5337	E10	7310	C 3
2314	C 1	2318	D 3	2325	B 6	2331	B 8	2338	E 9	2344	F 3	3316	B 2	3335	E10	3343	F 5	3348	F 7	5338	F 9		



ADJUSTMENTS SECAM/PAL TRANSCODER

1. "Circuit cloche"

Disconnect jumper 9302 at one side.
 Apply a signal of a signal generator to capacitor 2316.
 Adjust the frequency of the signal generator for 4.286 MHz.
 Connect an oscilloscope to pin 3 of IC7310.
 Adjust 5316 for maximum amplitude.

2. Subcarrier oscillator

Apply a 75 % SECAM colour bar pattern.
 Connect 6-IC7310 by means of a 10kΩ resistor to ground.
 Connect a frequency counter with a high input impedance (via a probe $C \leq 2pF$) to pin 26-IC7260.
 Adjust 2332 for a frequency of 8.867236 MHz.

3. SECAM demodulator

Apply a SECAM black frame signal.
 Connect an oscilloscope to pin 14 of IC7310.
 Adjust 3347 and 5347 for a minimum modulation.

4. Delay line

a. amplitude



































































Apply a SECAM red frame signal.
 Connect an oscilloscope to pin 28 of IC7260.
 Adjust 3335 for an equal amplitude of the lines.












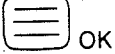







b. phase

Adjust for a normal brightness and contrast.
 Connect an oscilloscope to pin 16 of IC7260.
 Apply a 75 % colour bar pattern.
 Adjust the saturation control for an as flat as possible output voltage.
 Then apply a 75% SECAM colour bar pattern.
 Adjust 5337 so that the signal is virtually flat.

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

SYMBOLS FOR FAULT-FINDING TREES

	Supply aerial signal (colour)		Normal sound		Line frame (Venetian blinds)
	Remove aerial signal		No or weak sound		Heavy horizontal bars
	Connect generator colour signal		No sound		Unstable TV picture
	Carry out voltage measurements		Sound distorted		Inject with frequency 2 half volume
	Carry out resistance (Ohmic) measurements		Connect black / white picture		... doesn't work
	Check ...		No or weak picture		Tune in ... Band
	Correct		Uniformly discoloured frame with no or weak picture		Colours
	Incorrect		Picture discoloured uniformly		One or two colours weak or not present
	Check circuit between and		Vertical amplitude too small or too large		Weak colours
	Set ...		Horizontal amplitude too small or too large		No colours
	Set ...		No vertical deflection		Switch the set on
	Remove unit		No vertical synchronisation		Correct television colour picture
	Insert unit		No horizontal synchronisation		TV-mode
	Connect the points A and B		Horizontal centring incorrect		Teletext-mode
	Remove connection between points A and B		Vertical centring incorrect		Teletext rows are missing or include incorrect characters
	Adjustment (general)		Vertical linearity incorrect		Statusrow is correct, other TXT-rows are missing
	Adjustment yields no result		The left and right vertical lines are curved		Statusrow is correct, other rows include errors
	Filament of picture tube glows		No horizontal deflection		Statusrow is not correct, other rows include errors
	Filament of picture tube does not glow		No synchronisation		Select other programm
	Too much light		Colour blurs in black / white picture		Unsynchronized TXT-picture
	Insufficient light		Strong colour noise in black / white picture		Teletext picture moves left / right
	No light		Correct sequence of colours		Teletext picture moves up / down

	Replace IC ...		No or weak horizontal bars
	Desolder ...		Vertical lines are curved no TV picture no synchronisation
	Resolder ...		Error indication on display
	Measure the signal / oscillogram		Programme display correct
	Measure frequency		No teletext
	Pulse / pulse train present		Teletext correct
	Pulse / pulse train not present		Mixed teletext and TV picture
	Check lines ... for bus errors		
	Depress key ...		
	Is approximately equal to ...		
	Is equal to ...		
	Is not equal to ...		

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

SYMBOLS USED IN CIRCUIT DIAGRAMS

SYMBOL	TYPE	$t \begin{smallmatrix} P \\ 70^\circ \\ \text{amb} \end{smallmatrix}$	TOLERANCE	SERIES
	SFR16T	0.5	1E - 3M 5%	E24
	SFR25H	0.5	1E - 10M 5%	E24
	MRS25	0.6	1E - 1M 1%	E24
	MR30	0.5	1E - 1M 1% (2%)	E24
	VR37	0.5	220K - 33M 5%	E24
	PR37	1.6	1E - 1M 5%	E24
	VR68	1	100K - 68M 5%	E24
	MRS 16T	0.4	10R - 100K	E24/E96

SYMBOL	TYPE	VOLTAGE DC	TOLERANCE
	POLYESTER FLATFOIL	SEE NOTE	10%
	PLATE CERAMIC	SEE NOTE	DEPENDING ON CAPACITY
	ELCO MINIATURE SINGLE	SEE NOTE	-10+50%
	ELCO SINGLE ENDED	SEE NOTE	±20%

NOTE:

*	f = 25V	q = 200V	x = 1000V	E = 20V
	g = 40V	r = 250V	z = 1600V	F = 35V
a = 2.5V	h = 63V	s = 300V	A = 1.6V	G = 50V
b = 4V	j = 100V	t = 350V	B = 6V	H = 75V
c = 6.3V	l = 125V	u = 400V	C = 12V	I = 80V
d = 10V	m = 150V	v = 500V	D = 15V	
e = 16V	n = 160V	w = 630V		

39 301 A13/617

Service Information

1989-04-13

CHASSIS CP 110

CT89-02

(GB)

In the course of production, the carrier panel and the picture tube panel have been modified. These modified panels have been applied in sets whose serial numbers start with QGII, AGII or higher.

Also in sets with serial numbers starting with QG09, AG09, the FLOF teletext has been introduced together with a mask change of the microprocessor:

TMP47C432 – 8188 for TXT CEEFAX
TMP47C432 – 8189 for TXT FLOF

So this means that, depending on the microprocessor, either a TXT CEEFAX or a TXT FLOF can be built into a non-teletext set.

This service information gives the modified and new circuit diagrams, the print layouts of the modified and the new printed boards and the parts lists.

(F)

En cours de production, la platine porteuse et celle du tube image ont été modifiées. Ces platines sont montées dans des appareils dont le n° de série commence par QGII, AGII et suivants.

Dans les appareils dont le n° de série commence par QG09, AG09 et suivants il y a également eu l'introduction du télétexte FLOF. Ceci a été de pair avec un changement du masque du microprocesseur.
A savoir:

TMP47C432 – 8188 pour le TXT CEEFAX
TMP47C432 – 8189 pour le TXT FLOF

Ceci signifie donc que dans des appareils ne présentant pas de télétexte, il y a moyen de monter soit un TXT CEEFAX, soit un TXT FLOF, ceci indépendamment de la version du microprocesseur.

Cette Info Service comporte les nouveaux schémas de principe modifiés, les dessins de platines des platines nouvelle et ancienne version et, la liste de pièces.

(NL)

Tijdens productie zijn het dragerpaneel en het beeldbuispaneel gewijzigd. Deze gewijzigde panelen zijn toegepast in apparaten waarvan het serienummer begint met QGII, AGII of hoger.

Tevens is in apparaten waarvan het serienummer begint met QG09, AG09 of hoger de FLOF teletekst ingevoerd. Dit is samen gegaan met een masker wijziging van de microprocessor:

TMP47C432 – 8188 voor TXT CEEFAX
TMP47C432 – 8189 voor TXT FLOF

Dit betekent dus dat in niet teletekst apparaten afhankelijk van de microprocessor versie een TXT CEEFAX of een TXT FLOF ingebouwd kan worden.

In deze service informatie worden de gewijzigde en nieuwe principe schema's, de print lay-outs van de gewijzigde en nieuwe panelen en de stuklijst gegeven.

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

(D)

Während der Produktion wurden die Trägerplatte und die Bildröhreplatte geändert. Diese geänderten Platten sind in Geräten, deren Seriennummer mit QGII, AGII oder höher anfängt, angewandt.

Gleichzeitig wurde in Geräten, deren Seriennummer mit QG09, AG09 oder höher anfängt, der FLOF-Videotext eingeführt. Dies war verbunden mit einer Maskenänderung des Mikroprozessors.
Nämlich:

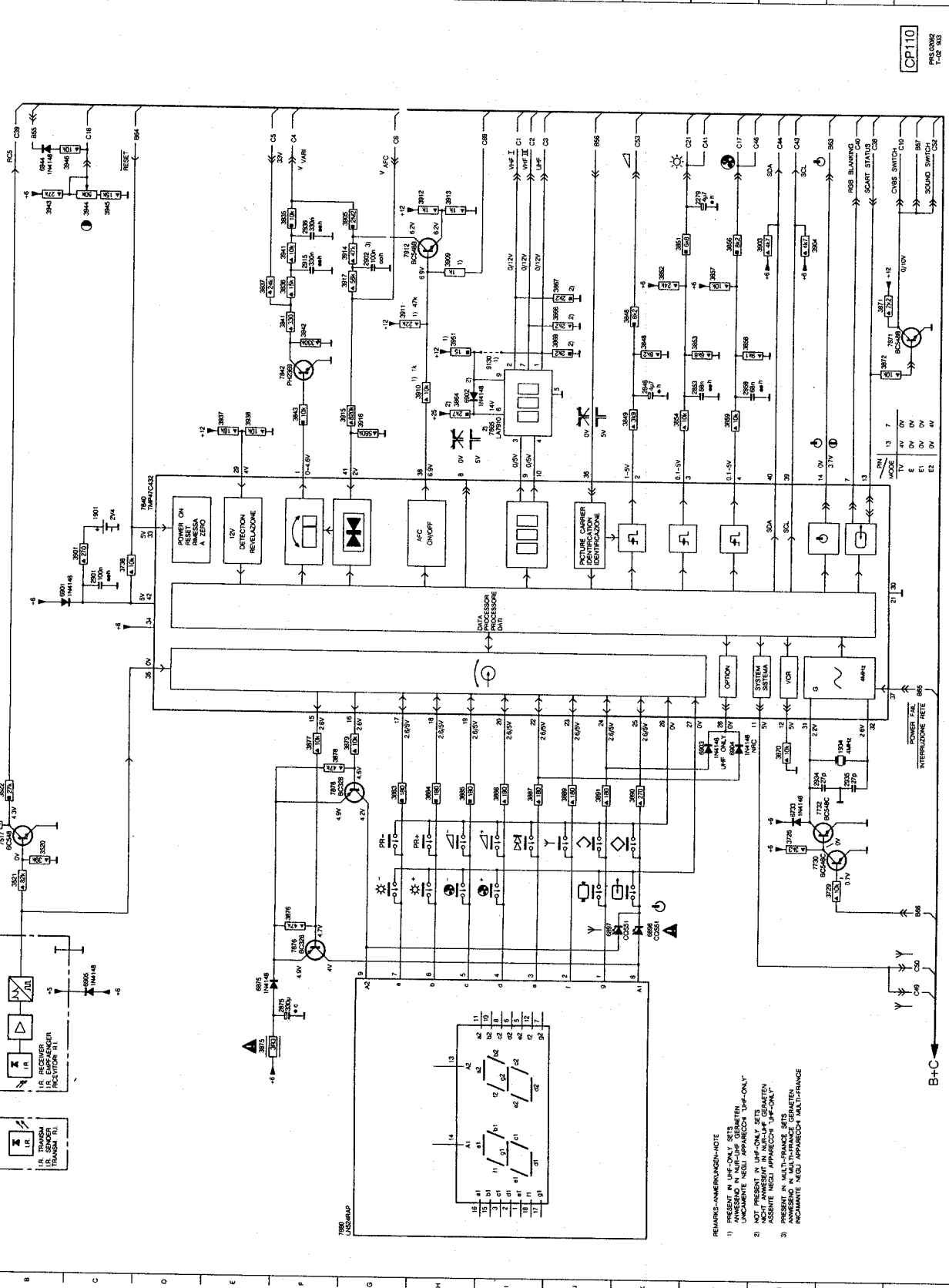
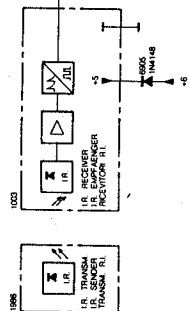
TMP47C432 – 8188 für TXT CEEFAX
TMP47C432 – 8189 für TXT FLOF

Das bedeutet also, dass in Nicht-Videotext-Geräte je nach Mikroprozessor-Ausführung ein TXT CEEFAX oder ein TXT FLOF eingebaut werden kann.

In dieser Service-Information sind die geänderten und neuen Prinzipschaltbilder, die Printplattenauslegungen der geänderten und neuen Platten und die Stückliste enthalten.

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

DIAGRAM-SCHALTBILD--SCHEMA A

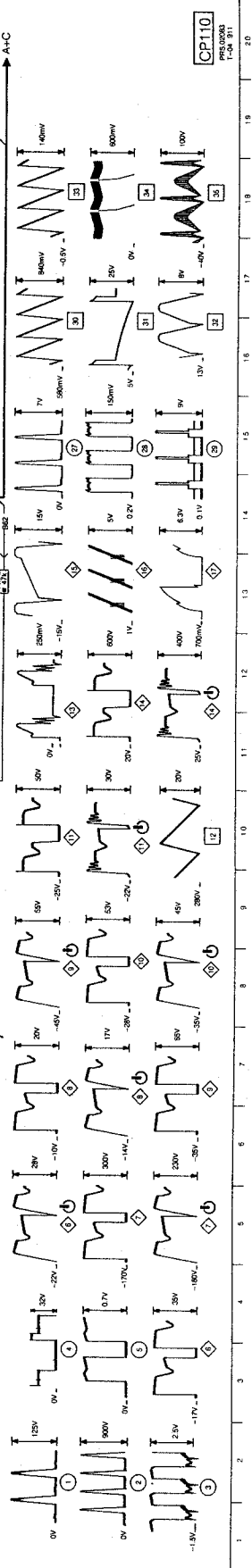
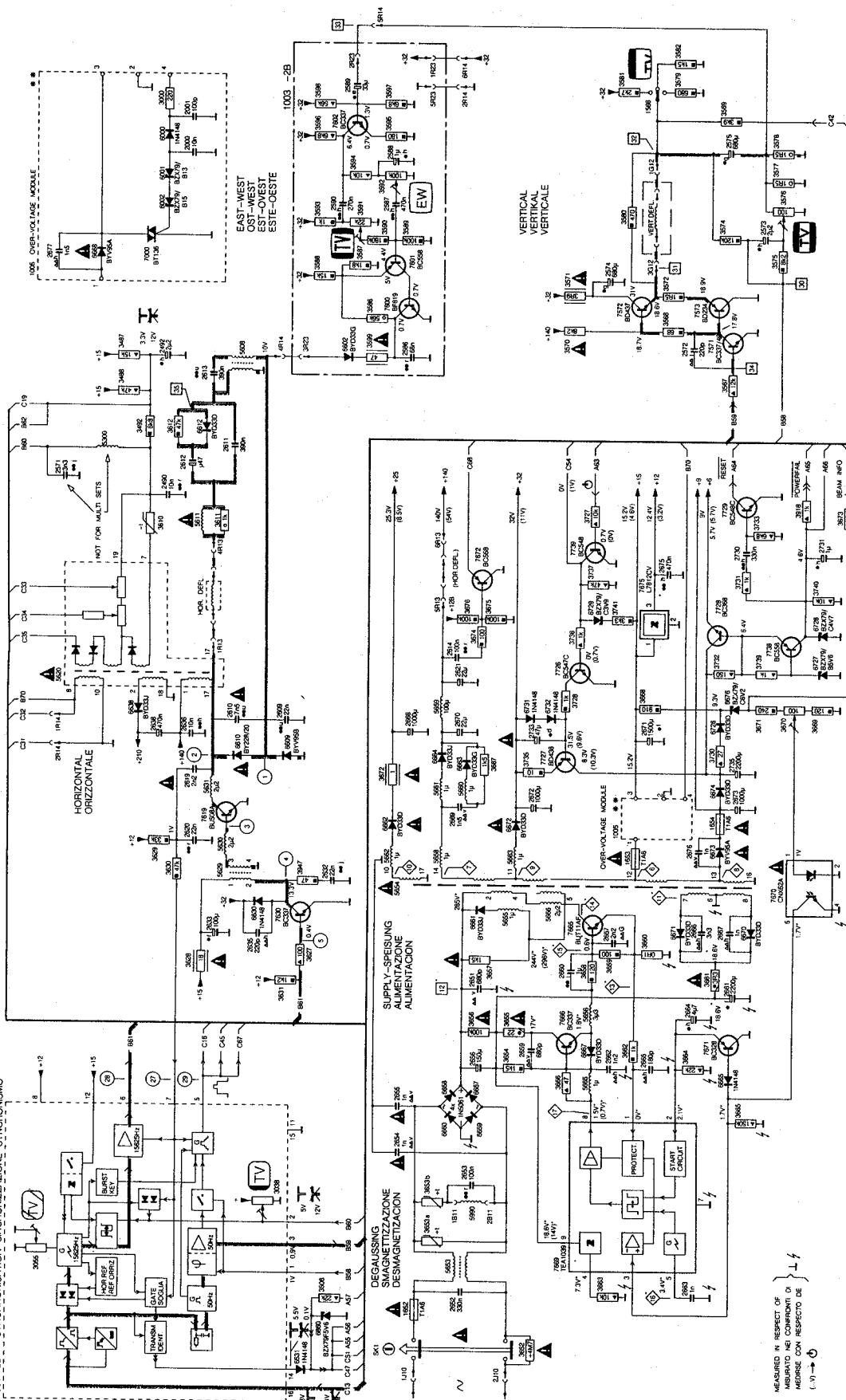


REMARKS--ANMERKUNGEN--NOTE
 1) PRESENT IN UHF-ONLY SETS
 ANWESSEND IN UHF-NUR-GERÄTEN
 ANWESSEND IN UHF-NUR-GERÄTEN
 2) NOT PRESENT IN UHF-ONLY SETS
 NICHT ANWESSEND IN UHF-NUR-GERÄTEN
 ASSIEME NEGLI APPARECCHI "UHF-ONLY"
 ANWESSEND IN UHF-NUR-GERÄTEN
 3) ANWESSEND IN MULTI-FRANCE GERÄTEN
 ANWESSEND IN MULTI-FRANCE GERÄTEN
 INCAMANTE NEGLI APPARECCHI MULTI-FRANCE

1003	A 3
1004	A 4
1005	A 5
1006	A 6
1007	A 7
1008	A 8
1009	A 9
1010	A 10
1011	A 11
1012	A 12
1013	A 13
1014	A 14
1015	A 15
1016	A 16
1017	A 17
1018	A 18
1019	A 19
1020	A 20
1021	A 21
1022	A 22
1023	A 23
1024	A 24
1025	A 25
1026	A 26
1027	A 27
1028	A 28
1029	A 29
1030	A 30
1031	A 31
1032	A 32
1033	A 33
1034	A 34
1035	A 35
1036	A 36
1037	A 37
1038	A 38
1039	A 39
1040	A 40
1041	A 41
1042	A 42
1043	A 43
1044	A 44
1045	A 45
1046	A 46
1047	A 47
1048	A 48
1049	A 49
1050	A 50
1051	A 51
1052	A 52
1053	A 53
1054	A 54
1055	A 55
1056	A 56
1057	A 57
1058	A 58
1059	A 59
1060	A 60
1061	A 61
1062	A 62
1063	A 63
1064	A 64
1065	A 65
1066	A 66
1067	A 67
1068	A 68
1069	A 69
1070	A 70
1071	A 71
1072	A 72
1073	A 73
1074	A 74
1075	A 75
1076	A 76
1077	A 77
1078	A 78
1079	A 79
1080	A 80
1081	A 81
1082	A 82
1083	A 83
1084	A 84
1085	A 85
1086	A 86
1087	A 87
1088	A 88
1089	A 89
1090	A 90
1091	A 91
1092	A 92
1093	A 93
1094	A 94
1095	A 95
1096	A 96
1097	A 97
1098	A 98
1099	A 99
1100	A 100

CP110
 P. 50, 502

DIAGRAM-SCHALTBILD-SCHHEMA-DIAGRAMMA B
 1001-28 SYNCHRONISATION-SINCROZZAZIONE-SINCROZISMO



MEASURED IN RESPECT OF
 MISURATO NEI COMPONENTI DI
 MISURE CON RISPETTO DE
 (-) → 0

A	1	3918	L13
A	1	3919	L13
A	1	3920	L13
A	1	3921	L13
A	1	3922	L13
A	1	3923	L13
A	1	3924	L13
A	1	3925	L13
A	1	3926	L13
A	1	3927	L13
A	1	3928	L13
A	1	3929	L13
A	1	3930	L13
A	1	3931	L13
A	1	3932	L13
A	1	3933	L13
A	1	3934	L13
A	1	3935	L13
A	1	3936	L13
A	1	3937	L13
A	1	3938	L13
A	1	3939	L13
A	1	3940	L13
A	1	3941	L13
A	1	3942	L13
A	1	3943	L13
A	1	3944	L13
A	1	3945	L13
A	1	3946	L13
A	1	3947	L13
A	1	3948	L13
A	1	3949	L13
A	1	3950	L13
A	1	3951	L13
A	1	3952	L13
A	1	3953	L13
A	1	3954	L13
A	1	3955	L13
A	1	3956	L13
A	1	3957	L13
A	1	3958	L13
A	1	3959	L13
A	1	3960	L13
A	1	3961	L13
A	1	3962	L13
A	1	3963	L13
A	1	3964	L13
A	1	3965	L13
A	1	3966	L13
A	1	3967	L13
A	1	3968	L13
A	1	3969	L13
A	1	3970	L13
A	1	3971	L13
A	1	3972	L13
A	1	3973	L13
A	1	3974	L13
A	1	3975	L13
A	1	3976	L13
A	1	3977	L13
A	1	3978	L13
A	1	3979	L13
A	1	3980	L13
A	1	3981	L13
A	1	3982	L13
A	1	3983	L13
A	1	3984	L13
A	1	3985	L13
A	1	3986	L13
A	1	3987	L13
A	1	3988	L13
A	1	3989	L13
A	1	3990	L13
A	1	3991	L13
A	1	3992	L13
A	1	3993	L13
A	1	3994	L13
A	1	3995	L13
A	1	3996	L13
A	1	3997	L13
A	1	3998	L13
A	1	3999	L13
A	1	4000	L13

1001	C	3	1270	B13	2101	120	2110	H	3	2124	K18	2266	C11	2286	F13	2401	B17	2411	E18	2525	L	5	3103	J14	3117	M15	3264	B10	3282	B14	3292	G15	3407	D16	3412			
1002	C	1	1990	O22	2102	121	2111	K21	2125	K17	2267	C12	2287	F12	2402	F17	2412	B18	2526	L14	3104	J15	3118	L15	3265	J	8	3283	F	9	3293	G14	3409	H18	3414			
1003	A16	2003	E	1	2103	119	2112	K22	2258	B	7	2270	B12	2290	F15	2403	D17	2413	G18	2527	L	5	3106	L20	3121	K18	3287	F14	3284	B10	3294	H14	3410	H18	3414			
1004	L13	2004	E	1	2104	K14	2113	J21	2259	B	8	2272	F10	2291	F15	2404	H18	2503	K	3	3009	F	3	3107	K20	3122	K19	3269	F13	3285	B11	3295	H11	3411	H17	3413		
1005	110	2006	E	1	2105	K15	2114	K20	2260	B	8	2274	B14	2292	F14	2405	G17	2507	L	4	3010	F	3	3111	J21	3132	I21	3271	F12	3286	C	7	3402	C16	3412	G17	3413	
1103	114	2007	E	2	2106	K17	2115	J21	2261	B	7	2275	F	9	2295	G11	2406	A17	2520	K17	3011	F	3	3113	K21	3258	B	6	3278	B12	3287	J	8	3403	B17	3413	H16	3413
1104	J14	2008	C	3	2107	117	2116	K18	2263	C	8	2278	E	8	2296	F16	2407	F21	2521	K	5	3059	L	9	3114	K21	3259	B	7	3279	B14	3289	F13	3404	G17	3414	G16	3413
1262	C	7	2009	C	3	2108	115	2118	K19	2264	B11	2280	F10	2297	C	6	2408	G20	2523	M16	3101	I19	3115	K21	3262	C	7	3280	B15	3290	F13	3405	E16	3415	G16	3413		
1267	C11	2010	G	2	2109	116	2123	L19	2265	C10	2285	F14	2298	C14	2409	H19	2524	M	5	3102	I21	3116	M14	3263	C	8	3281	B14	3291	F12	3406	E17	3416	H17	3413			

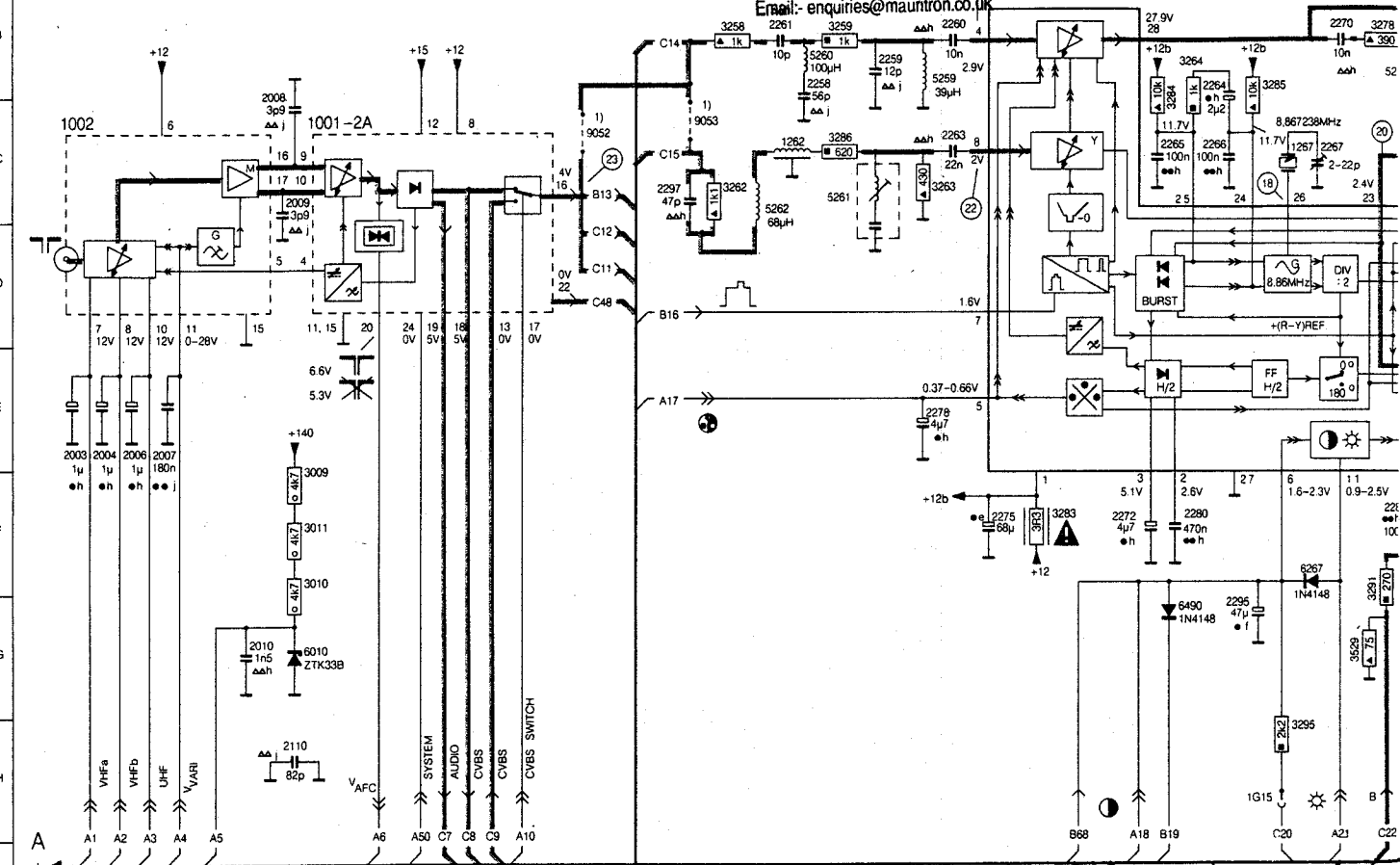
DIAGRAM-SCHALTBIKD-SCHEMA-DIAGRAMA C

CHANNEL SELECTOR
KANALWAELHLER
SELETORE CANALE
SELETORE DE CANALES

IF AMPL.+DET. +AGC. +AFC.
ZF VERST. +DEM. +AVR. +AFA.
AMPL. FI +RIVEL. CAG. +CAF.
AMPL. FI +DET. +CAG. +CAF.

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

CHROMINANCE + LUMINANCE
FARBART + LEUCHTDICHTEN
CROMINANZA + LUMINANZA
CROMIANANCA + LUMINANC



REMARKS-ANMERKUNGEN-NOTE

- 1) -NOT PRESENT FOR PAL/SECAM SETS
-NICHT PRESENT IN PAL/SECAM GERAEETEN
-ASSENTE SUI MODELLI CON PAL/SECAM

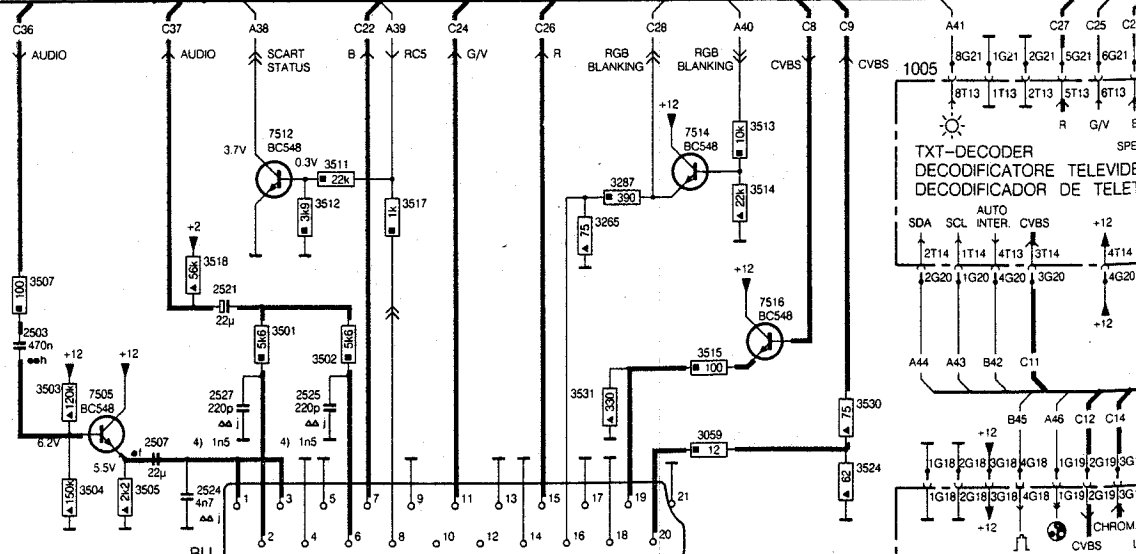
2) -FOR VERSION:

	BG 5.5MHz	I 6MHz	MULTI-FR 6.0MHz	P/S BG 6.5MHz
1103	-	-	-	-
1104	X	-	-	X
2109	-	-	X	-
5109	-	-	X	-
9039	X	X	-	X

X = PRESENT - = NOT PRESENT

3) -ONLY FOR MULTI SETS

4) -ONLY FOR AMTSBLATT VERSION

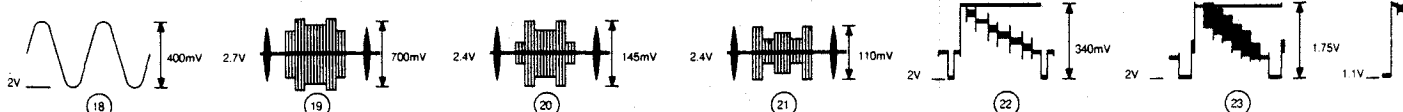


SCART CONNECTOR/PRESA DI PERITELEVISIONE

TXT-DECODER
DECODIFICATORE TELEVIDE
DECODIFICATOR DE TELET

SDA SCL INTER. CVBS

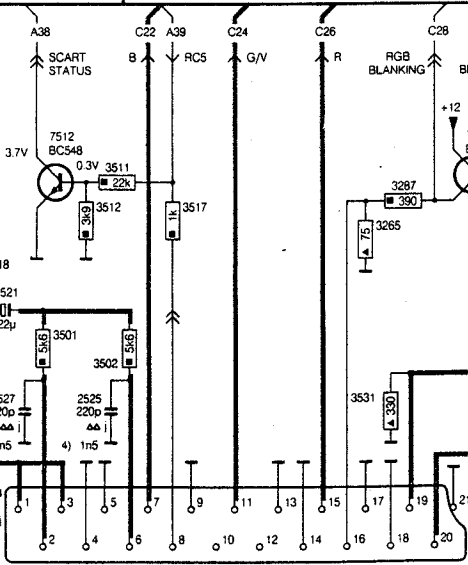
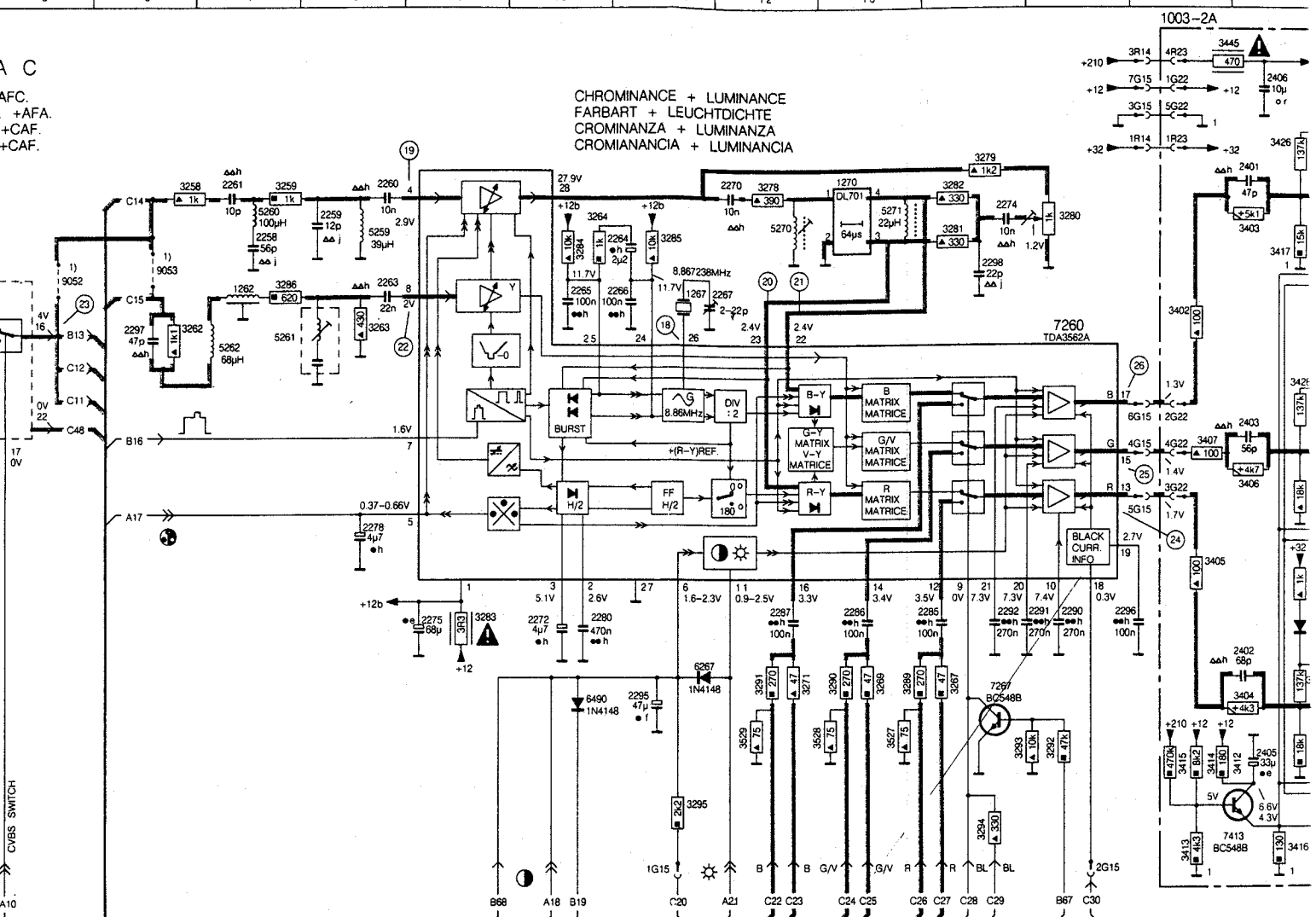
SECAM TRANSCODER
TRANSCODATOR SECAM



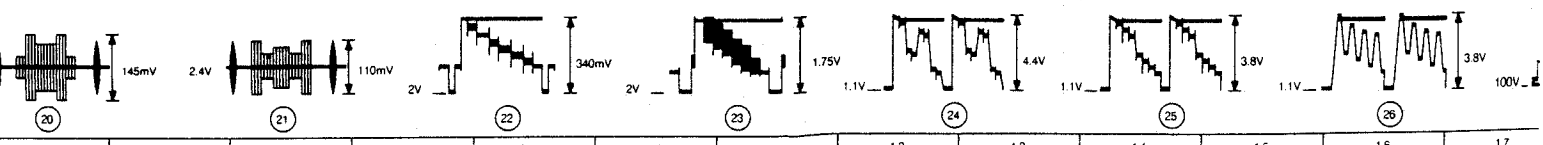
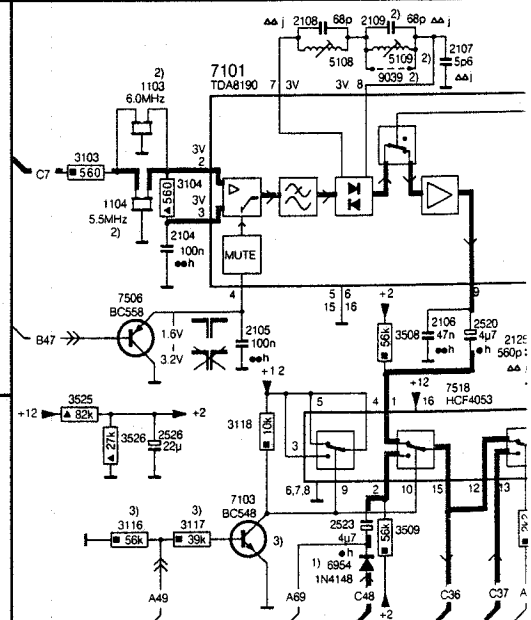
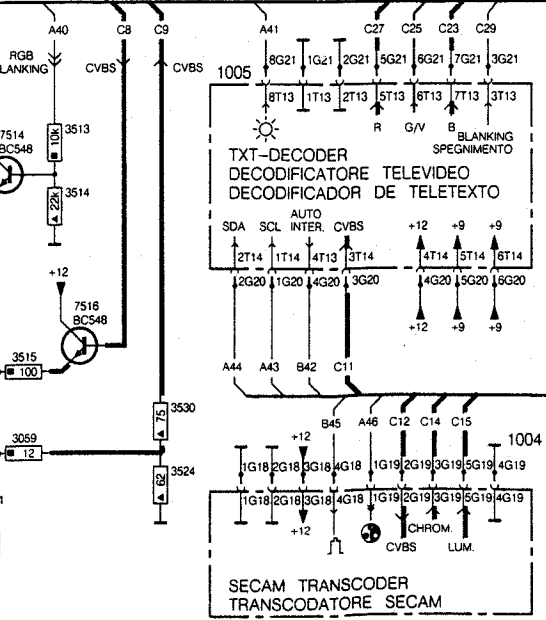
2286	F13	2401	B17	2411	E18	2525	L5	3103	J14	3117	M15	3264	B10	3282	B14	3292	G15	3407	D16	3417	C17	3426	B17	3438	F21	3451	G20	3504	M4	3514	J9	3529	G12	5
2287	F12	2402	F17	2412	B18	2526	L14	3104	J15	3118	L15	3265	J8	3283	F9	3293	G14	3409	H18	3418	E17	3427	F17	3439	F19	3452	H20	3505	M4	3515	K9	3530	L10	5
2290	F15	2403	D17	2413	G18	2527	L5	3106	L20	3121	K18	3267	F14	3284	B10	3294	H14	3410	H18	3419	E17	3428	D17	3440	D19	3453	G20	3507	K3	3517	J9	3531	L10	5
2291	F15	2404	H18	2503	K3	3009	F3	3107	K20	3122	K19	3269	F13	3285	B11	3295	H11	3411	H17	3420	B18	3430	A18	3441	A18	3454	F20	3508	K18	3518	K5	5108	L16	5
2292	F14	2405	G17	2507	L4	3010	F3	3111	J21	3132	L21	3271	F12	3286	C7	3402	C16	3412	G18	3432	F18	3442	F18	3455	F17	3509	M16	3524	L10	5109	L16	6		
2295	G11	2406	A17	2520	K17	3011	F3	3113	K21	3138	B6	3278	F12	3287	J8	3403	B17	3413	H16	3422	E18	3434	C18	3443	C18	3460	E21	3510	M18	3525	L14	5259	B8	6
2296	F16	2407	F21	2521	K5	3059	L9	3114	K21	3132	B7	3279	B14	3289	F13	3404	G17	3414	G16	3423	B18	3435	A18	3444	A19	3501	K5	3511	J6	3526	L14	5260	B7	6
2297	C6	2408	G20	2523	M16	3101	I19	3115	K21	3132	C7	3280	B15	3290	F13	3405	E16	3415	G16	3424	B18	3436	E18	3445	A16	3502	K6	3512	J6	3527	G13	5261	C7	6
2298	C14	2409	H19	2524	M5	3102	I21	3116	M14	3263	C8	3281	B14	3291	F12	3406	E17	3416	H17	3425	E18	3437	C18	3450	G19	3503	L3	3513	J9	3528	G12	5262	C7	6

AFC.
+AFA.
+CAF.
+CAF.

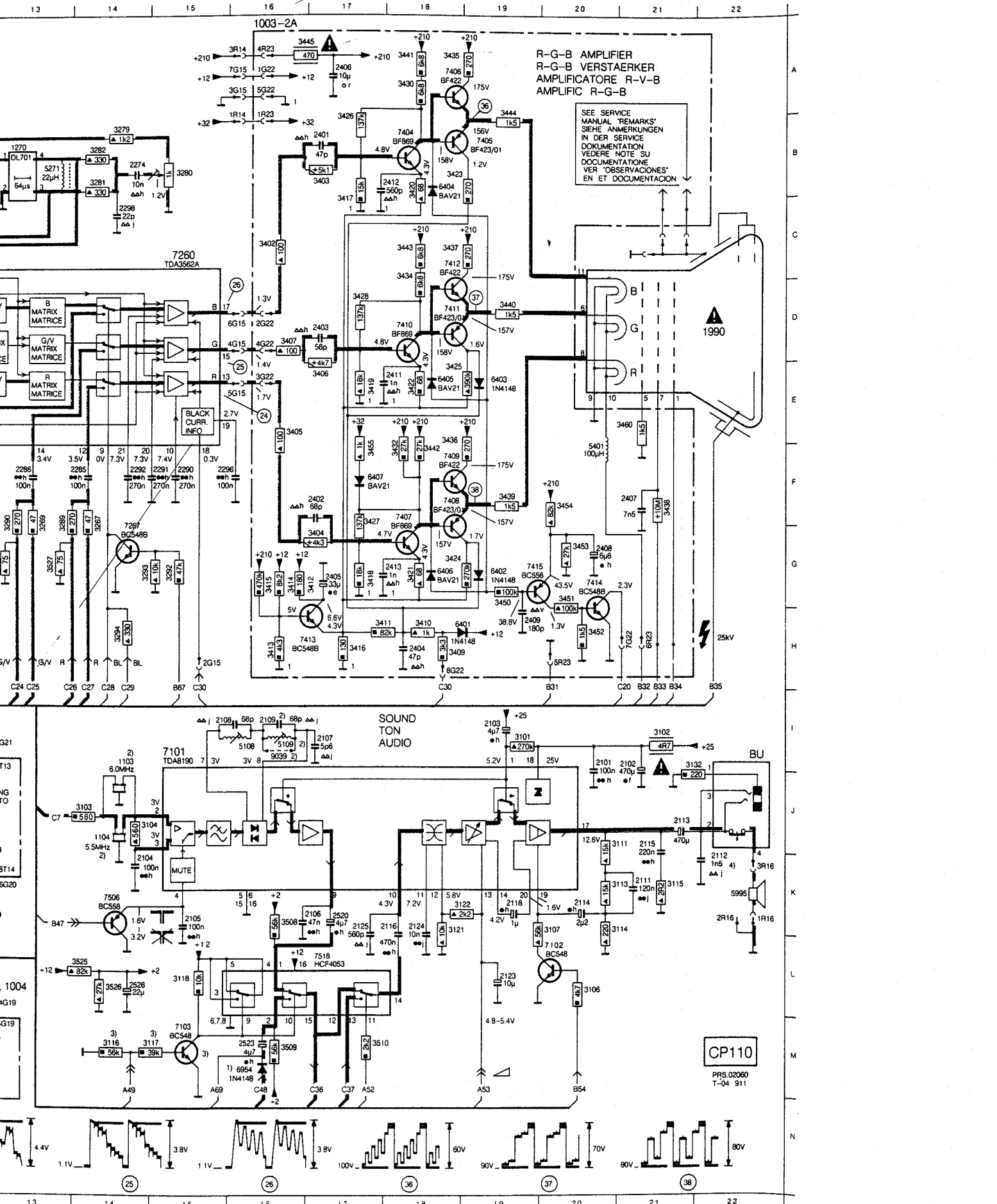
CHROMINANCE + LUMINANCE
FARBART + LEUCHTDICHTE
CROMINANZA + LUMINANZA
CROMIANANCIA + LUMINANCIA

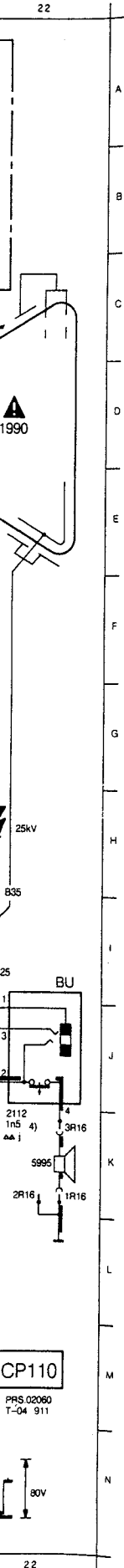


SCART CONNECTOR/PRESA DI PERITELEVISIONE



17 3426	B17 3438	F21 3451	G20 3504	M 4 3514	J 9 3529	G12 5270	B12 6404	B18 7260	C15 7411	D18 7516	K 9
17 3427	F17 3439	F19 3452	H20 3505	M 4 3515	K 9 3530	L10 5271	B13 6405	E18 7267	F14 7412	C18 7518	L 7
17 3428	D17 3440	D19 3453	G20 3507	K 3 3517	J 6 3531	L 8 5401	F20 6406	G18 7404	B18 7413	H17 9052	C 5
18 3430	A18 3441	A18 3454	F20 3508	K16 3518	K 5 5108	I16 5995	K22 6407	F17 7405	B19 7414	G20 9053	C 6
18 3432	F18 3442	F18 3455	F17 3509	M16 3524	L10 5109	I16 6010	G 3 8490	G10 7406	A18 7415	G19 BU	M 5
18 3434	C18 3443	C18 3460	E21 3510	M18 3525	L14 5259	B 8 6267	F11 6954	M16 7407	F18 7505	L 4	
18 3435	A18 3444	A19 3501	K 5 3511	J 6 3526	L14 5260	B 7 6401	M19 7101	I15 7408	F18 7506	K14	
18 3436	E18 3445	A18 3502	K 6 3512	J 6 3527	G13 5261	C 7 6402	G19 7102	L20 7409	B 8 7512	J 5	
18 3437	C18 3450	G19 3503	L 3 3513	J 9 3528	G12 5262	C 7 6403	E19 7103	M15 7410	D18 7514	J 9	















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




CARRIER PANEL

CARRI

 <p>CNX62A 4822 130 80908 HCF4053BE 4822 209 10576 LA7910 4822 209 10892 LN524RAP 4822 130 90388 L7812CV 5322 209 86176 TDA3562A/N5 4822 209 71751 TDA8190 4822 209 70872 TEA1039/N4 4822 209 83104 TMP47C432AP 4822 209 72038 mask 8188 TMP47C432AP 4822 209 73665 mask 8189</p>	 <p>5108 4822 157 53064 5109 4822 157 53064 5259 4822 157 52287 5260 4822 157 53065 5260 4822 157 52265 for amtsblatt 5261 4822 157 52807 5262 4822 157 53093 5270 4822 157 52808 5271 4822 157 53252 5300 4822 157 51462</p>		 <p>2113 2123 2267 2521 2526 2571 2610 2611 2612 2619 2620 2621 2638 2652 2656</p>
 <p>BC328 4822 130 44104 BC337 4822 130 40855 BC337-40 4822 130 41344 BC368 5322 130 44647 BC547C 4822 130 44503 BC548 4822 130 40938 BC548B 4822 130 40937 BC548C 4822 130 44196 BC558 4822 130 40941 BD234 4822 130 40917 BD437 4822 130 40982 BD438 4822 130 40995 BUT11AF 4822 130 42679 BU508A 4822 130 60263 PH2369 4822 130 41594</p>	<p>5608 4822 157 53069 5611 4822 150 50073 line output 5620 4822 140 10325 line driver 5629 4822 140 10324 5630 4822 157 5631 4822 157 53308 5653 4822 157 53068 5654 4822 148 60165 SOPS 5655 4822 157 51195 5656 4822 157 51157 5658 4822 157 51195 5659 4822 157 5660 4822 157 51195 5661 4822 157 51195 5662 4822 157 51195 5663 4822 157 51195 5665 4822 157 52223 5666 4822 157</p>		<p>2663 2668 2670 2672 2673 2735 2934 2935</p>  <p>1652 1653 1654</p>
 <p>BYD33D 4822 130 42488 BYD33G 4822 130 42489 BYD33J 4822 130 42606 BYV95A 4822 130 41601 BYV95B 4822 130 41486 BY228/20 4822 130 81099 BZX79-C3V9 4822 130 31981 BZX79-C4V7 4822 130 34174 BZX79-C5V6 4822 130 34173 BZX79-C6V2 4822 130 80303 CQS51-4 4822 130 80309 ZTK33B 4822 130 30959 1N4148-75 4822 130 33939 1N5061 4822 130 31933</p>	 <p>3102 4822 111 30499 4.7 Ω 0.33W 3280 4822 100 20148 1 kΩ potm. 3283 4822 111 30593 3.3 Ω 0.33W 3570 4822 116 51166 8.2 kΩ 2.5W 3571 4822 111 30821 3.9 Ω 0.5W 3576 4822 101 10818 100 Ω potm. 3610 4822 116 30323 150 kΩ NTC 3628 4822 111 30504 6.8 Ω 0.33W 3653 4822 116 40065 PTC 3656 4822 116 80288 100 kΩ 2W 3657 4822 116 81761 1.5 kΩ 7W 3660 4822 113 80429 0.1 Ω 2W 3667 5322 116 54272 1.5 kΩ 2.5W 3670 4822 100 10361 100 Ω potm. 3672 4822 111 30483 1 Ω 0.33W 3875 4822 111 30593 3.3 Ω 0.33W 3909 4822 116 52204 1 kΩ 0,125 W 3944 4822 101 10819 50 kΩ potm.</p>		 <p>10J 11B 12G 13R 14R 15G 16R 18G 19G 20G 21G</p>

CARRIER PANEL

					
mask 8188 mask 8189	5108	4822 157 53064			
	5109	4822 157 53064			
	5259	4822 157 52287			
	5260	4822 157 53065			
	5260	4822 157 52265	for amtsblatt		
	5261	4822 157 52807			
	5262	4822 157 53093			
	5270	4822 157 52808			
	5271	4822 157 53252			
	5300	4822 157 51462			
	5608	4822 157 53069			
	5611	4822 150 50073	line output		
	5620	4822 140 10325	line driver		
	5629	4822 140 10324			
	5630	4822 157			
	5631	4822 157 53308			
	5653	4822 157 53068			
	5654	4822 148 60165	SOPS		
	5655	4822 157 51195			
	5656	4822 157 51157			
	5658	4822 157 51195			
	5659	4822 157			
	5660	4822 157 51195			
	5661	4822 157 51195			
	5662	4822 157 51195			
	5663	4822 157 51195			
	5665	4822 157 52223			
	5666	4822 157			
					
		3102	4822 111 30499	4.7 Ω	0.33W
3280		4822 100 20148	1 kΩ	potm.	
3283		4822 111 30593	3.3 Ω	0.33W	
3570		4822 116 51166	8.2 kΩ	2.5W	
3571		4822 111 30821	3.9 Ω	0.5W	
3576		4822 101 10818	100 Ω	potm.	
3610		4822 116 30323	150 kΩ	NTC	
3628		4822 111 30504	6.8 Ω	0.33W	
3653		4822 116 40065		PTC	
3656	4822 116 80288	100 kΩ	2W		
3657	4822 116 81761	1.5 kΩ	7W		
3660	4822 113 80429	0.1 Ω	2W		
3667	5322 116 54272	1.5 kΩ	2.5W		
3670	4822 100 10361	100 Ω	potm.		
3672	4822 111 30483	1 Ω	0.33W		
3875	4822 111 30593	3.3 Ω	0.33W		
3909	4822 116 52204	1 kΩ	0,125 W		
3944	4822 101 10819	50 kΩ	potm.		

				
2113	4822 124 41334	470	μF	35 V
2123	4822 124 40435	10	μF	50 V
2267	4822 125 50045	20	pF	trimm.
2521	4822 124 40434	22	μF	35V
2526	4822 124 40434	22	μF	35V
2571	4822 122 30099	3.3	nF	100V
2610	5322 121 44357	7.5	nF	2kV
2611	4822 121 40479	390	nF	250V
2612	4822 124 22417	470	nF	160V
2619	4822 121 41339	2.2	nF	2kV
2620	4822 121 40516	22	nF	250V
2621	4822 124 22257	22	μF	250V
2638	4822 121 51252	470	nF	63V
2652	4822 121 51424	330	nF	250V
2656	4822 124 22172	150	μF	385V
2663	4822 121 41531	1000	pF	250V
2668	4822 124 40724	1000	μF	35V
2670	4822 124 22257	22	μF	250V
2672	4822 124 40724	1000	μF	35V
2673	4822 124 40201	1000	μF	16V
2735	4822 124 40723	2200	μF	16V
2934	4822 122 32149	27	pF	100V
2935	4822 122 32149	27	pF	100V
				
1652	4822 253 30024	T1.6A		
1653	4822 253 10046	T1.6A		
1654	4822 253 10046	T1.6A		
				
10J	4822 265 40596	2P		
11B	4822 265 30389	2P		
12G	4822 265 30407	3P		
13R	4822 267 40722	6P		
14R	4822 267 40722	6P		
15G	4822 290 40295	7P		
16R	4822 267 40665	3P		
18G	4822 417 50217	4P		
19G	4822 267 40648	5P		
20G	4822 267 50591	6P		
21G	4822 264 50148	8P		

PICTURE TUBE PANEL

22 124 41334	470 μF 35 V	10J	4822 290 60626	2P
22 124 40435	10 μF 50 V	11B	4822 267 40653	2P
22 125 50045	20 pF trimm.	12G	4822 265 30273	3P
22 124 40434	22 μF 35V	13R	4822 267 30546	6P
22 124 40434	22 μF 35V	14R	4822 267 30546	6P
22 122 30099	3.3 nF 100V	15G	4822 265 40252	7P
22 121 44357	7.5 nF 2kV	16R	4822 267 40653	2P
22 121 40479	390 nF 250V	17	4822 264 50177	10P for coil cable
22 124 22417	470 nF 160V	18G	4822 266 30276	4P
22 121 41339	2.2 nF 2kV	19G	4822 265 40503	5P
22 121 40516	22 nF 250V	20G	4822 265 40469	6P
22 124 22257	22 μF 250V	21G	4822 265 40471	8P
22 121 51252	470 nF 63V	Various		
22 121 51424	330 nF 250V			
22 124 22172	150 μF 385V			
22 121 41531	1000 pF 250V			
22 124 40724	1000 μF 35V			
22 124 22257	22 μF 250V			
22 124 40724	1000 μF 35V			
22 124 40201	1000 μF 16V			
22 124 40723	2200 μF 16V			
22 122 32149	27 pF 100V			
22 122 32149	27 pF 100V			
22 253 30024	T1.6A	1030	4822 276 12422	mains-switch (SK1)
22 253 10046	T1.6A	1059	4822 212 22738	keyboard foil assy.
22 253 10046	T1.6A	1059	4822 276 80317	keyboard foil assy. multi
		1103	4822 242 71841	filter SFE6.0 MA
		1104	4822 242 70714	filter SFE5.5 MA
		1104	4822 242 72059	filter SFT6.5 MA
		1104	4822 242 71841	filter SFT6.0 MA
		1262	4822 157 51056	delay line DL330
		1267	4822 242 70626	crystal 8.867238 MHz
		1270	4822 320 40096	delay line DL701
		1566	4822 273 50296	switch 3P
		1901	4822 138 10229	battery 2.5V
		1934	4822 242 70831	filter 4 MHz
			4822 256 30274	fuse holder
			4822 462 10281	headphone socket
			4822 267 60243	scart socket
			4822 492 63733	slide spring fix.transistor
			4822 492 63731	spring fix. transistor



BC337	4822 130 4
BC548B	4822 130 4
BC556	4822 130 4
BC558	4822 130 4
BF422	4822 130 4
BF423/01	4822 130 6
BF819	4822 130 4
BF869	4822 130 4



BAV21	4822 130 3
BYD33G	4822 130 4
1N4148-75	4822 130 3



5401	4822 157 5
------	------------



3403	5322 116 5
3426	4822 116 8
3427	4822 116 8
3428	4822 116 8
3439	4822 116 5
3440	4822 116 5
3444	4822 116 5
3445	5322 116 8
3460	4822 111 5
3591	4822 100 1
3592	4822 100 1
3599	5322 116 8



2407	4822 122 3
------	------------










22G	4822 290 4
23R	4822 267 4





22G	4822 265 4
23R	4822 267 3
	4822 255 7





PICTURE TUBE PANEL

			
BC337	4822 130 40855		
BC548B	4822 130 40937		
BC556	4822 130 40989		
BC558	4822 130 40941		
BF422	4822 130 41782		
BF423/01	4822 130 60703		
BF819	4822 130 42159		
BF869	4822 130 41773		
			
BAV21	4822 130 30842		
BYD33G	4822 130 42489		
1N4148-75	4822 130 33939		
			
5401	4822 157 53941		
			
3403	5322 116 53741	5.1 kΩ	0.5 W
3426	4822 116 80327	137 kΩ	0.5 W
3427	4822 116 80327	137 kΩ	5 W
3428	4822 116 80327	137 kΩ	0.5 W
3439	4822 116 52399	1.5 kΩ	0.5 W
3440	4822 116 52399	1.5 kΩ	0.5 W
3444	4822 116 52399	1.5 kΩ	0.5 W
3445	5322 116 80275	470 Ω	0.5 W
3460	4822 111 50518	1.5 kΩ	0.5 W
3591	4822 100 10051	22 kΩ	potm.
3592	4822 100 10052	100 kΩ	potm.
3599	5322 116 80277	47 Ω	0.5 W
			
2407	4822 122 33376	7,5 nF	1kV
			
22G	4822 290 40295	7P	
23R	4822 267 40722	6P	
			
22G	4822 265 40252	7P	
23R	4822 267 30546	6P	
	4822 255 70216	socket PT	

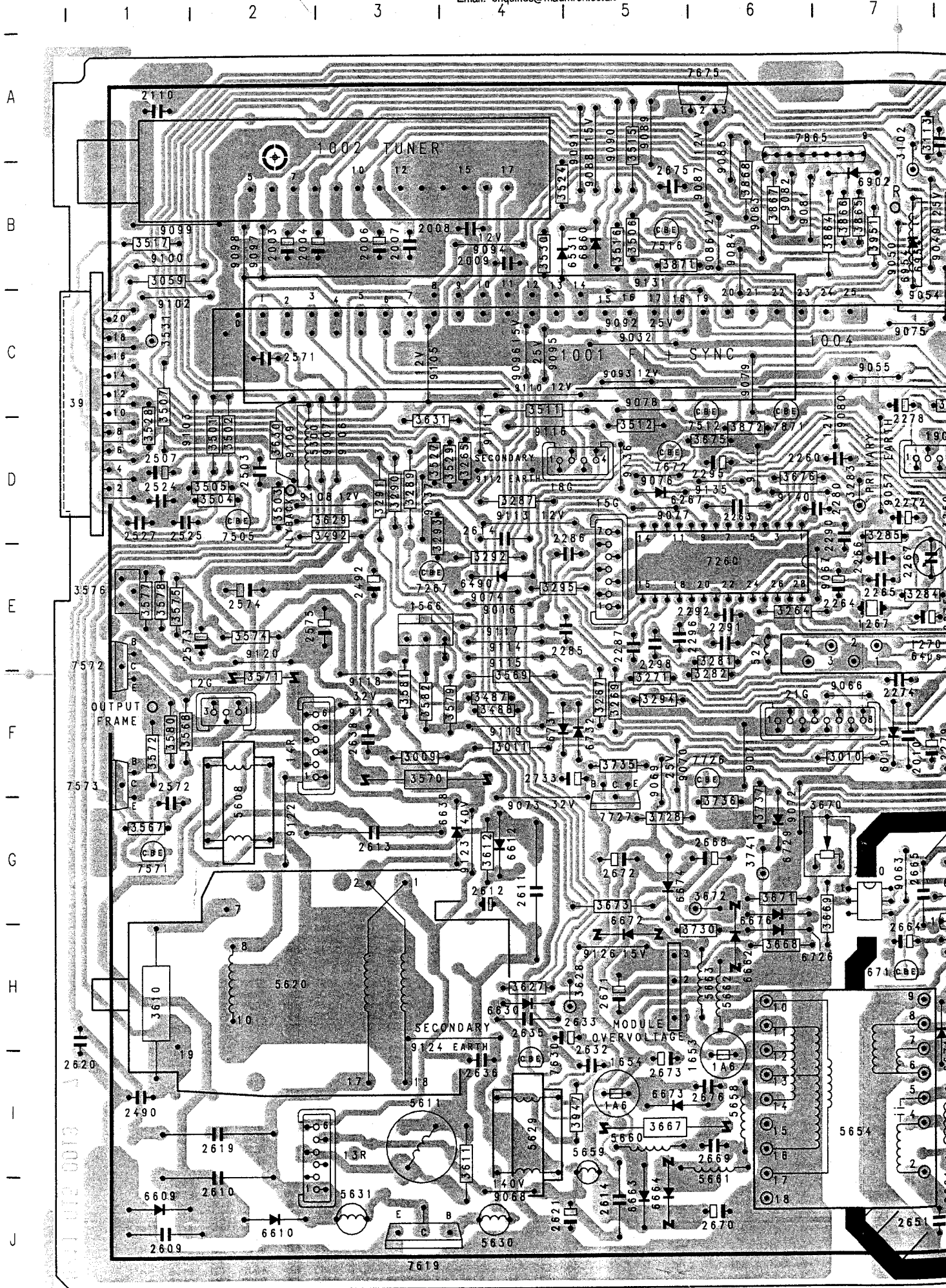
MUTE PANEL

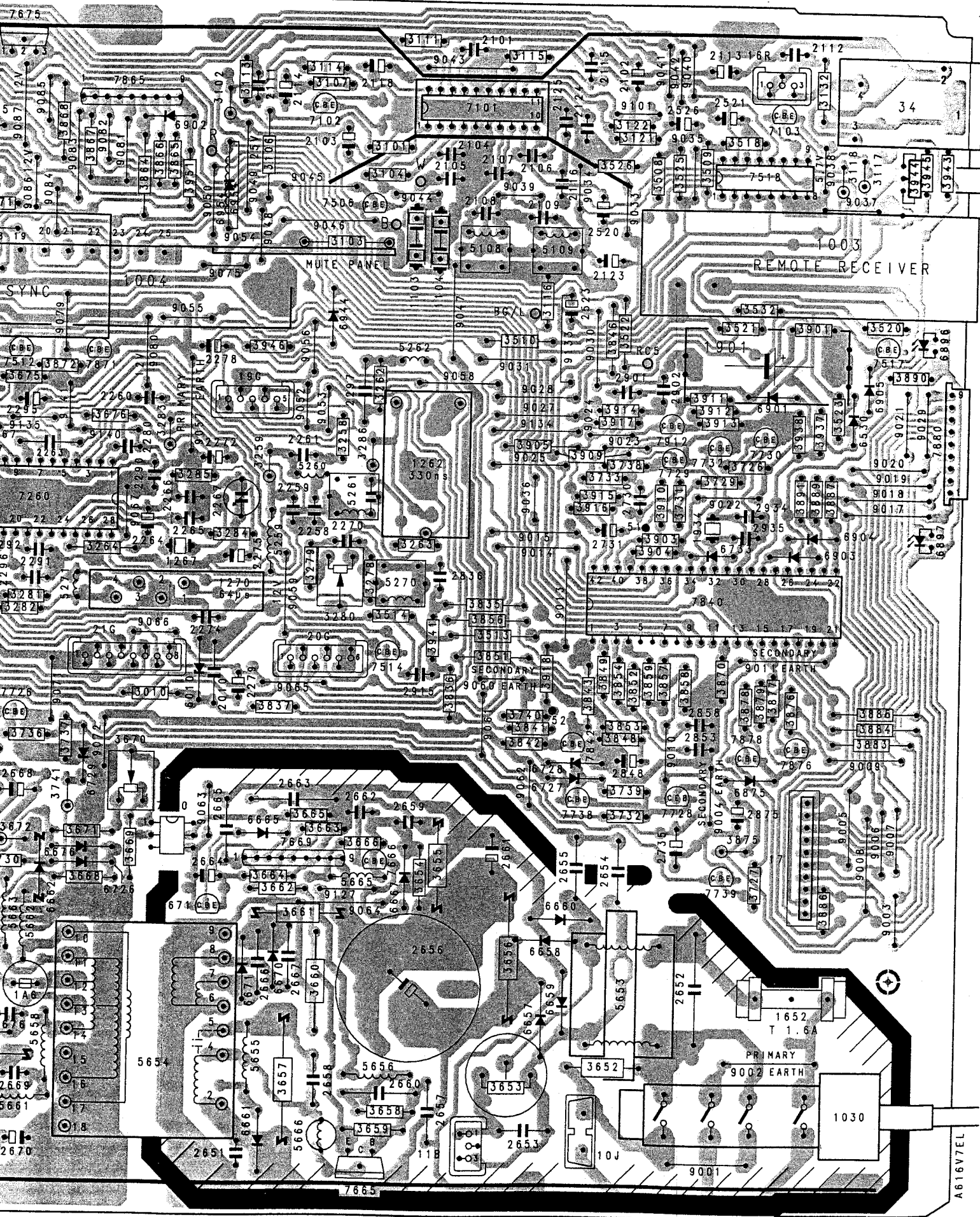
	
BC548B	4822 130 40937
BC558B	4822 130 44197
	
1N4148-30	4822 130 33941

OVERVOLTAGE PANEL

		
BT135	4822 130 20248	
		
BYV95A	4822 130 41601	
BZX79-B15	4822 130 34281	
BZX79-B13	4822 130 34195	
		
3000	4822 111 90178	220 Ω 0,125 W
		
2000	4822 121 41815	100 nF 100 V
2001	4822 122 31211	100 pF 500 V
2677	4822 122 10174	1,5 nF 50 V

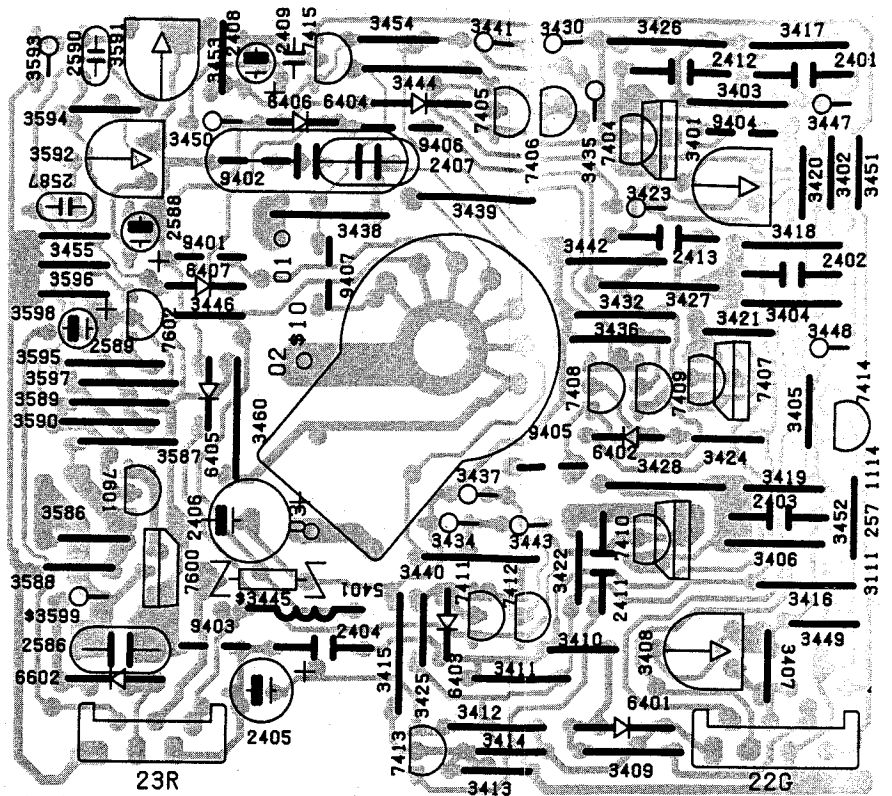
For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
 8 Cherry Tree Rd, Chinnor
 Oxon OX9 4QY
 Tel: 01844-351694 Fax: 01844-352554
 Email: enquiries@mauritron.co.uk



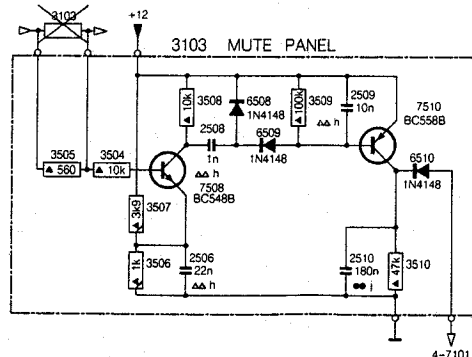


A61617EL

3730	6H	5662	6H	9008	13H	9107	3D
3731	11E	5663	6H	9009	13G	9108	3D
3732	11G	5665	8H	9010	11G	9109	2D
3733	10D	5666	8J	9011	12F	9110	4C
3735	5F	6010	7F	9013	10E	9111	4D
3736	6G	6267	5D	9014	10E	9112	4D
3737	6G	6490	4E	9015	10E	9113	4D
3738	11D	6530	13D	9016	4E	9114	4E
3739	11G	6531	5B	9017	13E	9115	4E
3740	10F	6609	1J	9018	13E	9116	4D
3741	6G	6610	2J	9019	13D	9117	4E
3835	9E	6612	4G	9020	13D	9118	3F
3836	9F	6630	4H	9021	13D	9119	4F
3837	8F	6638	4G	9022	11E	9120	2E
3841	10F	6657	10I	9023	11D	9121	3F
3842	10G	6658	10H	9024	10D	9122	2G
3843	10F	6659	10I	9025	10D	9123	4G
3846	10C	6660	10H	9027	10D	9124	3I
3848	11G	6661	8J	9028	10D	9126	5H
3849	10F	6662	6H	9029	13D	9127	8H
3851	10F	6663	5J	9030	10C	9131	5B
3852	11F	6664	5J	9031	10D	9133	10C
3853	11F	6665	8G	9032	5C	9134	10D
3854	11F	6667	9H	9033	11B	9135	6D
3856	9F	6670	8I	9034	10B	9136	5D
3857	11F	6671	8I	9035	11B	9137	3D
3858	11F	6672	5H	9036	10E	9140	6D
3859	11F	6673	5I	9037	12B	9141	6D
3864	7B	6674	5G	9038	12B		
3865	7B	6676	6H	9039	10B		
3866	7B	6726	7H	9040	11A		
3867	6B	6727	10G	9041	11A		
3868	6B	6728	10G	9042	11A		
3870	11F	6729	6G	9043	9A		
3871	5B	6731	4F	9044	9B		
3872	6D	6732	5F	9045	8B		
3875	12G	6733	12E	9046	8B		
3876	12F	6860	5B	9047	9C		
3877	12F	6875	12G	9048	8C		
3878	12F	6896	13C	9049	8B		
3879	12F	6897	13E	9050	7B		
3883	13G	6901	12D	9052	8D		
3884	13F	6902	7B	9053	8D		
3885	13F	6903	12E	9054	7C		
3886	12H	6904	13E	9055	7C		
3887	12E	6905	13D	9056	8C		
3889	12E	6944	8C	9057	7D		
3890	13D	6954	7B	9058	9D		
3891	12E	7101	9B	9059	8E		
3901	12C	7102	8B	9060	9F		
3903	11E	7103	12B	9061	10F		
3904	11E	7260	6E	9062	10G		
3905	10D	7267	3E	9063	7G		
3909	10D	7505	2D	9064	9H		
3910	11E	7506	8B	9065	8F		
3911	11D	7512	6D	9066	7F		
3912	11D	7514	9F	9067	7E		
3913	11D	7516	5B	9068	4J		
3914	11D	7517	13D	9069	5F		
3915	10E	7518	12B	9070	5F		
3916	10E	7571	1G	9071	6F		
3917	11D	7572	1E	9072	6G		
3918	10F	7573	1F	9073	4G		
3937	12D	7619	3J	9074	4E		
3938	12D	7630	4I	9075	7C		
3941	9F	7665	9J	9076	5D		
3943	13B	7666	9H	9077	5D		
3944	13B	7669	8G	9078	5C		
3945	13B	7670	7G	9079	6C		
3946	8C	7671	7H	9080	7D		
3947	5I	7672	5D	9081	6B		
3951	7B	7675	6A	9082	6B		
5108	9C	7726	6F	9083	8B		
5109	10C	7727	5G	9084	6B		
5259	8E	7728	11G	9085	6B		
5260	8D	7729	11D	9086	6B		
5261	8E	7730	12D	9087	6B		
5262	9C	7732	11D	9088	5B		
5270	9E	7738	10G	9089	5A		
5271	6E	7739	11H	9090	5A		
5300	2D	7840	11E	9091	5A		
5608	2G	7842	10G	9092	5C		
5611	3I	7865	6A	9093	5C		
5620	2H	7871	6D	9094	4B		
5629	4I	7876	12G	9095	4C		
5630	4J	7878	12G	9096	4C		
5631	3J	7880	13D	9097	2B		
5653	11I	7912	11D	9098	2B		
5654	7I	9001	11J	9099	1B		
5655	8I	9002	12I	9100	1B		
5656	9I	9003	13H	9101	11A		
5658	6I	9004	11G	9102	1C		
5659	5I	9005	12G	9103	1D		
5660	5I	9006	13G	9105	3C		
5661	6J	9007	13G	9106	3D		

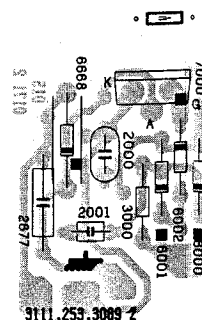


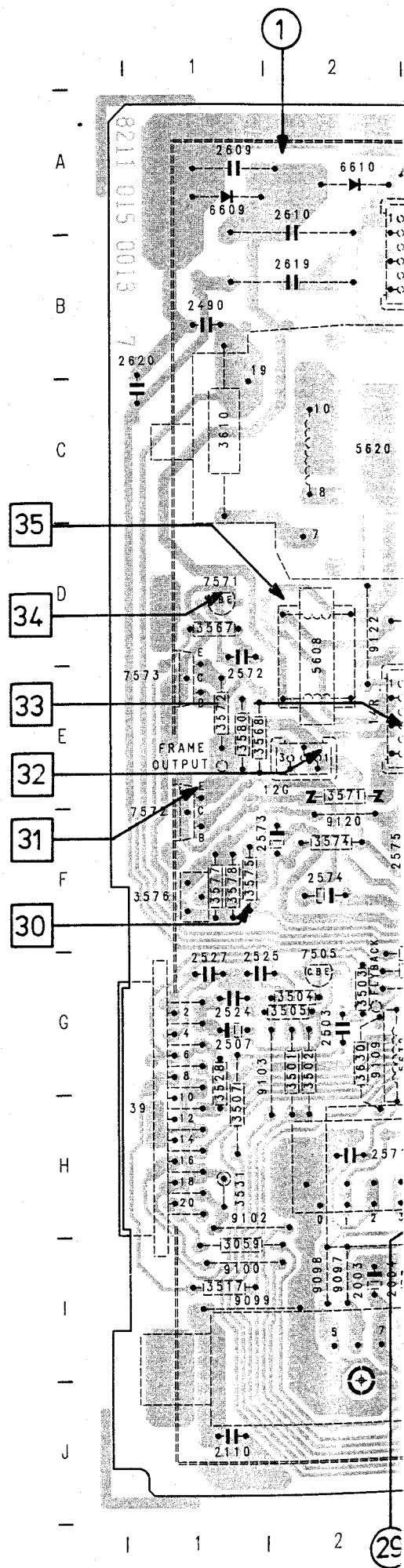
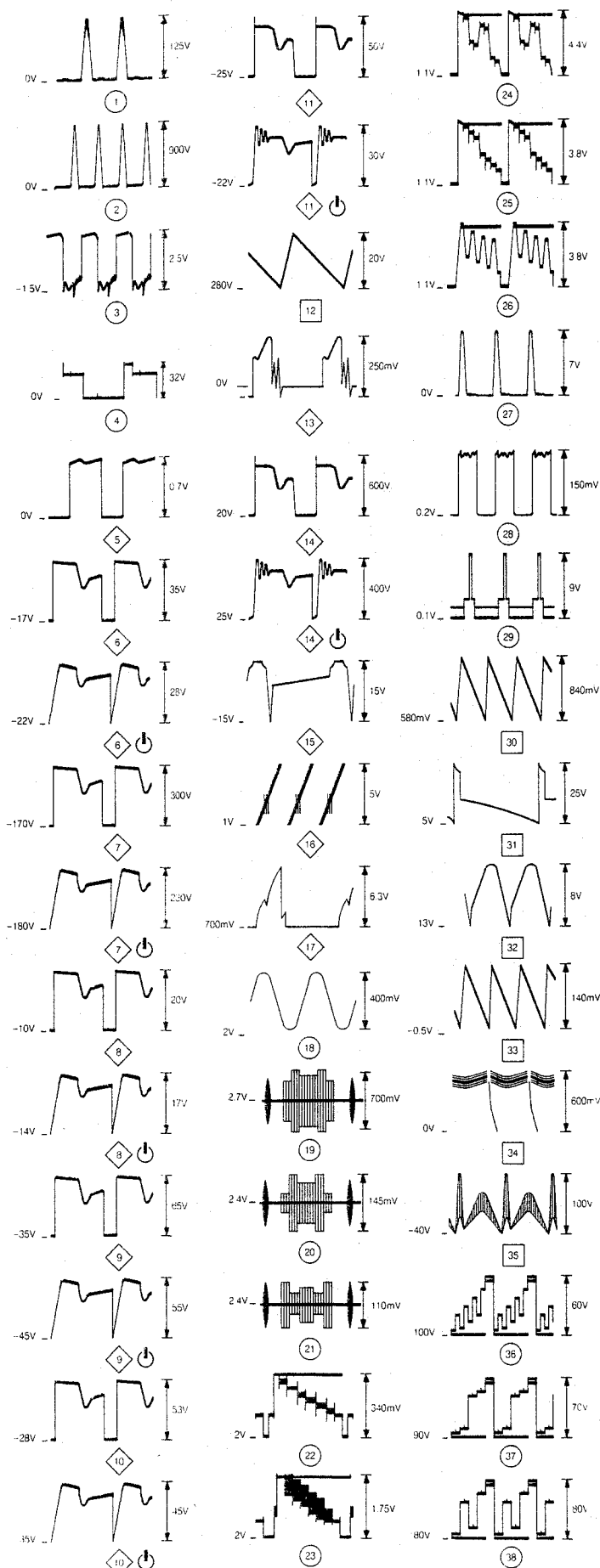
For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
 8 Cherry Tree Rd, Chinnor
 Oxon OX9 4QY
 Tel:- 01844-351694 Fax:- 01844-352554
 Email:- enquiries@mauritron.co.uk



PRS 02512
 T28/905

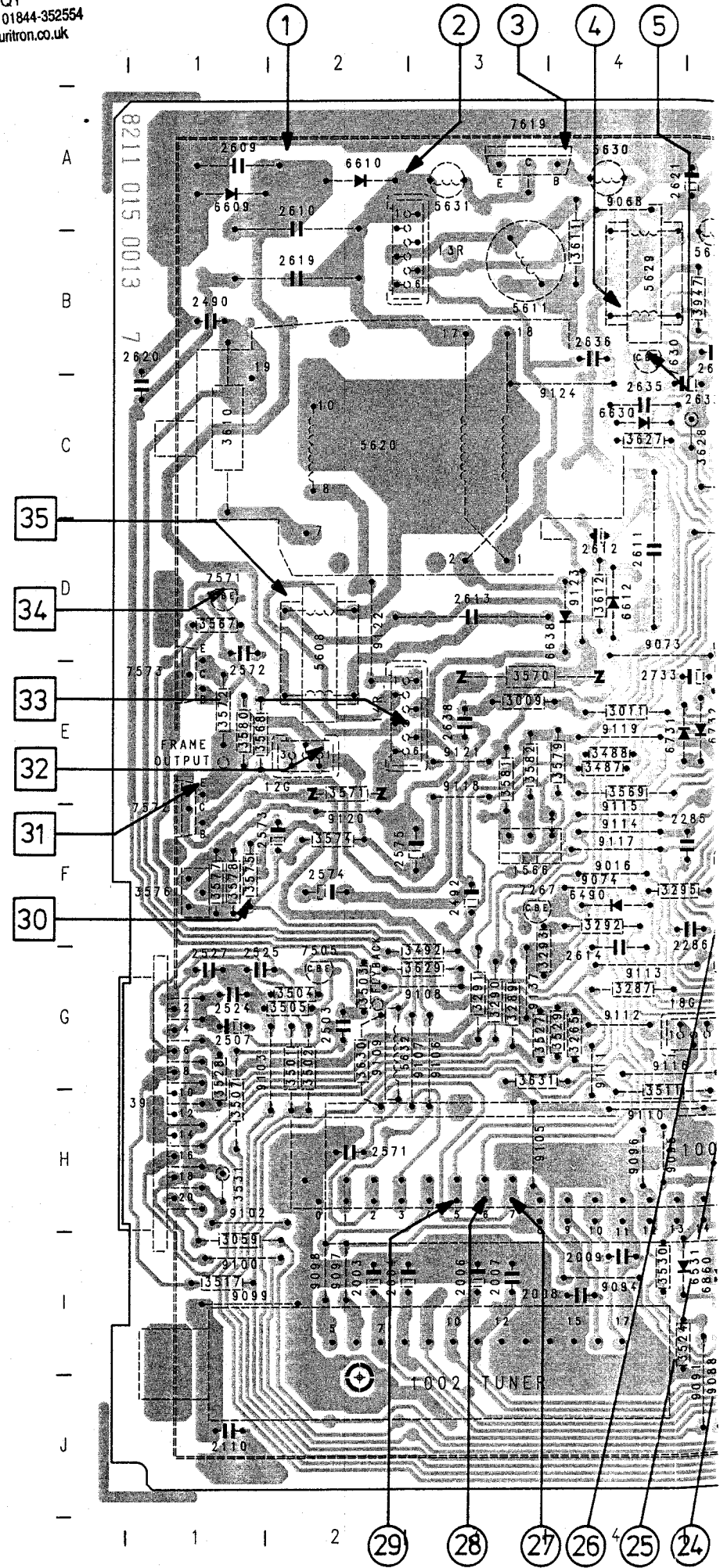
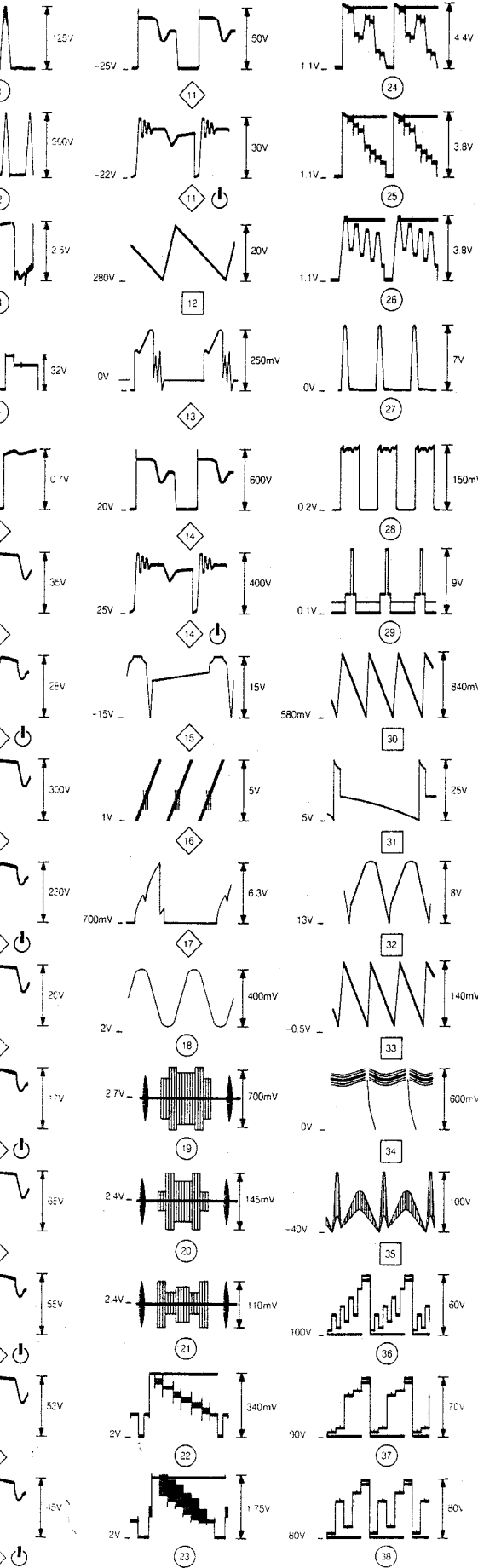
1005 OVERVOLTAGE PANEL





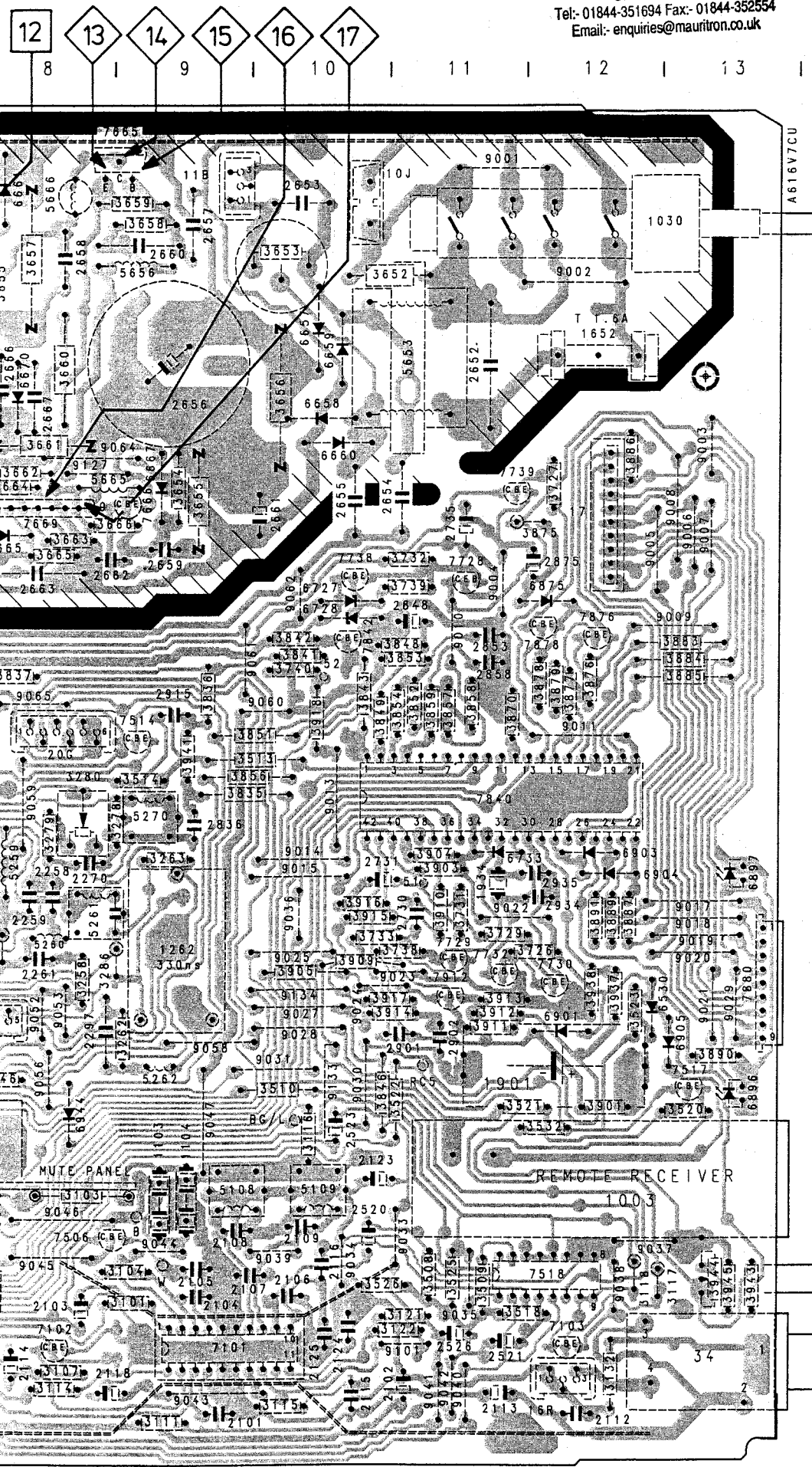
PHS 3262H
T-26/721

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



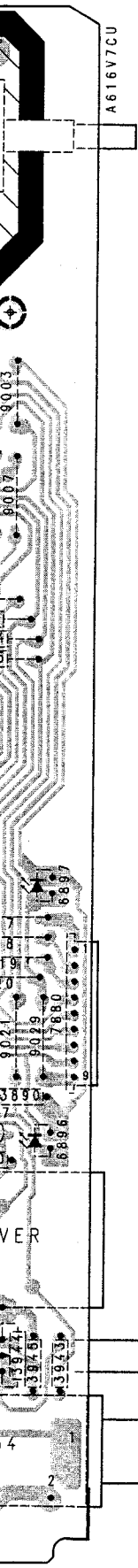
PHS 02629
 T-28721

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



17	12C	2572	1E
34	13J	2573	1F
39	1H	2574	2F
10J	10A	2575	2F
11B	9A	2609	1A
12G	2E	2610	2A
13R	3B	2611	4D
14R	2E	2612	4D
15G	5G	2613	3D
16R	12J	2614	4G
18G	4G	2614	5A
19G	8G	2619	2B
20G	8E	2620	1B
21G	6E	2621	4A
1001	5H	2632	5B
1002	3J	2633	5C
1003	12H	2635	4C
1004	7H	2636	4B
1030	12A	2638	3E
1103	9H	2651	7A
1104	9H	2652	11B
1282	9G	2653	10A
1267	7F	2654	10C
1270	7F	2655	10C
1566	3F	2656	9C
1652	12B	2657	9A
1653	5C	2658	8B
1654	5B	2659	9D
1901	11H	2660	9B
1934	11F	2661	10D
2003	2I	2662	8D
2004	2I	2663	8D
2006	3I	2664	7C
2007	3I	2665	7D
2008	3I	2666	8B
2009	4I	2667	8C
2010	7E	2668	6D
2101	9J	2669	6B
2102	11J	2670	6A
2103	8I	2671	5C
2104	9I	2672	5D
2105	9I	2673	5B
2106	10I	2675	5I
2107	10I	2676	6B
2108	9I	2730	11F
2109	10I	2731	10F
2110	1J	2733	4E
2111	8J	2735	11D
2112	12J	2836	9F
2113	11J	2848	11D
2114	8J	2853	11D
2115	10J	2858	11E
2116	10J	2875	12D
2118	9J	2901	11G
2123	10H	2902	11G
2124	10J	2915	9E
2125	10J	2934	12F
2258	8F	2935	12F
2259	8F	3009	3E
2260	6G	3010	7E
2261	8G	3011	4E
2263	6G	3059	1I
2264	7F	3101	9I
2265	7F	3102	7J
2266	7F	3103	8H
2267	7F	3104	9I
2270	8F	3106	8I
2272	7G	3107	8J
2274	7E	3111	9J
2275	8F	3113	7J
2278	7G	3114	8J
2279	8E	3115	10J
2280	7G	3116	10H
2285	5F	3117	13I
2286	5G	3118	12I
2287	5F	3121	11I
2290	7G	3122	11I
2291	6F	3132	12J
2292	6F	3258	8G
2295	6G	3259	8G
2296	6F	3262	9G
2297	8G	3263	9F
2298	5F	3264	6F
2490	1B	3265	4G
2492	3F	3267	5E
2503	2G	3269	5E
2507	1G	3271	5E
2520	10I	3278	9F
2521	11J	3279	8F
2523	10H	3280	8E
2524	1G	3281	6F
2525	1G	3282	6E
2526	11I	3283	7G
2527	1G	3284	7F
2571	2H	3285	7G

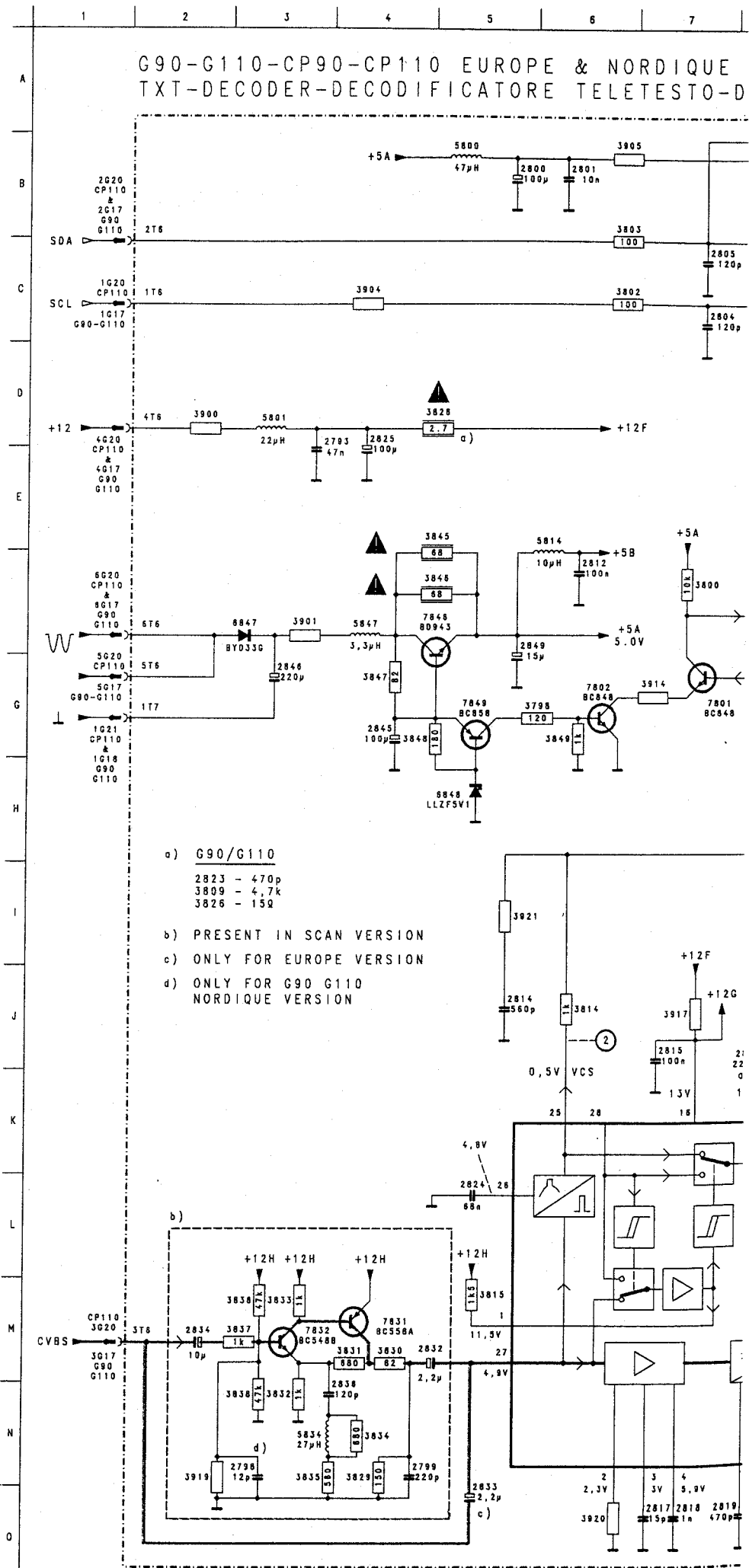
8 | 9 | 10 | 11 | 12 | 13 |



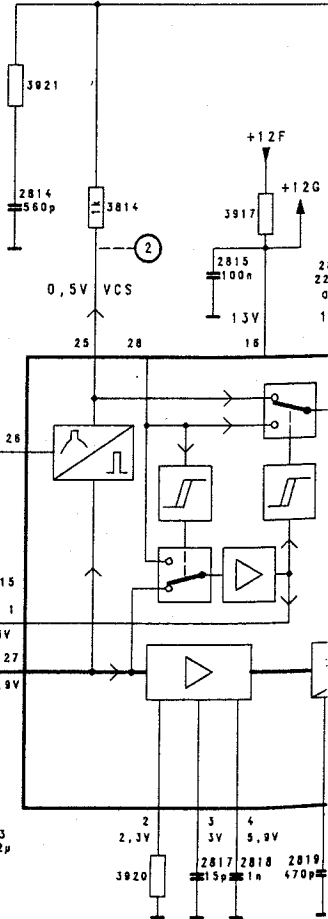
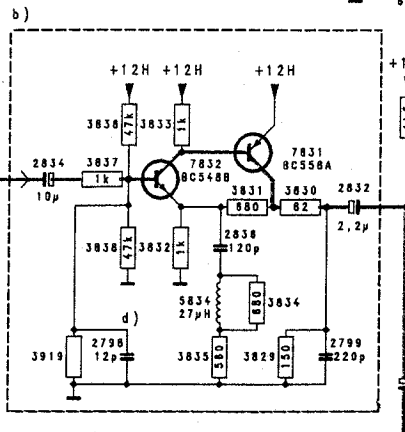
A	17	12C	2572	1E	3286	8G	3731	11F	5663	6C	9009	13D	9108	3G
	34	13J	2573	1F	3287	4G	3732	11D	5665	8C	9010	11D	9109	2G
	39	1H	2574	2F	3289	3G	3733	10G	5666	8A	9011	12E	9110	4H
	10J	10A	2575	2F	3290	3G	3735	5E	6010	7E	9013	10F	9111	4G
	118	9A	2609	1A	3291	3G	3736	6D	6267	5G	9014	10F	9112	4G
	12G	2E	2610	2A	3292	4F	3737	6D	6490	4F	9015	10F	9113	4G
	13R	3B	2611	4D	3293	3G	3738	11G	6530	13G	9016	4F	9114	4F
	14R	2E	2612	4D	3294	5E	3739	11D	6531	5I	9017	13F	9115	4F
	15G	5G	2613	3D	3295	4F	3740	10E	6609	1A	9018	13F	9116	4G
	16R	12J	2614	4G	3487	4E	3741	6D	6610	2A	9019	13G	9117	4F
	18G	4G	2614	5A	3488	4E	3835	9F	6612	4D	9020	13G	9118	3E
	19G	8G	2619	2B	3492	3G	3836	9E	6630	4C	9021	13G	9119	4E
	20G	8E	2620	1B	3501	2G	3837	8E	6638	4D	9022	11F	9120	2F
	21G	6E	2621	4A	3502	2G	3841	10E	6657	10B	9023	11G	9121	3E
	1001	5H	2632	5B	3503	2G	3842	10D	6658	10C	9024	10G	9122	2D
B	1002	3J	2633	5C	3504	2G	3843	10E	6659	10B	9025	10G	9123	4D
	1003	12H	2635	4C	3505	2G	3846	10H	6660	10C	9027	10G	9124	4C
	1004	7H	2636	4B	3506	5I	3848	11D	6661	8A	9028	10G	9126	5C
	1030	12A	2638	3E	3507	1H	3849	10E	6662	6C	9029	13G	9127	8C
	1103	9H	2651	7A	3508	11I	3851	10E	6663	5A	9030	10H	9131	5I
	1104	9H	2652	11B	3509	11I	3852	11E	6664	5A	9031	10G	9133	10H
	1262	9G	2653	10A	3510	10H	3853	11E	6665	8D	9032	5H	9134	10G
	1267	7F	2654	10C	3511	4H	3854	11E	6667	9C	9033	11I	9135	6G
	1270	7F	2655	10C	3512	5G	3856	9E	6670	8B	9034	10I	9136	5G
	1566	3F	2656	9C	3513	10E	3857	11E	6671	8B	9035	11I	9137	3G
	1652	12B	2657	9A	3514	9E	3858	11E	6672	5C	9036	10F	9140	6G
	1653	5C	2658	8B	3515	5J	3859	11E	6673	5B	9037	12I	9141	6G
	1654	5B	2659	9D	3516	5I	3864	7I	6674	5D	9038	12I		
	1901	11H	2660	9B	3517	1I	3865	7I	6676	6C	9039	10I		
	1934	11F	2661	10D	3518	12I	3866	7I	6726	6C	9040	11J		
	2003	2I	2662	8D	3520	13H	3867	6I	6727	10D	9041	11J		
	2004	2I	2663	8D	3521	12H	3868	6I	6728	10D	9042	11J		
	2006	3I	2664	7C	3522	11H	3870	11E	6729	6D	9043	9J		
	2007	3I	2665	7D	3523	12G	3871	5I	6731	4E	9044	9I		
	2008	3I	2666	8B	3524	4I	3872	6G	6732	5E	9045	8I		
	2009	4I	2667	8C	3525	11I	3875	12D	6733	12F	9046	8I		
	2010	7E	2668	8D	3526	10I	3876	12E	6860	5I	9047	9H		
	2101	9J	2669	6B	3527	3G	3877	12E	6875	12D	9048	8H		
	2102	11J	2670	6A	3528	1G	3878	12E	6896	13H	9049	8I		
	2103	8I	2671	5C	3529	4G	3879	12E	6897	13F	9050	7I		
	2104	9I	2672	5D	3530	4I	3883	13D	6901	12G	9052	8G		
	2105	9I	2673	5B	3531	1H	3884	13E	6902	7I	9053	8G		
	2106	10I	2675	5I	3532	12H	3885	13E	6903	12F	9054	7H		
	2107	10I	2676	6B	3567	1D	3886	12C	6904	13F	9055	7H		
	2108	9I	2730	11F	3568	1E	3887	12F	6905	13G	9056	8H		
	2109	10I	2731	10F	3569	4E	3889	12F	6944	8H	9057	7G		
	2110	1J	2733	4E	3570	3E	3890	13G	6954	7I	9058	9G		
	2111	8J	2735	11D	3571	2E	3891	12F	7101	9I	9059	8F		
	2112	12J	2836	9F	3572	1E	3901	12H	7102	8I	9060	10E		
	2113	11J	2848	11D	3574	2F	3903	11F	7103	12I	9061	10E		
	2114	8J	2853	11D	3575	1F	3904	11F	7260	6F	9062	10D		
	2115	10J	2858	11E	3576	1F	3905	10G	7267	3F	9063	7D		
	2116	10I	2875	12D	3577	1F	3909	10G	7505	2G	9064	9C		
	2118	9J	2901	11G	3578	1F	3910	11F	7506	8I	9065	8E		
	2123	10H	2902	11G	3579	4E	3911	11G	7512	6G	9066	7E		
	2124	10J	2915	9E	3580	1E	3912	11G	7514	9E	9067	7F		
	2125	10J	2934	12F	3581	3E	3913	11G	7516	5I	9068	4A		
	2258	8F	2935	12F	3582	3E	3914	11G	7517	13G	9069	5E		
	2259	8F	3009	3E	3610	1C	3915	10F	7518	12I	9070	5E		
	2260	6G	3010	7E	3611	4B	3916	10F	7571	1D	9071	6E		
	2261	8G	3011	4E	3612	4D	3917	11G	7572	1F	9072	6D		
	2263	6G	3059	1I	3627	4C	3918	10E	7573	1E	9073	4D		
	2264	7F	3101	9I	3628	5C	3937	12G	7619	3A	9074	4F		
	2265	7F	3102	7J	3629	3G	3938	12G	7630	4B	9075	7H		
	2266	7F	3103	8H	3630	2G	3941	9E	7665	9A	9076	5G		
	2267	7F	3104	9I	3631	3G	3943	13I	7666	9C	9077	5G		
	2270	8F	3106	8I	3652	10B	3944	13I	7669	8D	9078	5H		
	2272	7G	3107	8J	3653	10B	3945	13I	7670	7C	9079	6H		
	2274	7E	3111	9J	3654	9C	3946	8H	7671	7C	9080	7G		
	2275	8F	3113	7J	3655	9C	3947	5B	7672	5G	9081	6I		
	2278	7G	3114	8J	3656	10C	3951	7I	7675	6J	9082	6I		
	2279	8E	3115	10J	3657	8B	5108	9H	7726	6E	9083	6I		
	2280	7G	3116	10H	3658	9A	5109	10H	7727	5D	9084	6I		
	2285	5F	3117	13I	3659	9A	5259	8F	7728	11D	9085	6I		
	2286	5G	3118	12I	3660	8B	5260	8G	7729	11G	9086	6I		
	2287	5F	3121	11I	3661	8C	5261	8F	7730	12G	9087	6I		
	2290	7G	3122	11I	3662	8C	5262	9H	7732	11G	9088	5J		
	2291	6F	3132	12J	3663	8D	5270	9F	7738	10D	9089	5J		
	2292	6F	3258	8G	3664	8C	5271	6F	7739	11C	9090	5J		
	2295	6G	3259	8G	3665	8D	5608	2D	7840	11F	9091	5J		
	2296	6F	3262	9G	3666	9D	5611	3B	7842	10D	9092	5H		
	2297	8G	3263	9F	3667	5B	5620	2C	7865	6J	9092	5H		
	2298	5F	3264	6F	3668	6C	5629	4B	7871	6G	9094	4I		
	2490	1B	3265	4G	3669	7D	5630	4A	7876	12D	9095	4H		
	2492	3F	3267	5E	3670	7D	5631	3A	7878	12D	9096	4H		
	2503	2G	3269	5E	3671	6D	5632	2G	7880	13G	9097	2I		
	2507	1G	3271	5E	3672	6D	5653	11B	7912	11G	9098	2I		
	2520	10I	3278	9F	3673	5D	5654	7B	9001	11A	9099	1I		
	2521	11J	3279	8F	3675	6G	5655	8B	9002	12B	9100	1I		
	2523	10H	3280	8E	3676	6G	5656	9B	9003	13C	9101	11J		
	2524	1G	3281	6F	3726	12G	5658	6B	9004	11D	9102	1H		
	2525	1G	3282	6E	3727	12C	5659	5B	9005	12D	9103	1G		
	2526	11I	3283	7G	3728	5D	5660	5B	9006	13D	9105	3H		
	2527	1G	3284	7F	3729	11G	5661	6A	9007	13D	9106	3G		
	2571	2H	3285	7G	3730	6C	5662	6C	9008	13C	9107	3G		

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

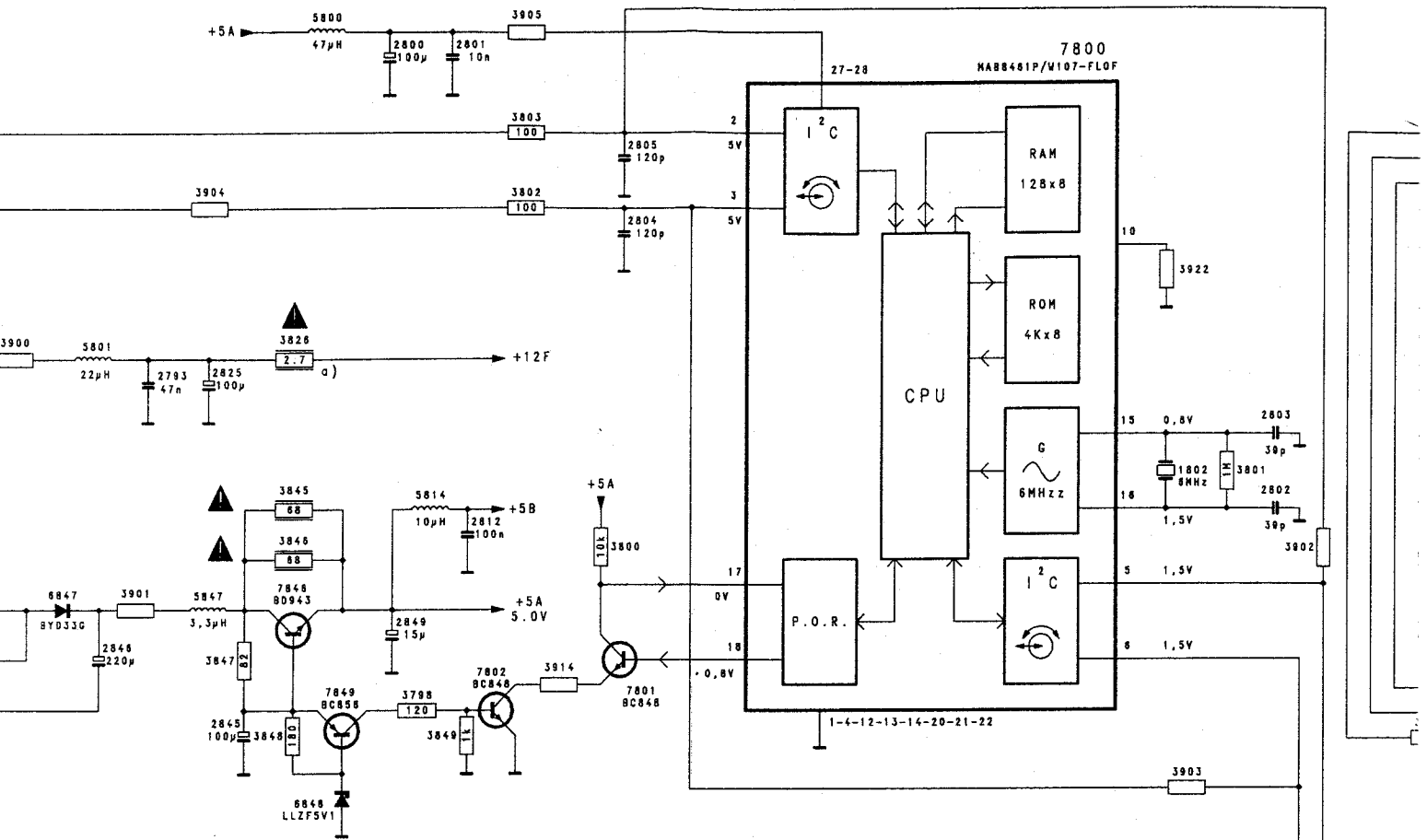
G90-G110-CP90-CP110 EUROPE & NORDIQUE
 TXT-DECODER-DECODIFICATORE TELETTESTO-D



- a) G90/G110
 2823 - 470p
 3809 - 4,7k
 3826 - 15Ω
- b) PRESENT IN SCAN VERSION
- c) ONLY FOR EUROPE VERSION
- d) ONLY FOR G90 G110
 NORDIQUE VERSION



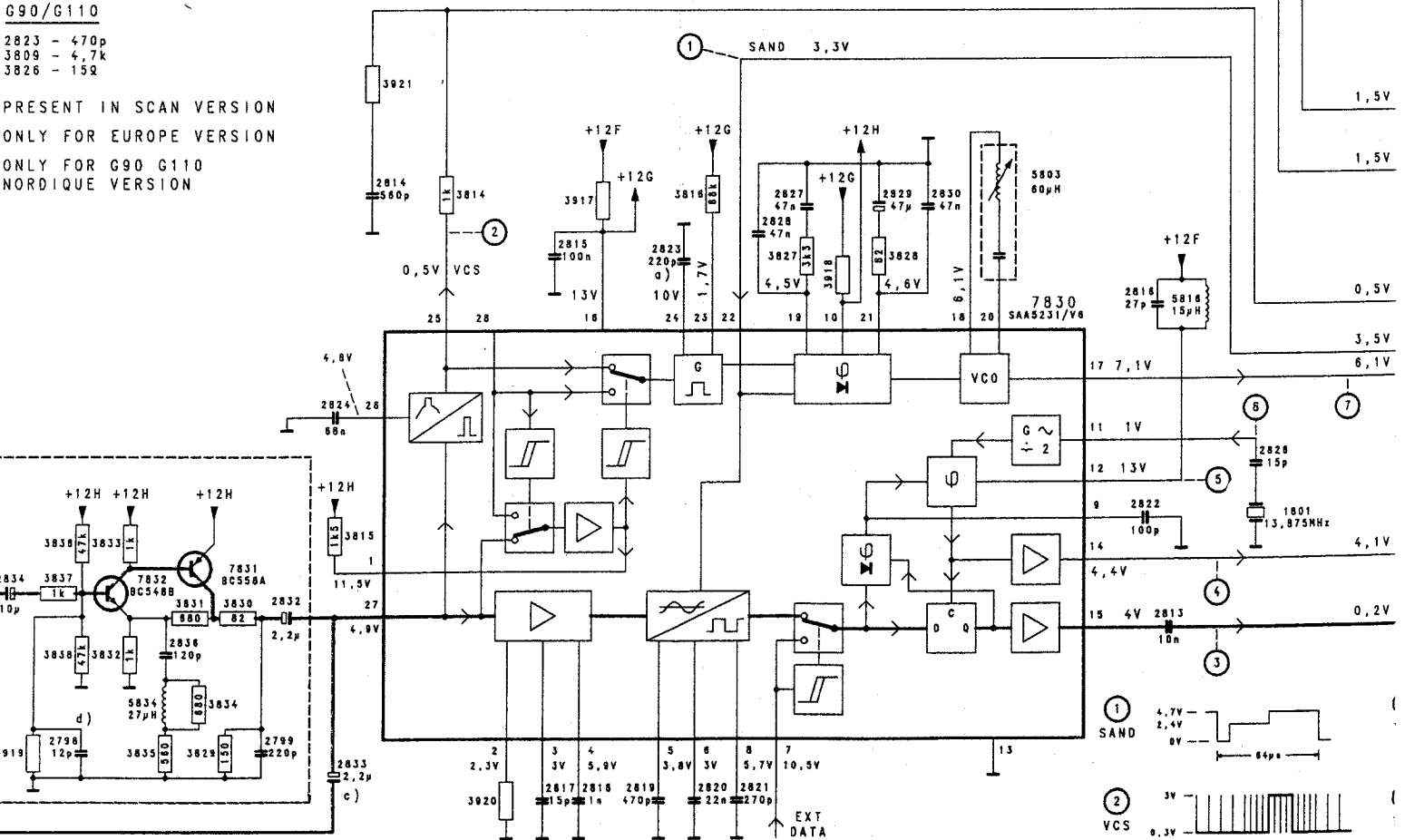
G110-CP90-CP110 EUROPE & NORDIQUE
 DECODER-DECODIFICATORE TELETESTO-DECODEUR TELETEXTE-DECODIFICADOR DE TELI



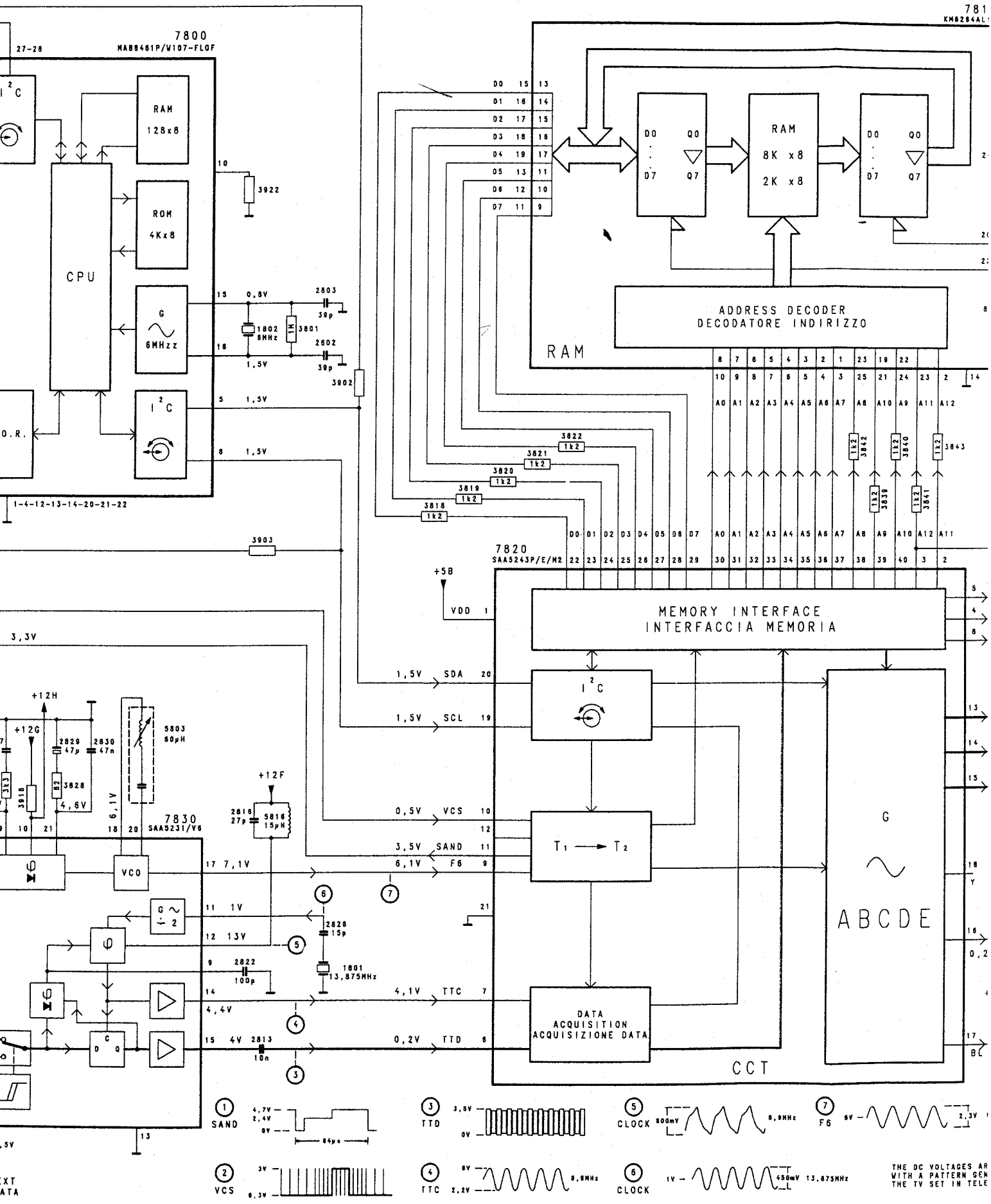
G90/G110

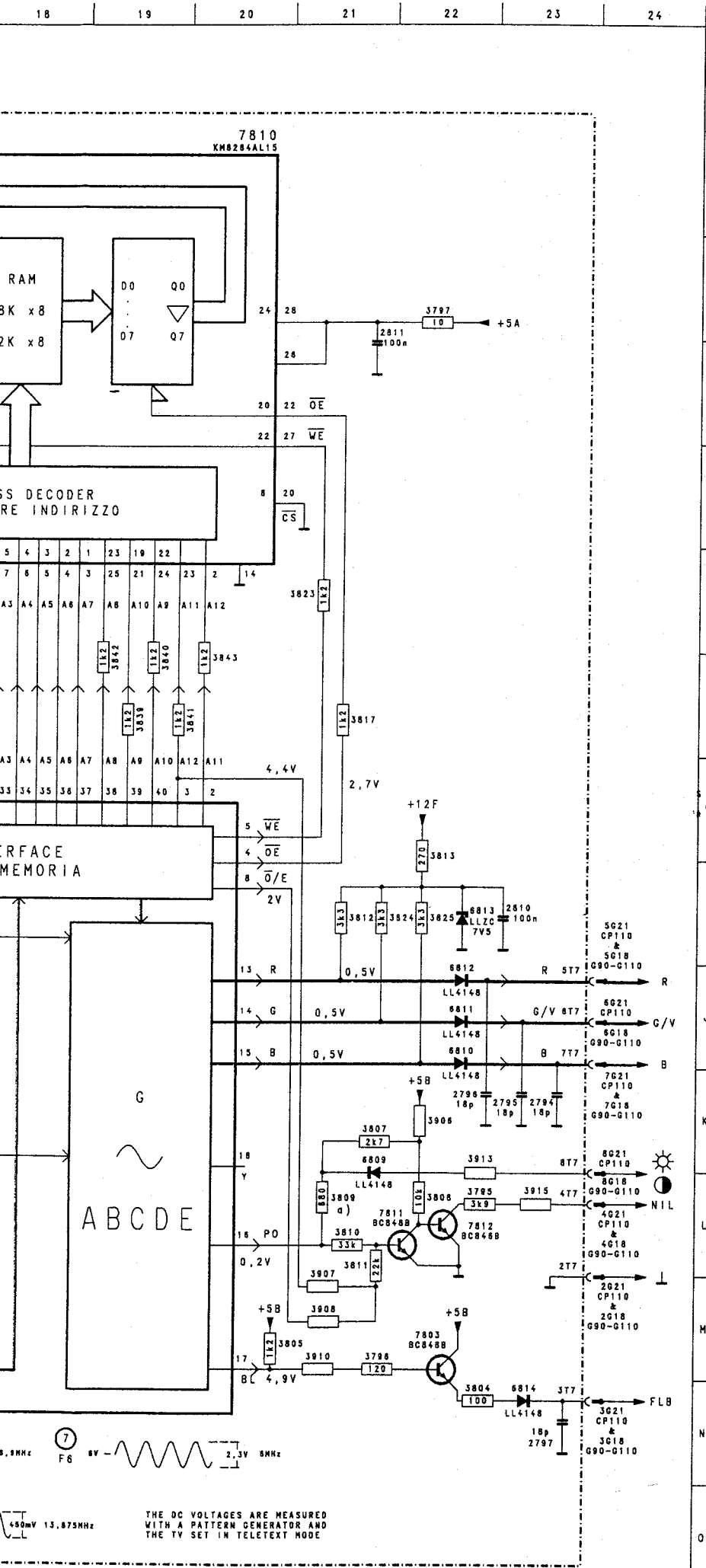
2823 - 470p
 3809 - 4,7k
 3826 - 15Ω

PRESENT IN SCAN VERSION
 ONLY FOR EUROPE VERSION
 ONLY FOR G90 G110
 NORDIQUE VERSION



TELETEXTE-DECODIFICADOR DE TELETEXTO-FLOF



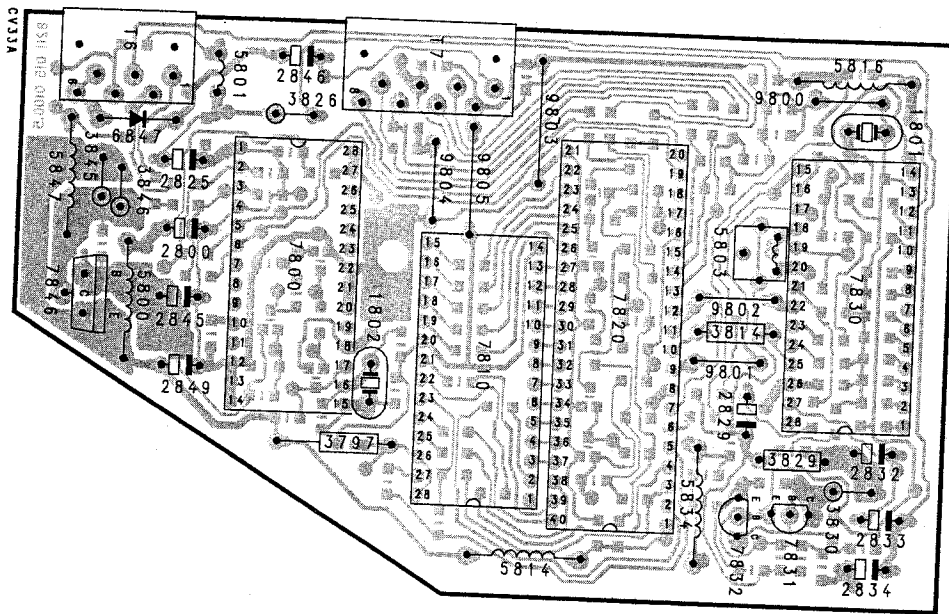


1801	13M	3904	7C
1802	12E	3905	6B
2793	4D	3906	22K
2797	23N	3907	21L
2798	3N	3908	21M
2799	4N	3910	21M
2800	5B	3913	22K
2801	6B	3914	7G
2802	12E	3915	23L
2803	12E	3917	7J
2804	7C	3918	9K
2805	7C	3919	2N
2810	23I	3920	6O
2811	21C	3921	5I
2812	6F	3922	12D
2813	12M	5800	5B
2814	5J	5801	3D
2815	7J	5803	10I
2816	12K	5814	6E
2817	7O	5816	12K
2818	7O	5834	3N
2819	7O	5847	4F
2820	8O	6809	21K
2821	8O	6810	22J
2822	12L	6811	22J
2823	8J	6812	22J
2824	5L	6813	22I
2825	4D	6814	23N
2826	13L	6847	3F
2827	9J	6848	5H
2828	9J	7800	11B
2829	10J	7801	7G
2830	10J	7802	6G
2832	5M	7803	22M
2833	5O	7810	20B
2834	2M	7811	22L
2836	4N	7812	22L
2845	4G	7820	14H
2846	3G	7830	11K
2849	5F	7831	4M
3795	22L	7832	3M
3796	21M	7846	5F
3797	22C	7849	5G
3798	6G		
3800	7F		
3801	12E		
3802	6C		
3803	6B		
3804	22N		
3805	21M		
3807	21K		
3808	22L		
3809	21L		
3810	21L		
3811	21L		
3812	21I		
3813	22H		
3814	6J		
3815	5M		
3816	8J		
3817	21G		
3818	14G		
3819	14G		
3820	15G		
3821	15G		
3822	15F		
3824	22I		
3825	22I		
3826	5D		
3827	9J		
3828	10J		
3829	4N		
3830	4M		
3831	4M		
3832	3N		
3833	3M		
3834	4N		
3835	3N		
3836	3M		
3837	3M		
3838	3N		
3839	19G		
3840	19G		
3841	20G		
3842	19G		
3843	20G		
3845	5E		
3846	5F		
3847	4G		
3848	4G		
3849	6G		
3900	2D		
3901	3F		
3902	13F		
3903	12H		

THE DC VOLTAGES ARE MEASURED WITH A PATTERN GENERATOR AND THE TV SET IN TELETEXT MODE

TO CHASSIS
CP110 20 G
G90-G110 17 G

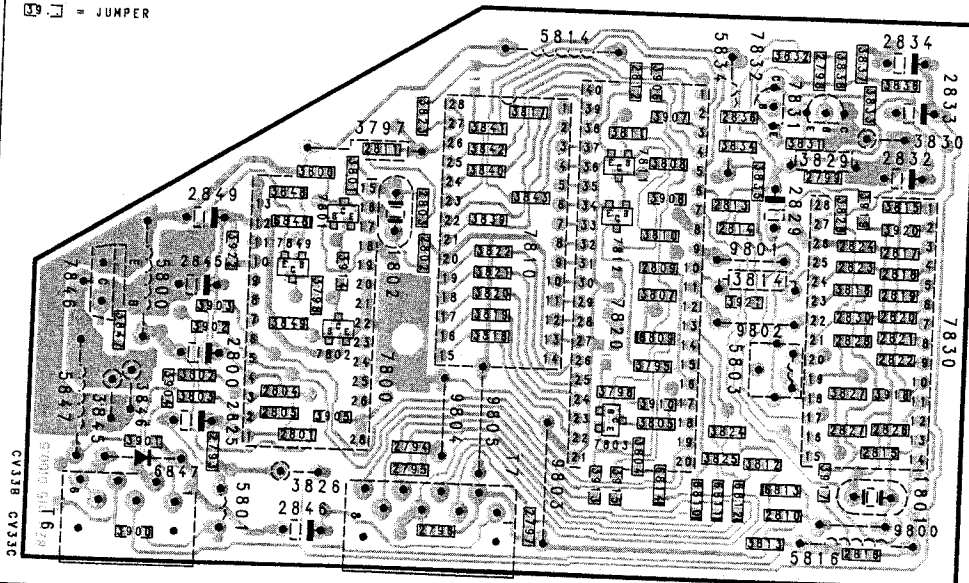
TO CHASSIS
CP110 21 G
G90-G110 18 G



1801 3A	2819 2A	3802 2D	3829 1A	3905 3D	6813 3B
1802 2D	2820 2A	3803 3D	3830 1A	3906 1B	6814 3B
2793 3D	2821 2A	3804 3B	3831 1B	3907 1B	6847 3E
2794 3C	2822 2A	3805 3B	3832 1B	3908 2B	6848 2D
2795 3C	2823 2A	3807 2B	3833 1A	3910 3B	7800 2D
2796 3C	2824 2A	3808 1B	3834 1B	3913 3B	7801 2D
2797 3C	2825 3D	3810 2B	3835 1B	3914 2D	7802 2D
2798 1A	2826 3A	3811 1B	3836 1A	3915 3B	7803 3B
2799 1A	2827 3A	3812 3B	3837 1A	3917 3A	7810 2C
2800 2D	2828 2A	3813 3B	3838 1A	3918 2A	7811 1B
2801 3D	2829 2B	3814 2B	3839 2C	3919 2A	7812 2B
2802 2C	2830 2A	3815 2A	3840 1C	3920 2A	7820 2B
2803 2C	2832 1A	3816 2A	3841 1C	3921 2B	7830 2A
2804 3D	2833 1A	3817 1C	3842 1C	3922 2D	7831 1B
2805 3D	2834 1A	3818 2C	3843 2C	5800 2E	7832 1B
2809 2B	2836 1B	3819 2C	3845 3E	5801 3D	7846 2E
2810 3B	2845 2D	3820 2C	3846 3E	5803 2B	7849 2D
2811 1D	2846 3D	3821 2C	3847 2E	5814 1C	9800 3A
2812 1B	2849 2D	3822 2C	3848 2D	5816 3A	9801 2B
2813 2B	3795 2B	3823 1C	3849 2D	5834 1B	9802 2B
2814 2B	3796 2B	3824 3B	3900 3E	5847 3E	9803 3C
2815 3A	3797 1D	3825 3B	3901 3E	6809 2B	9804 3C
2816 3A	3798 2D	3826 3D	3902 2D	6810 3B	9805 3C
2817 2A	3800 1D	3827 2A	3903 2D	6811 3B	
2818 2A	3801 1D	3828 2A	3904 3E	6812 3B	

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

□ = RESISTOR
□ = JUMPER



100

RE

M

21

22

Va

180

180

II

2796

2794

2795

2796

2797

2799

2800

2801

2802

2803

2804

2805

2810

2811

2812

2813

2814

2815

2816

2817

2818

2819

2820

2821

2822

2823

2824

2825

2826

2827

2828

2829

2830

2832 1)

2833 2)

2834 1)

2836 1)

2845

2846

2849



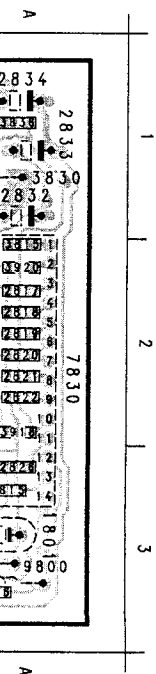
3795

3796

3797

3798


1005 TXT FLOF MODULE






REMARKS		
1) only for NORDIC sets 2) not for NORDIC sets		
Mechanical parts		
21	4822 265 40469	6p female gold plated
22	4822 265 40471	8p female gold plated
Various parts		
1801	4822 242 71417	crystal 13.875 MHz
1802	4822 242 71508	filter 6.0 MHz
2793	4822 122 32542	47nF 10% 50V
2794	4822 122 31769	18pF 5% 50V
2795	4822 122 31769	18pF 5% 50V
2796	4822 122 31769	18pF 5% 50V
2797	4822 122 31769	18pF 5% 50V
2799 1)	4822 122 33637	220pF 10% 50V
2800	4822 124 41584	100µF 20% 10V
2801	4822 122 33478	10nF 20%
2802	4822 122 31972	39pF 5% 50V
2803	4822 122 31972	39pF 5% 50V
2804	4822 122 31766	120pF 5% 50V
2805	4822 122 31766	120pF 5% 50V
2810	4822 122 33496	100nF 10% 63V
2811	4822 122 33496	100nF 10% 63V
2812	4822 122 33496	100nF 10% 63V
2813	4822 122 33478	10nF 20%
2814	4822 122 31773	560pF 5% 50V
2815	4822 122 33496	100nF 10% 63V
2816	4822 122 31825	27pF 5% 50V
2817	4822 122 32504	15pF 5% 50V
2818	5322 122 31647	1nF 10% 50V
2819	4822 122 31727	470pF 5%
2820	4822 122 31797	22nF 10% 63V
2821	4822 122 32142	270pF 5% 63V
2822	4822 122 31765	100pF 5% 50V
2823	4822 122 33637	220pF 10%
2824	4822 122 32891	68nF 20% 50V
2825	4822 124 41568	100µF 20% 16V
2826	4822 122 32504	15pF 5% 50V
2827	4822 122 32542	47nF 10% 50V
2828	4822 122 32542	47nF 10% 50V
2829	4822 124 41506	47µF 20% 16V
2830	4822 122 32542	47nF 10% 50V
2832 1)	4822 124 41585	2.2µF 20% 50V
2833 2)	4822 124 41585	2.2µF 20% 50V
2834 1)	4822 124 41626	10 µF 20% 16V
2836 1)	4822 122 31766	120pF 5% 50V
2845	4822 124 41584	100µF 20% 10V
2846	4822 124 41554	220µF 20% 10V
2849	4822 124 41586	15 µF 20% 16V
3795	4822 111 90571	3k9 2% 0.125W
3796	4822 111 90339	120R 2% 0.125W
3797	4822 116 52176	10R 5% 0.5W
3798	4822 111 90339	120R 2% 0.125W

3800	4822 111 90249	10k 2% 0.1
3801	5322 111 90094	1M 5% 0.12
3802	5322 111 90091	100R 2% 0.
3803	5322 111 90091	100R 2% 0.
3804	4822 111 90091	100R 2% 0.
3805	5322 111 90096	1k2 2% 0.1
3807	4822 111 90569	2k7 2% 0.1
3808	4822 111 90249	10k 2% 0.1
3809	4822 111 90162	680R 2% 0.
3810	5322 111 90267	33k 2% 0.1
3811	4822 111 90251	22k 2% 0.1
3812	4822 111 90157	3k3 2% 0.1
3813	4822 111 90154	270R 2% 0.
3814	4822 116 52204	1k 5% 0.5W
3815	4822 111 90151	1k5 2% 0.1
3816	4822 111 90202	68k 2% 0.1
3817	5322 111 90096	1k2 2% 0.1
3818	5322 111 90096	1k2 2% 0.1
3819	5322 111 90096	1k2 2% 0.1
3820	5322 111 90096	1k2 2% 0.1
3821	5322 111 90096	1k2 2% 0.1
3822	5322 111 90096	1k2 2% 0.1
3823	5322 111 90096	1k2 2% 0.1
3824	4822 111 90157	3k3 2% 0.1
3825	4822 111 90157	3k3 2% 0.1
3826	4822 111 30494	2R7 5% 0.3
3827	4822 111 90157	3k3 2% 0.1
3828	4822 111 90124	82R 2% 0.1
3829 1)	4822 116 52211	150R 5% 0.
3830 1)	4822 116 52379	82R 5% 0.5
3831 1)	4822 111 90162	680R 2% 0.
3832 1)	5322 111 90092	1k 2% 0.125
3833 1)	5322 111 90092	1k 2% 0.125
3834 1)	4822 111 90162	680R 2% 0.
3835 1)	5322 111 90113	560R 2% 0.
3836 1)	4822 111 90543	47k 2% 0.12
3837 1)	5322 111 90092	1k 2% 0.125
3838 1)	4822 111 90543	47k 2% 0.12
3839	5322 111 90096	1k2 2% 0.12
3840	5322 111 90096	1k2 2% 0.12
3841	5322 111 90096	1k2 2% 0.12
3842	5322 111 90096	1k2 2% 0.12
3843	5322 111 90096	1k2 2% 0.12
3845	4822 111 30531	68R 5% 0.3
3846	4822 111 30531	68R 5% 0.3
3847	4822 111 90124	82R 2% 0.1
3848	5322 111 90242	180R 2% 0.
3849	5322 111 90092	1k 2% 0.125
3900	4822 111 90163	jumper
3901	4822 111 90163	jumper
3904	4822 111 90163	jumper
3905	4822 111 90163	jumper
3906	4822 111 90163	jumper
3908	4822 111 90163	jumper
3910	4822 111 90163	jumper
3913	4822 111 90163	jumper
3914	4822 111 90163	jumper
3915	4822 111 90163	jumper
3917	4822 111 90163	jumper
3918	4822 111 90163	jumper
3919	4822 111 90163	jumper
3921	4822 111 90163	jumper
3922	4822 111 90163	jumper

1005 TXT FLOF MODULE

			
		3800	4822 111 90249 10k 2% 0.125W
		3801	5322 111 90094 1M 5% 0.125W
		3802	5322 111 90091 100R 2% 0.125W
		3803	5322 111 90091 100R 2% 0.125W
		3804	4822 111 90091 100R 2% 0.125W
		3805	5322 111 90096 1k2 2% 0.125W
		3807	4822 111 90569 2k7 2% 0.125W
		3808	4822 111 90249 10k 2% 0.125W
		3809	4822 111 90162 680R 2% 0.125W
		3810	5322 111 90267 33k 2% 0.125W
		3811	4822 111 90251 22k 2% 0.125W
		3812	4822 111 90157 3k3 2% 0.125W
		3813	4822 111 90154 270R 2% 0.125W
		3814	4822 116 52204 1k 5% 0.5W
		3815	4822 111 90151 1k5 2% 0.125W
		3816	4822 111 90202 68k 2% 0.125W
		3817	5322 111 90096 1k2 2% 0.125W
		3818	5322 111 90096 1k2 2% 0.125W
		3819	5322 111 90096 1k2 2% 0.125W
		3820	5322 111 90096 1k2 2% 0.125W
		3821	5322 111 90096 1k2 2% 0.125W
		3822	5322 111 90096 1k2 2% 0.125W
		3823	5322 111 90096 1k2 2% 0.125W
		3824	4822 111 90157 3k3 2% 0.125W
		3825	4822 111 90157 3k3 2% 0.125W
		3826	4822 111 30494 2R7 5% 0.33W
		3827	4822 111 90157 3k3 2% 0.125W
		3828	4822 111 90124 82R 2% 0.125W
		3829 1)	4822 116 52211 150R 5% 0.5W
		3830 1)	4822 116 52379 82R 5% 0.5W
		3831 1)	4822 111 90162 680R 2% 0.125W
		3832 1)	5322 111 90092 1k 2% 0.125W
		3833 1)	5322 111 90092 1k 2% 0.125W
		3834 1)	4822 111 90162 680R 2% 0.125W
		3835 1)	5322 111 90113 560R 2% 0.125W
		3836 1)	4822 111 90543 47k 2% 0.125W
		3837 1)	5322 111 90092 1k 2% 0.125W
		3838 1)	4822 111 90543 47k 2% 0.125W
		3839	5322 111 90096 1k2 2% 0.125W
		3840	5322 111 90096 1k2 2% 0.125W
		3841	5322 111 90096 1k2 2% 0.125W
		3842	5322 111 90096 1k2 2% 0.125W
		3843	5322 111 90096 1k2 2% 0.125W
		3845	4822 111 30531 68R 5% 0.33W
		3846	4822 111 30531 68R 5% 0.33W
		3847	4822 111 90124 82R 2% 0.125W
		3848	5322 111 90242 180R 2% 0.125W
		3849	5322 111 90092 1k 2% 0.125W
		3900	4822 111 90163 jumper
		3901	4822 111 90163 jumper
		3904	4822 111 90163 jumper
		3905	4822 111 90163 jumper
		3906	4822 111 90163 jumper
		3908	4822 111 90163 jumper
		3910	4822 111 90163 jumper
		3913	4822 111 90163 jumper
		3914	4822 111 90163 jumper
		3915	4822 111 90163 jumper
		3917	4822 111 90163 jumper
		3918	4822 111 90163 jumper
		3919	4822 111 90163 jumper
		3921	4822 111 90163 jumper
		3922	4822 111 90163 jumper

			
		5800	4822 156 20966 47µH 10%
		5801	4822 157 53252 22µH 5%
		5803	4822 157 52825 60µH
		5814	4822 157 53608 10µH 10%
		5816	4822 157 52224 15µH 10%
		5834 1)	4822 157 53001 27µH 10%
		5847	4822 157 51157 3.3µH 10%
			
		6809	4822 130 80446 LL4148
		6810	4822 130 80446 LL4148
		6811	4822 130 80446 LL4148
		6812	4822 130 80446 LL4148
		6813	4822 130 80906 LLZ-C7V5
		6814	4822 130 80446 LL4148
		6847	4822 130 42489 BYD33G
		6848	4822 130 80905 LLZ-F5V1
			
		7800	4822 209 72355 MAB8461P/W107
		7801	4822 130 61207 BC848
		7802	4822 130 61207 BC848
		7803	5322 130 41982 BC848B
		7810	4822 209 73584 KM6264AL-15
		7811	5322 130 41982 BC848B
		7812	5322 130 60159 BC846B
		7820	4822 209 73879 SAA5243P/E/M2
		7830	4822 209 72972 SAA5231/V6
		7831 1)	4822 130 40962 BC558A
		7832 1)	4822 130 40937 BC548B
		7846	5322 130 44921 BD943
		7849	5322 130 42012 BC858

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

Service Information

1989-04-13

CHASSIS CP 110

CT89-02

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

GB

In the course of production, the carrier panel and the picture tube panel have been modified. These modified panels have been applied in sets whose serial numbers start with QGII, AGII or higher.

Also in sets with serial numbers starting with QG09, AG09, the FLOF teletext has been introduced together with a mask change of the microprocessor:

TMP47C432 – 8188 for TXT CEEFAX
TMP47C432 – 8189 for TXT FLOF

So this means that, depending on the microprocessor, either a TXT CEEFAX or a TXT FLOF can be built into a non-teletext set.

This service information gives the modified and new circuit diagrams, the print layouts of the modified and the new printed boards and the parts lists.

F

En cours de production, la platine porteuse et celle du tube image ont été modifiées. Ces platines sont montées dans des appareils dont le n° de série commence par QGII, AGII et suivants.

Dans les appareils dont le n° de série commence par QG09, AG09 et suivants il y a également eu l'introduction du télétexte FLOF. Ceci a été de pair avec un changement du masque du microprocesseur.
A savoir:

TMP47C432 – 8188 pour le TXT CEEFAX
TMP47C432 – 8189 pour le TXT FLOF

Ceci signifie donc que dans des appareils ne présentant pas de télétexte, il y a moyen de monter soit un TXT CEEFAX, soit un TXT FLOF, ceci indépendamment de la version du microprocesseur.

Cette Info Service comporte les nouveaux schémas de principe modifiés, les dessins de platines des platines nouvelle et ancienne version et, la liste de pièces.

NL

Tijdens productie zijn het dragerpaneel en het beeldbuispaneel gewijzigd. Deze gewijzigde panelen zijn toegepast in apparaten waarvan het serienummer begint met QGII, AGII of hoger.

Tevens is in apparaten waarvan het serienummer begint met QG09, AG09 of hoger de FLOF teletekst ingevoerd. Dit is samen gegaan met een masker wijziging van de microprocessor:

TMP47C432 – 8188 voor TXT CEEFAX
TMP47C432 – 8189 voor TXT FLOF

Dit betekent dus dat in niet teletekst apparaten afhankelijk van de microprocessor versie een TXT CEEFAX of een TXT FLOF ingebouwd kan worden.

In deze service informatie worden de gewijzigde en nieuwe principe schema's, de print lay-outs van de gewijzigde en nieuwe panelen en de stuklijst gegeven.

D

Während der Produktion wurden die Trägerplatte und die Bildröhreplatte geändert. Diese geänderten Platten sind in Geräten, deren Seriennummer mit QGII, AGII oder höher anfängt, angewandt.

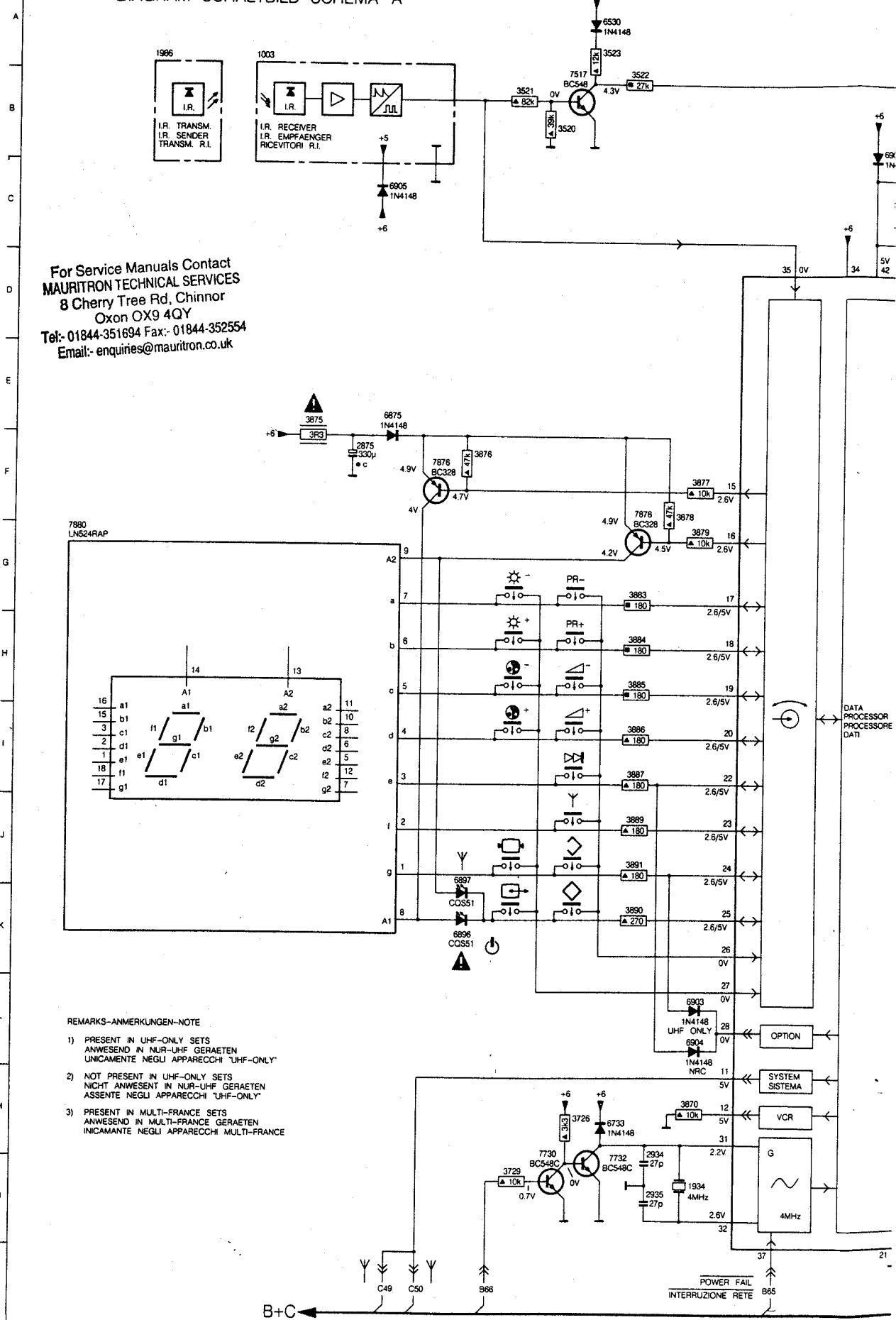
Gleichzeitig wurde in Geräten, deren Seriennummer mit QG09, AG09 oder höher anfängt, der FLOF-Videotext eingeführt. Dies war verbunden mit einer Maskenänderung des Mikroprozessors.
Nämlich:

TMP47C432 – 8188 für TXT CEEFAX
TMP47C432 – 8189 für TXT FLOF

Das bedeutet also, dass in Nicht-Videotext-Geräte je nach Mikroprozessor-Ausführung ein TXT CEEFAX oder ein TXT FLOF eingebaut werden kann.

In dieser Service-Information sind die geänderten und neuen Prinzipschaltbilder, die Printplattenauslegungen der geänderten und neuen Platten und die Stückliste enthalten.

DIAGRAM-SCHALTBILD-SCHEMA A

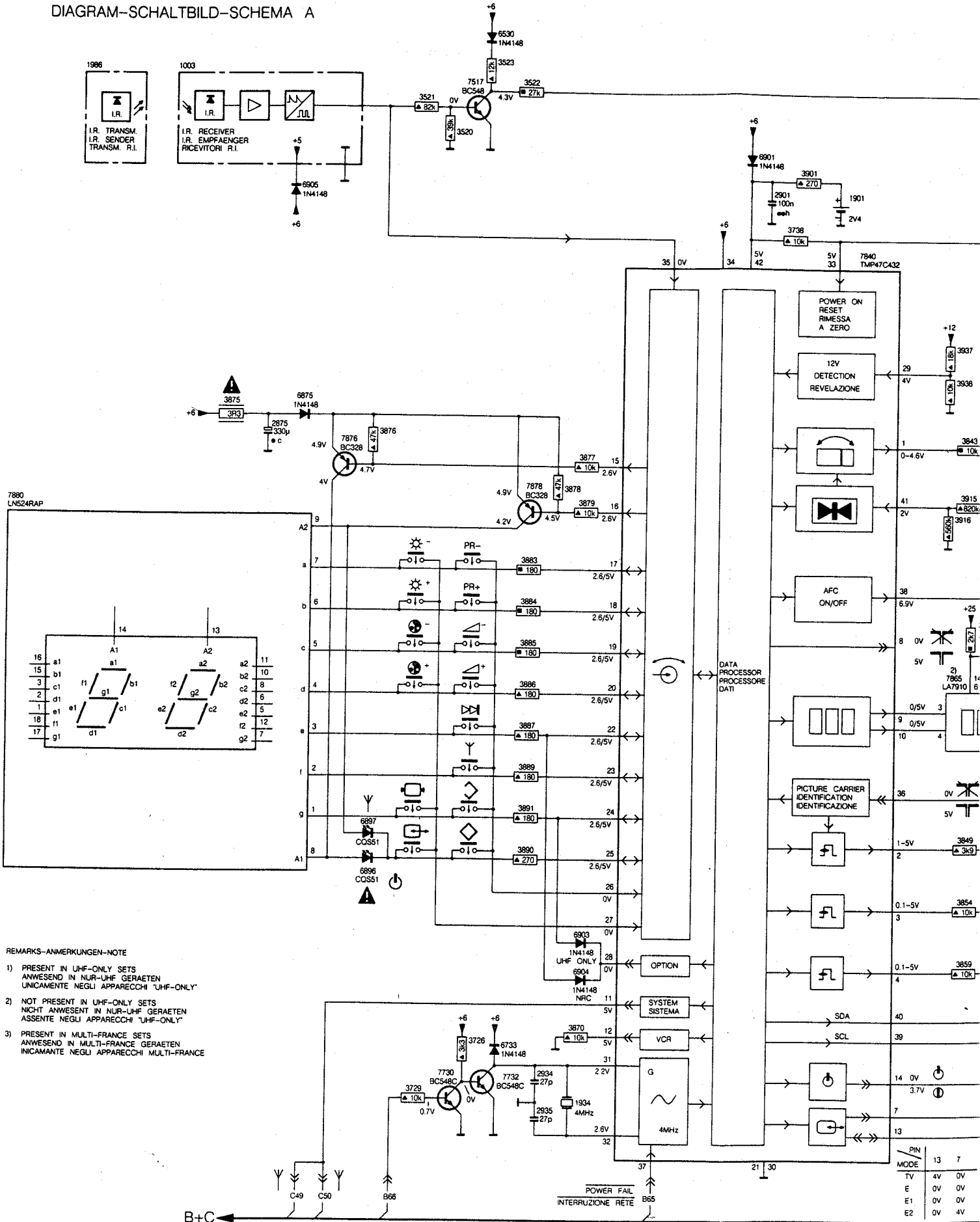


For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
 8 Cherry Tree Rd, Chinnor
 Oxon OX9 4QY
 Tel:- 01844-351694 Fax:- 01844-352554
 Email:- enquiries@mauritron.co.uk

- REMARKS-ANMERKUNGEN-NOTE
- 1) PRESENT IN UHF-ONLY SETS
 ANWESEND IN NUR-UHF GERÄTEN
 UNICAMENTE NEGLI APPARECCHI "UHF-ONLY"
 - 2) NOT PRESENT IN UHF-ONLY SETS
 NICHT ANWESENT IN NUR-UHF GERÄTEN
 ASSENTE NEGLI APPARECCHI "UHF-ONLY"
 - 3) PRESENT IN MULTI-FRANCE SETS
 ANWESEND IN MULTI-FRANCE GERÄTEN
 INICAMANTE NEGLI APPARECCHI MULTI-FRANCE

POWER FAIL
 INTERRUZIONE RETE

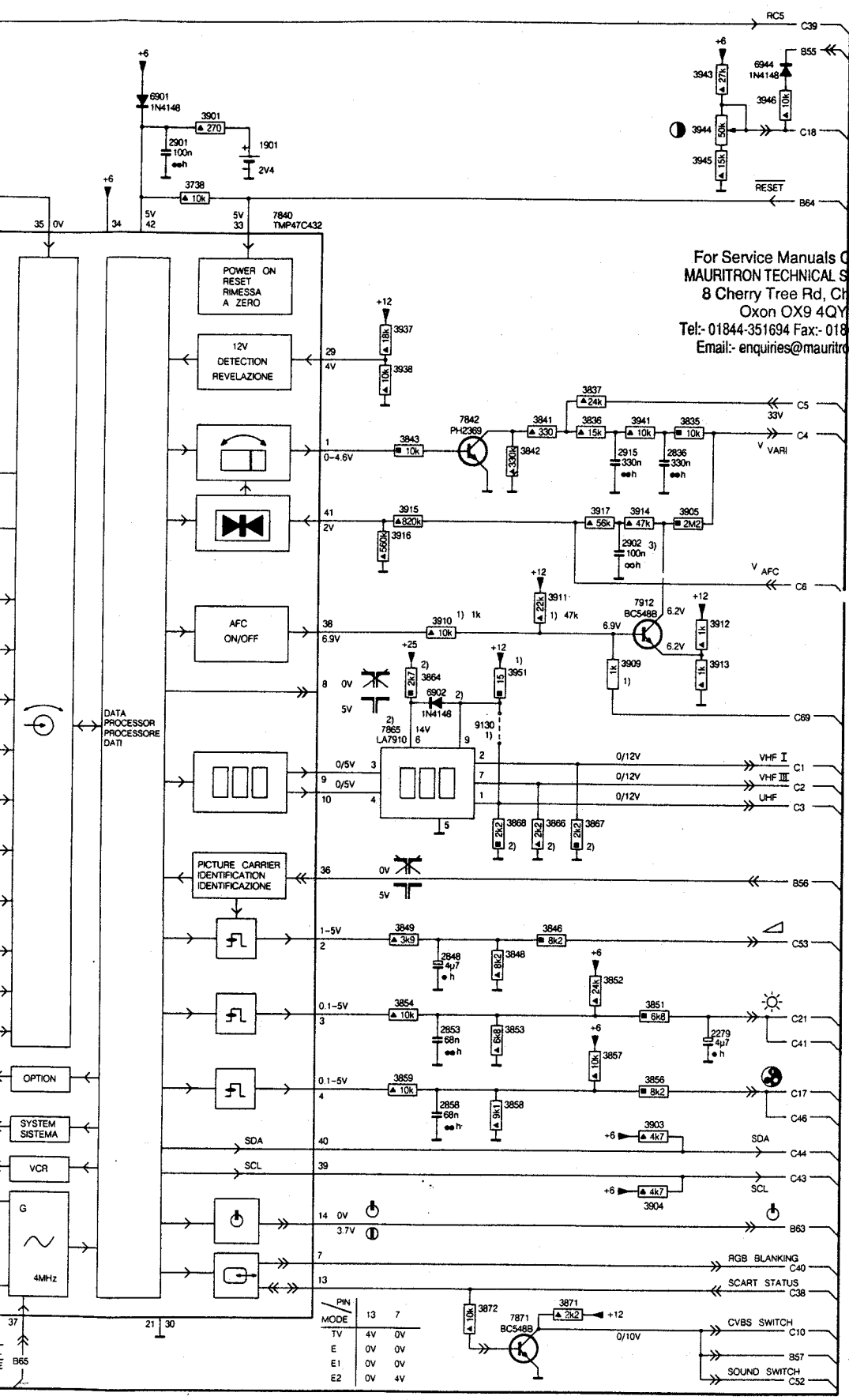
DIAGRAM-SCHALTBILD-SCHEMA A



REMARKS-ANMERKUNGEN-NOTE

- 1) PRESENT IN UHF-ONLY SETS
ANWESEND IN NUR-UHF GERÄTEN
UNICAMENTE NEGLI APPARECCHI "UHF-ONLY"
- 2) NOT PRESENT IN UHF-ONLY SETS
NICHT ANWESENT IN NUR-UHF GERÄTEN
ASSENTE NEGLI APPARECCHI "UHF-ONLY"
- 3) PRESENT IN MULTI-FRANCE SETS
ANWESEND IN MULTI-FRANCE GERÄTEN
INICAMANTE NEGLI APPARECCHI MULTI-FRANCE

VST2 SYSTEM
SISTEMA VST2



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

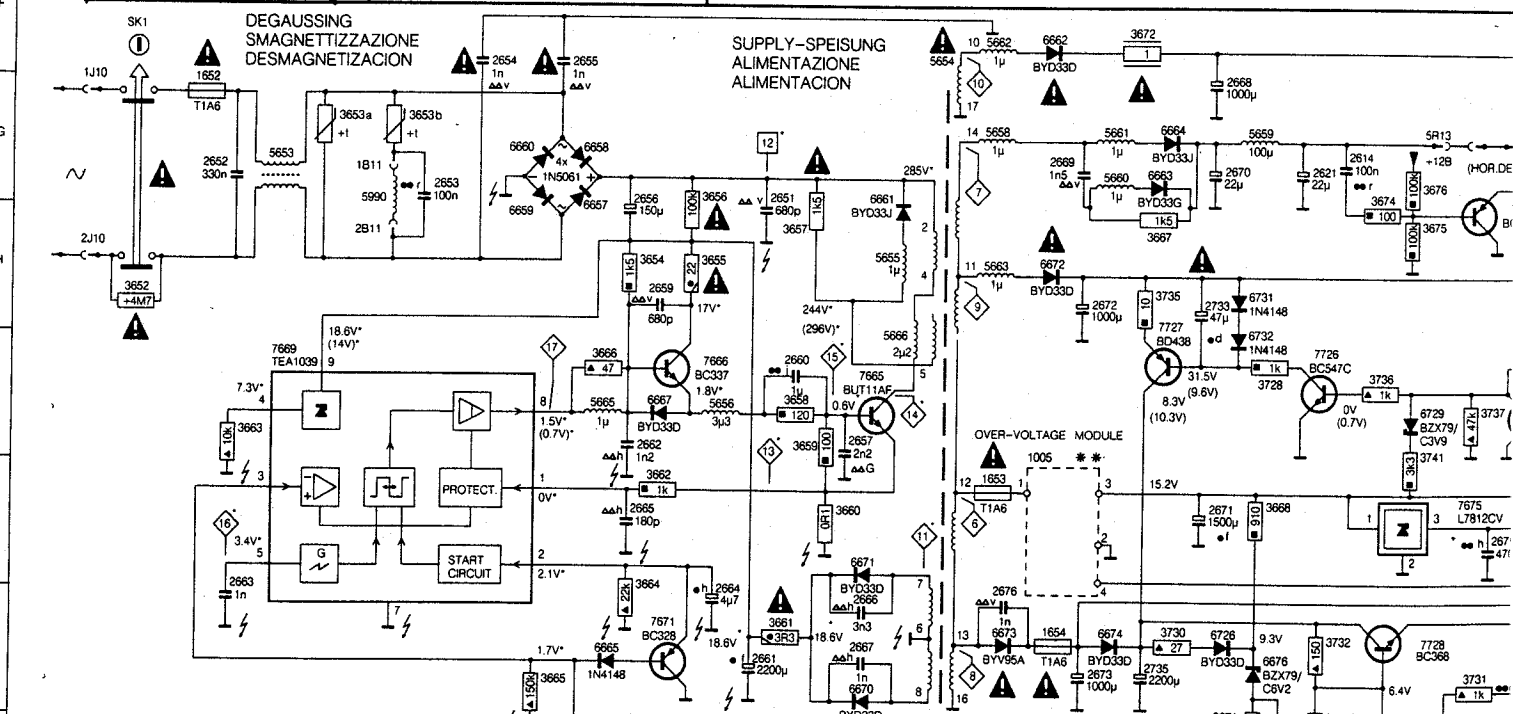
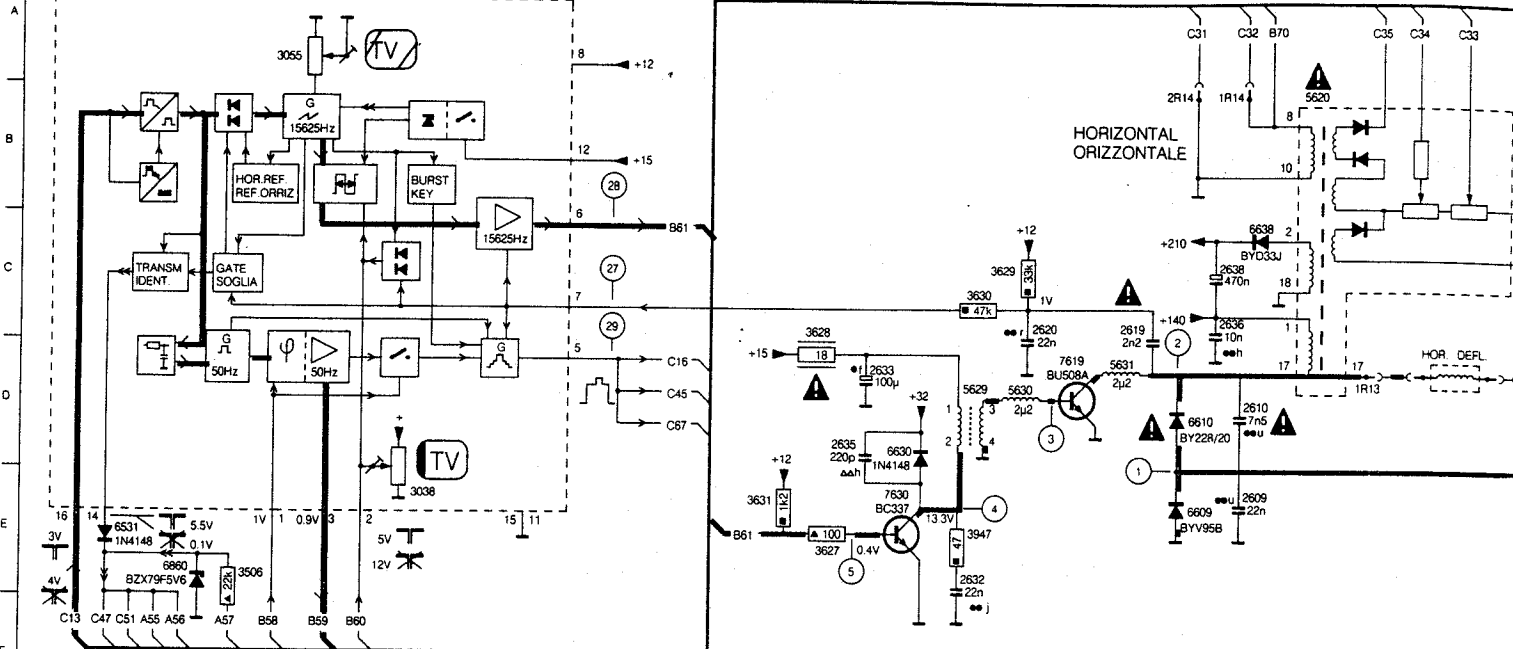
- 1003 A 3
- 1901 C11
- 1934 N 8
- 1986 A 2
- 2279 L16
- 2636 F15
- 2848 K13
- 2853 L13
- 2858 L13
- 2875 F 4
- 2901 C10
- 2902 G15
- 2915 F15
- 2934 M 8
- 2935 N 8
- 3520 B 6
- 3521 B 6
- 3522 B 7
- 3523 A 7
- 3726 M 7
- 3729 N 6
- 3738 C11
- 3835 F16
- 3836 F16
- 3837 E15
- 3841 F14
- 3842 F14
- 3843 F13
- 3846 K14
- 3848 K14
- 3849 K13
- 3851 K15
- 3852 K15
- 3853 L14
- 3854 K13
- 3856 L15
- 3857 L15
- 3858 L14
- 3859 L13
- 3864 H13
- 3866 J14
- 3867 J15
- 3868 J14
- 3870 M 8
- 3871 N14
- 3872 N14
- 3875 F 4
- 3876 F 8
- 3877 F 8
- 3878 F 8
- 3879 G 8
- 3883 G 7
- 3884 H 7
- 3885 H 7
- 3886 I 7
- 3887 I 7
- 3889 J 7
- 3890 K 7
- 3891 J 7
- 3901 C11
- 3903 M15
- 3904 M15
- 3905 F16
- 3909 H15
- 3910 H13
- 3911 G14
- 3912 H16
- 3913 H16
- 3914 F15
- 3915 F13
- 3916 G13
- 3917 F15
- 3937 E13
- 3938 E13
- 3941 F15
- 3943 B18
- 3944 C16
- 3945 C16
- 3946 B16
- 3951 H14
- 6530 A 7
- 6733 M 7
- 6875 E 5
- 6896 K 5
- 6897 J 5
- 6901 B10
- 6902 H13
- 6903 L 8
- 6904 L 8
- 6905 C 5
- 6944 B16
- 7517 B 7
- 7730 M 6
- 7732 M 7
- 7840 D11
- 7842 F13
- 7865 I13
- 7871 N14
- 7876 F 5
- 7878 F 7
- 7880 G 1
- 7912 G15
- 9130 I14

CP110

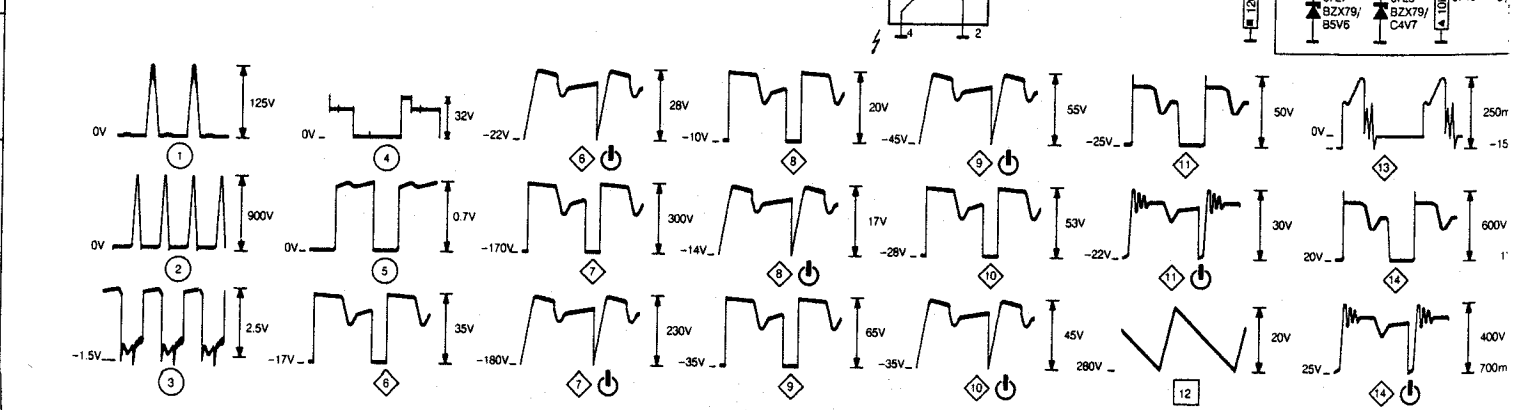
PRS.02082
T-02 903

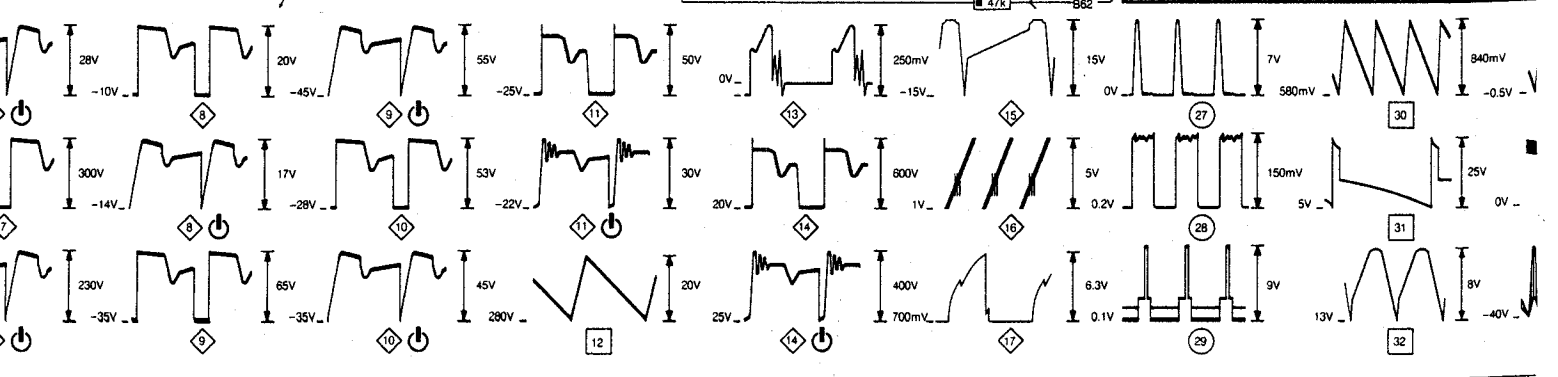
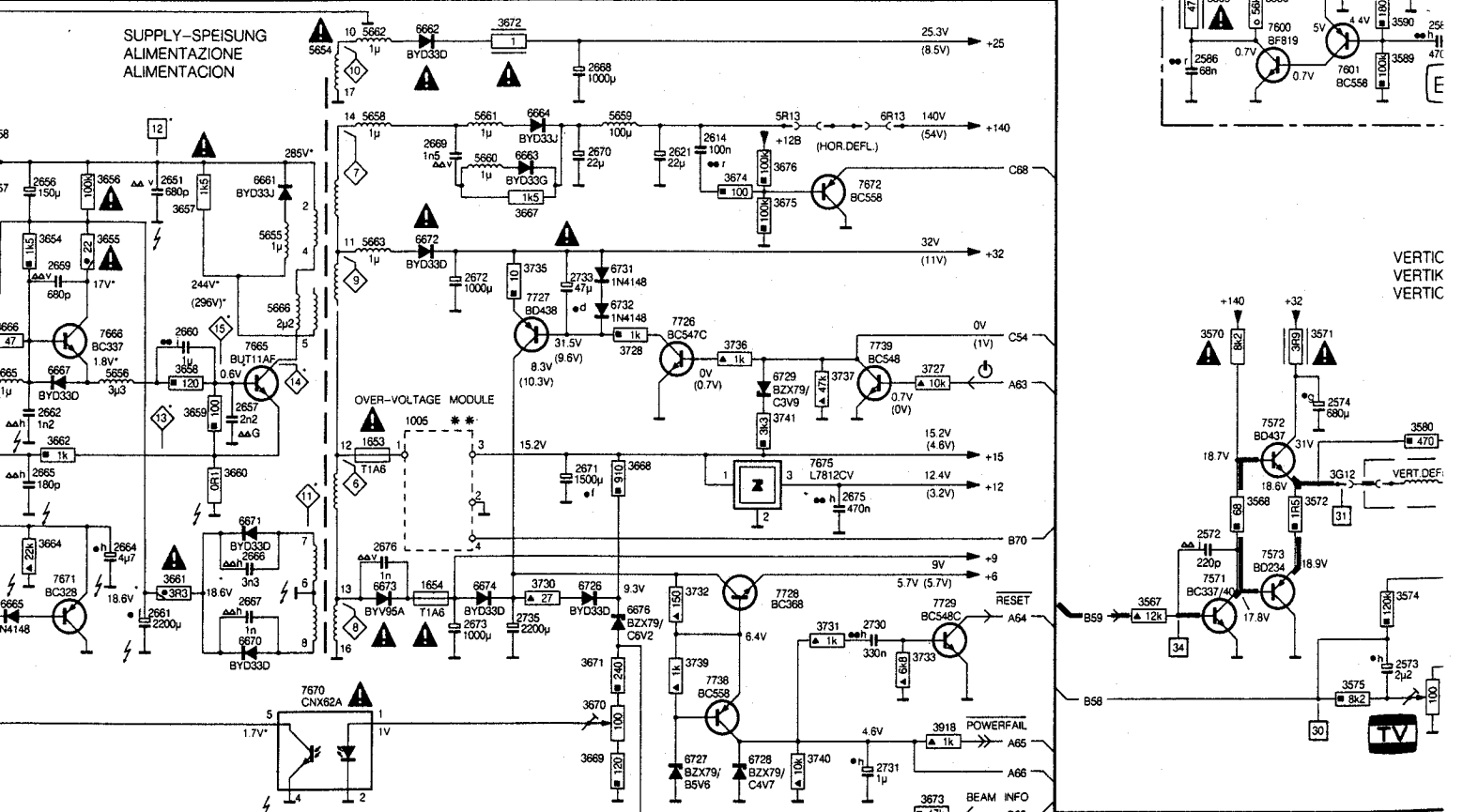
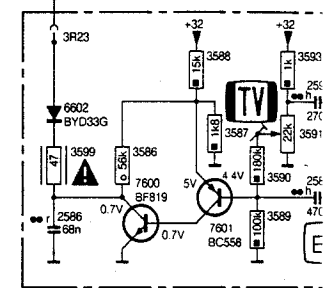
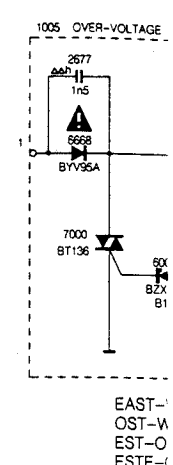
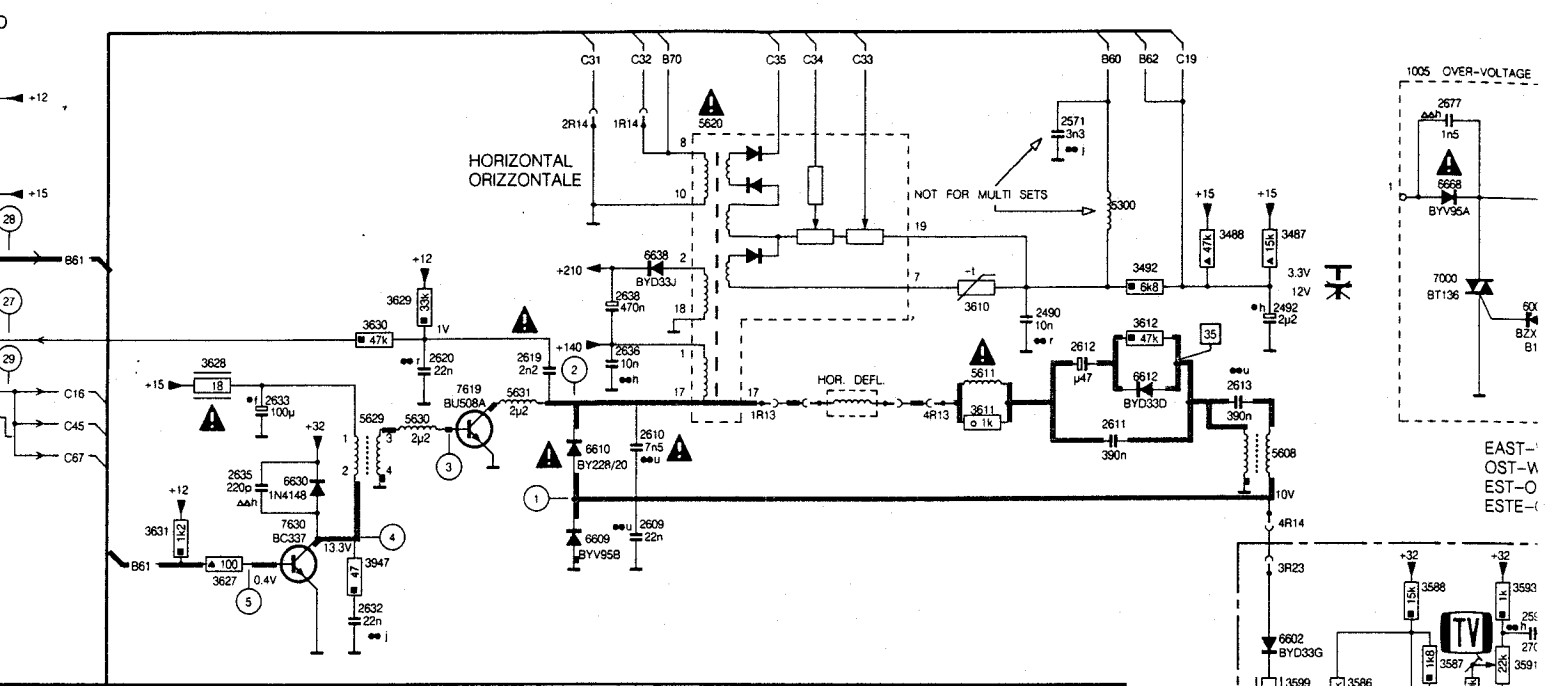
DIAGRAM-SCHALTBIKD-SHEMA-DIAGRAMA B

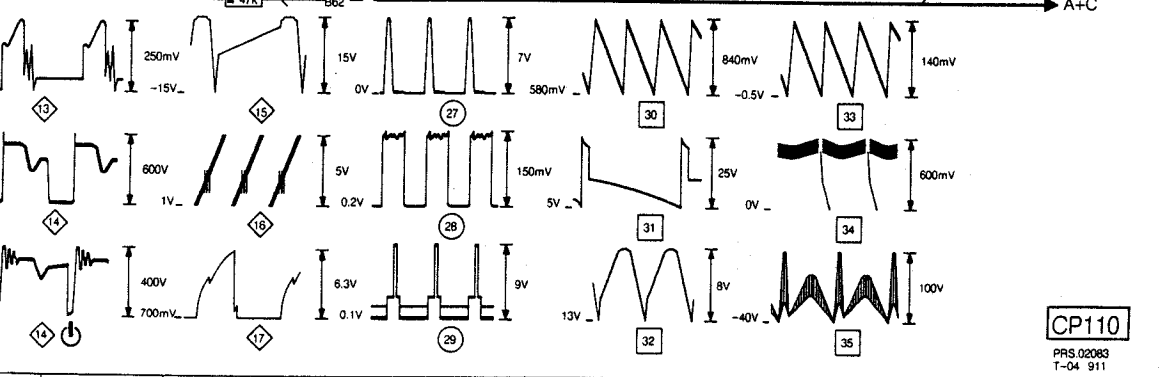
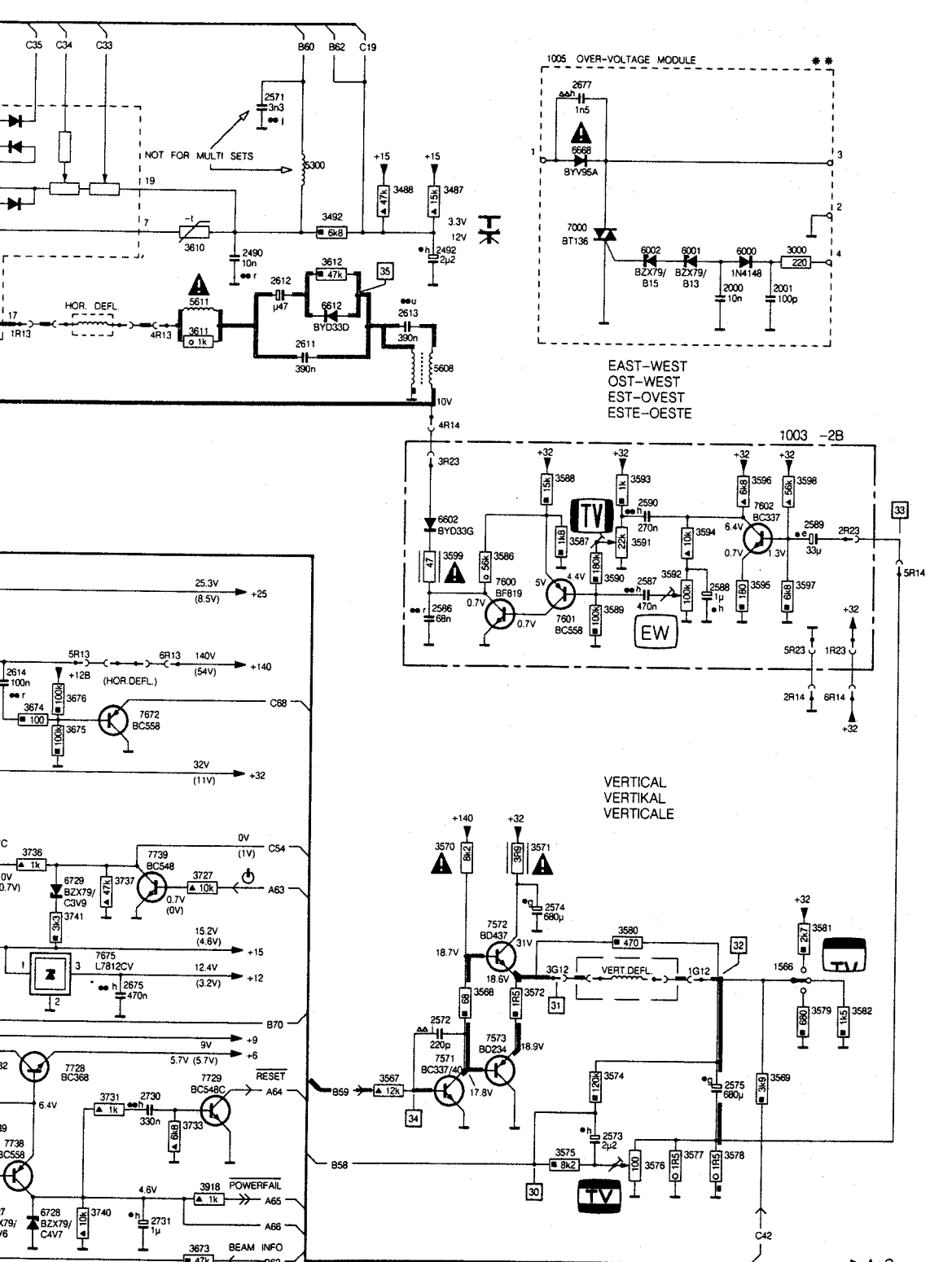
1001-2B SYNCHRONISATION-SINCROZZAZIONE-SYNCRONISMO



MEASURED IN RESPECT OF
MISURATO NEI CONFRONTI DI
MEDIRSE CON RESPECTO DE







1001	A	1	3918	L13
1003	E	19	3397	E 8
1005	L	9	5300	B14
1005	A17	5608	D16	
1566	J19	5611	D13	
1652	G	2	5620	B11
A 1653	J	8	5629	D 8
2572	K	8	5630	D 8
2000	C18	5633	D 8	
2001	C19	5653	G 2	
2490	C14	5654	F 8	
2492	C16	5655	H 7	
2571	B14	5656	I 6	
2587	F18	5663	H 8	
2588	F18	5665	I 5	
2589	F19	5665	H 8	
2590	E18	5990	G 3	
2609	E10	6000	C18	
2610	D10	6001	C18	
2611	D14	6002	C18	
C 2612	C10	6531	E 1	
2613	D15	6602	F 16	
2614	G11	6609	E10	
2619	C	9	6610	D10
2620	C	9	6612	D14
2621	G11	6630	D 7	
2632	E	8	6638	C10
2633	D	7	6657	G 5
2635	D	7	6658	G 5
D 2636	C10	6659	H 4	
2638	C10	6660	G 4	
2651	G	7	6661	G 7
2652	G	2	6662	F 9
2653	G	4	6663	G10
2654	F	4	6664	G10
2655	F	5	6665	K 5
2656	G	5	6667	I 6
2657	I	7	6668	B17
2659	H	6	6670	K 7
E 2660	I	7	6671	J 7
2661	K	6	6672	H 9
2662	I	6	6673	K 8
2663	J	2	6674	K 9
2664	J	6	6676	K11
2665	J	5	6726	K10
2666	K	7	6727	L11
2667	K	7	6728	L12
2668	F10	6729	I 12	
F 2669	G	9	6731	H10
2670	G10	6732	H10	
2671	J10	6860	E 2	
2672	H	9	7000	C17
2673	K	9	7571	K16
2675	J12	7572	I 16	
2676	J	8	7573	K16
2677	A17	7600	F16	
2730	K13	7601	G17	
G 2731	L13	7602	E19	
2733	H11	7670	L 8	
2735	K10	7630	E 9	
3000	C19	7665	I 7	
3038	E	4	7666	I 6
3055	A	2	7669	I 3
3487	B16	7670	L 8	
3488	B15	7671	L 8	
3492	C14	7672	G13	
3506	E	2	7675	J12
H 3567	K15	7726	I 11	
3568	J16	7727	H10	
3569	K19	7728	K12	
3570	I	16	7729	K13
3571	I	17	7738	L11
3572	J16	7739	I 13	
3574	K17	SK1	F 1	
3575	L17			
3576	L18			
3577	L18			
I 3578	L19			
3579	J19			
3580	I17			
3581	I19			
3582	J20			
3583	F16			
3587	F17			
3588	E17			
3589	F17			
J 3590	F17			
3591	F18			
3592	F18			
3593	E17			
3594	F18			
3595	F19			
3596	E19			
3597	F19			
3598	E19			
3599	F16			
K 3610	C13			
3611	D13			
3612	C14			
3627	F 7			
3628	F 7			
3629	C 8			
3630	C 8			
3631	F 6			
3652	F 6			
3653	G 3			
L 3654	H 6			
3654	H 6			
3655	H 6			
3656	G 6			
3657	H 7			
3658	H 7			
3659	I 7			
3660	J 7			
3661	K 7			
M 3662	J 6			
3663	I 2			
3664	J 6			
3665	K 6			
3666	J 5			
3667	H10			
3668	J11			
3669	L10			
3670	L10			
3671	K10			
N 3672	F 9			
3673	M13			
3674	G11			
3675	H12			
3676	G12			
3727	I13			
3728	I11			
3730	K10			
3731	K12			
3732	K12			
3733	K13			
O 3735	H10			
3736	I11			
3737	I12			
3739	K11			
3740	L12			
3741	I12			

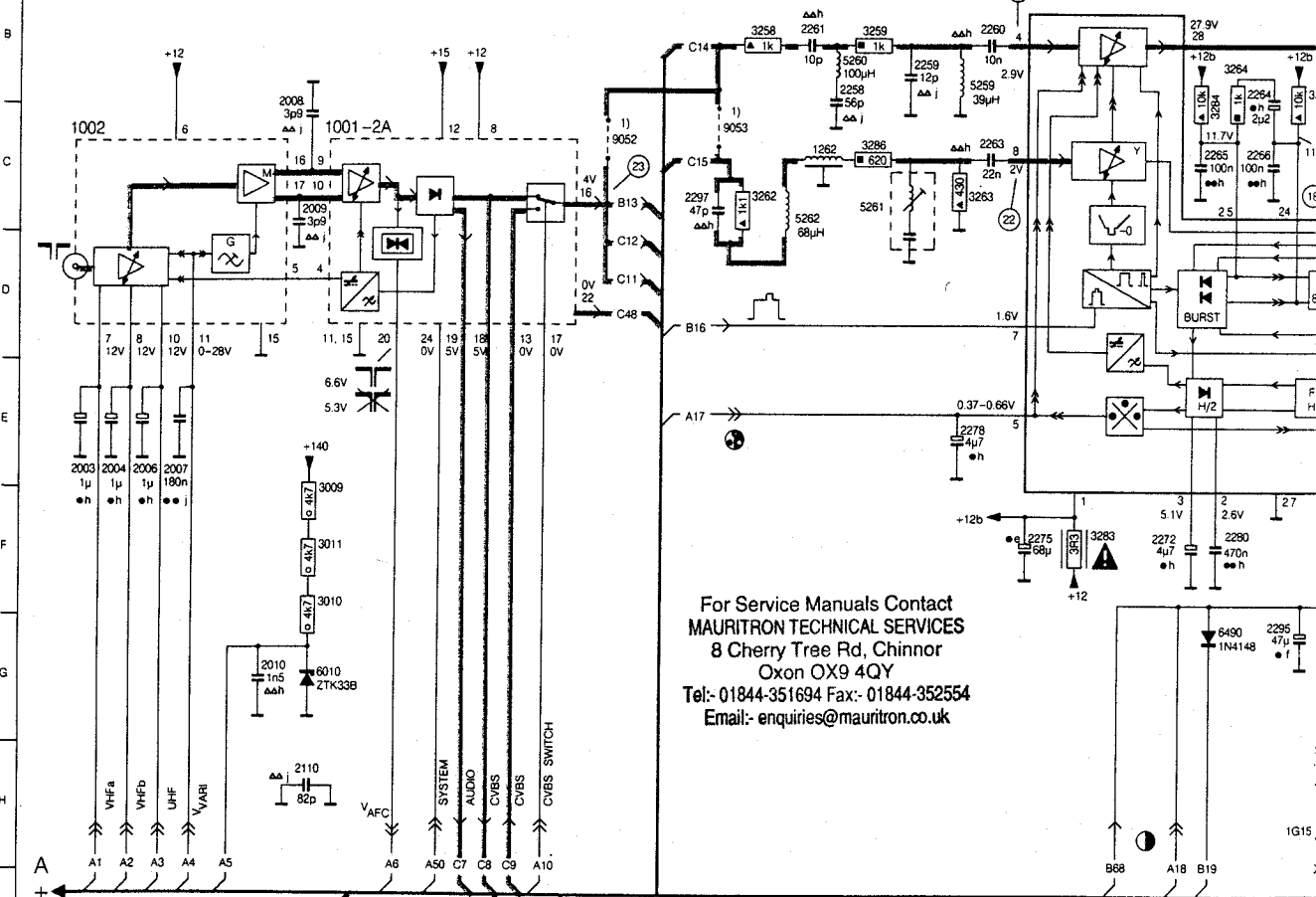
For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
 8 Cherry Tree Rd, Chinnor
 Oxon OX9 4OY
 Tel: 01844-351694 Fax: 01844-362554
 Email: enquiries@mauritron.co.uk

1001	C 3	1270	B13	2101	I 20	2110	H 3	2124	K18	2266	C11	2286	F13	2401	B17	2411	E18	2525	L 5	3103	J14	3117	M15	3264	B10	3282	B14	3292
1002	C 1	1990	D22	2102	I 21	2111	K21	2125	K17	2267	C12	2287	F12	2402	B17	2412	E18	2526	L14	3104	J15	3118	M15	3265	J 8	3283	F 9	3293
1003	A16	2003	E 1	2103	I 19	2112	K22	2259	B 7	2270	B12	2290	F15	2403	D17	2413	G18	2527	L 5	3106	L20	3121	K18	3267	F14	3284	B10	3294
1004	L13	2004	E 1	2104	K14	2113	J21	2259	B 8	2272	F10	2291	F15	2404	H18	2503	K 3	3009	F 3	3107	K20	3122	K19	3269	F13	3285	B11	3295
1005	I10	2006	E 1	2105	K15	2114	K20	2260	B 8	2274	B14	2292	F14	2405	G17	2507	L 4	3010	F 3	3111	J21	3132	I 21	3271	F12	3286	C 7	3402
1103	I14	2007	E 2	2106	K17	2115	J21	2261	B 7	2275	F 9	2295	G11	2406	A17	2520	K17	3011	F 3	3113	K21	3258	B 6	3278	B12	3287	J 8	3403
1104	J14	2008	C 3	2107	I 17	2116	K18	2263	C 8	2278	E 8	2296	F16	2407	F21	2521	K 5	3059	L 9	3114	K21	3259	B 7	3279	B14	3289	F13	3404
1262	C 7	2009	C 3	2108	I 15	2118	K19	2264	B11	2280	F10	2297	C 6	2408	G20	2523	M16	3101	I 19	3115	K21	3262	C 7	3280	B15	3290	F13	3405
1267	C11	2010	G 2	2109	I 16	2123	L19	2265	C10	2285	F14	2298	C14	2409	H19	2524	M 5	3102	I 21	3116	M14	3263	C 8	3281	B14	3291	F12	3406

DIAGRAM-SCHALTBIKD-SHEMA-DIAGRAMA C

CHANNEL SELECTOR IF AMPL.+DET. +AGC. +AFC.
 KANALWAELHLER ZF VERST. +DEM. +AVR. +AFA.
 SELETTORE CANALE AMPL. FI +RIVEL. CAG. +CAF.
 SELECTOR DE CANALES AMPL. FI +DET. +CAG. +CAF.

CHROMINANC FARBART +
 CROMINANZA CROMIANANC



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

REMARKS--ANMERKUNGEN-NOTE

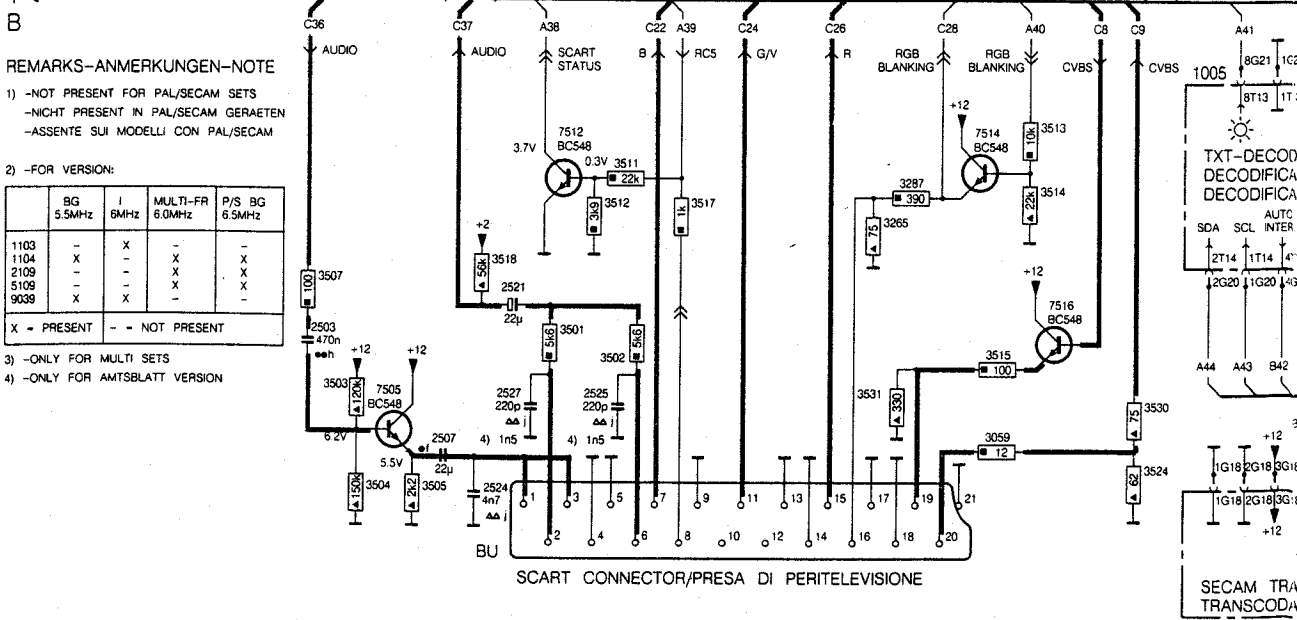
- 1) -NOT PRESENT FOR PAL/SECAM SETS
- NICHT PRESENT IN PAL/SECAM GERAEETEN
- ASSENTE SUI MODELLI CON PAL/SECAM

2) -FOR VERSION:

	BG 5.5MHz	I 6MHz	MULTI-FR 6.0MHz	P/S BG 6.5MHz
1103	-	X	-	-
1104	X	-	X	-
2109	-	-	X	X
5109	-	-	X	X
9039	X	X	-	-

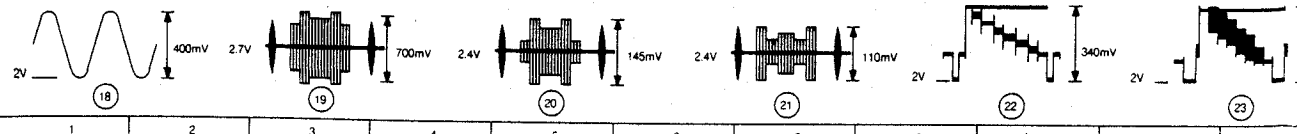
X = PRESENT - - NOT PRESENT

- 3) -ONLY FOR MULTI SETS
- 4) -ONLY FOR AMTSBLATT VERSION



SCART CONNECTOR/PRESA DI PERITELEVISIONE

SECAM TRANSCODING



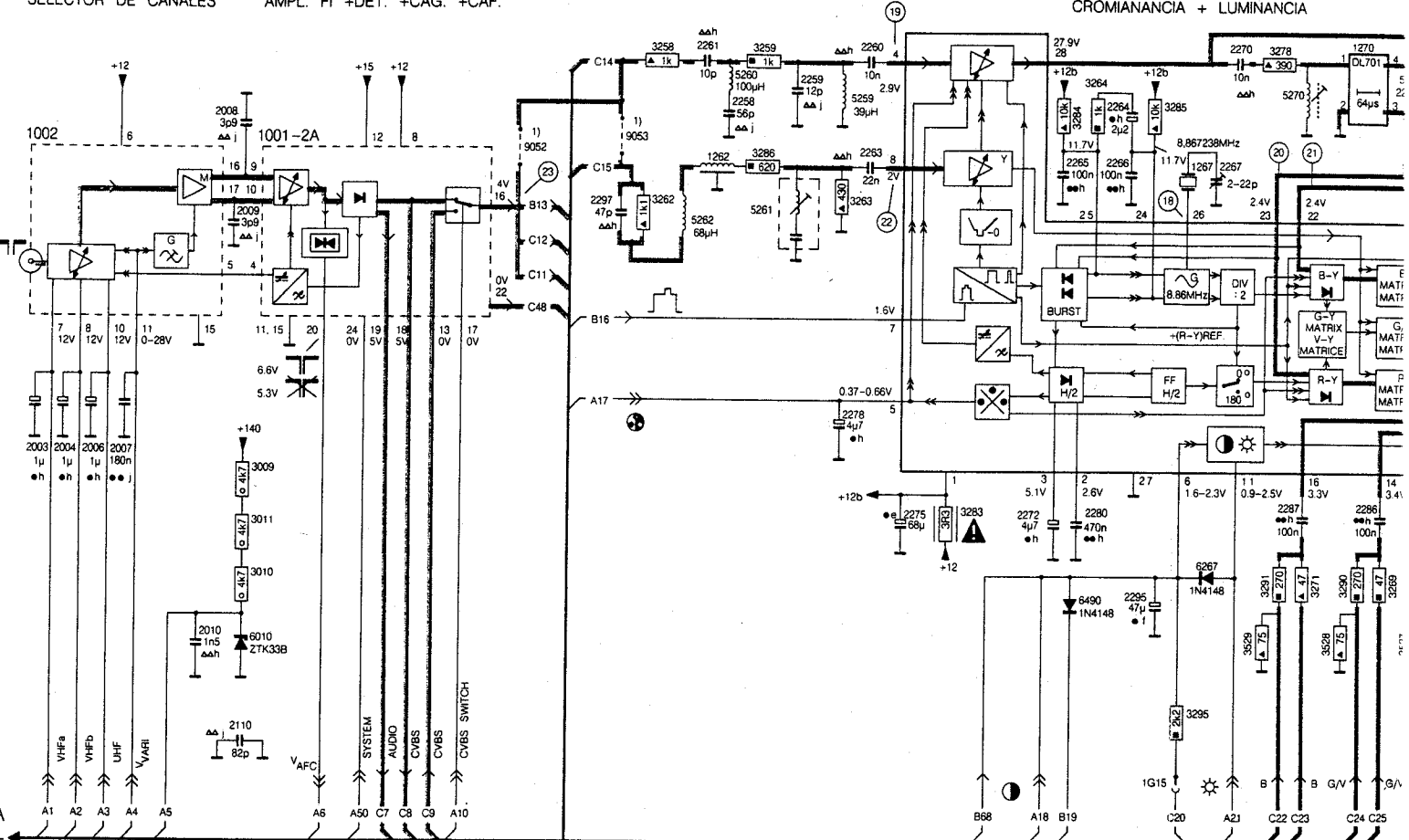
1	C 3	1270	B13	2101	120	2110	H 3	2124	K18	2266	C11	2286	F13	2401	B17	2411	E18	2525	L 5	3103	J14	3117	M15	3264	B10	3282	B14	3292	G15	3407	D16	3417	C17	3426
2	C 1	1990	D22	2102	121	2111	K21	2125	K17	2267	C12	2287	F12	2402	F17	2412	B18	2526	L14	3104	J15	3118	L15	3265	B10	3283	F 9	3293	G14	3409	H18	3418	G17	3427
3	A16	2003	E 1	2103	119	2112	K22	2258	B 7	2270	F10	2290	F15	2403	D17	2413	G18	2527	L 5	3106	L20	3121	K18	3267	F14	3284	B10	3294	H14	3410	H18	3419	E17	3428
4	L13	2004	E 1	2104	K14	2113	J21	2259	B 8	2272	F10	2291	F15	2404	H18	2503	K 3	3009	F 3	3107	K20	3122	K19	3269	F13	3285	B11	3295	H11	3411	H17	3420	B18	3430
5	110	2005	E 1	2105	K15	2114	K20	2260	B 8	2274	F14	2292	F14	2405	G17	2507	L 4	3010	F 3	3111	J21	3132	K21	3271	F12	3286	C 7	3402	C16	3412	G17	3421	G18	3432
6	114	2007	E 2	2106	K17	2115	J21	2261	B 7	2275	F 9	2295	G11	2406	A17	2520	K17	3011	F 3	3113	K21	3258	B 6	3278	B12	3287	J 8	3403	G17	3413	H16	3422	E18	3434
7	114	2008	B 3	2107	117	2116	K18	2263	C 8	2278	F 8	2296	F16	2407	F21	2521	K 5	3059	L 9	3114	K21	3259	B 7	3279	B14	3289	F13	3404	G17	3414	G16	3423	B18	3435
8	C 7	2009	C 3	2108	115	2118	K19	2264	B11	2290	F10	2297	C 8	2408	G20	2523	M16	3101	I19	3115	K21	3262	C 7	3280	B15	3290	F13	3405	E16	3415	G16	3424	G18	3436
9	C11	2010	G 2	2109	116	2123	L19	2265	C10	2285	F14	2298	C14	2409	H19	2524	M 5	3102	L21	3116	M14	3263	C 8	3281	B14	3291	F12	3406	E17	3416	H17	3425	E18	3437

DIAGRAM-SCHALTBIKD-SHEMA-DIAGRAMA C

CHANNEL SELECTOR
KANALWAELER
SELETTORE CANALE
SELECTOR DE CANALES

IF AMPL.+DET. +AGC. +AFC.
ZF VERST. +DEM. +AVR. +AFA.
AMPL. FI +RIVEL. CAG. +CAF.
AMPL. FI +DET. +CAG. +CAF.

CHROMINANCE + LUMINANCE
FARBART + LEUCHTDICHT
CROMINANZA + LUMINANZA
CROMIANANZA + LUMINANCIA



REMARKS-ANMERKUNGEN-NOTE

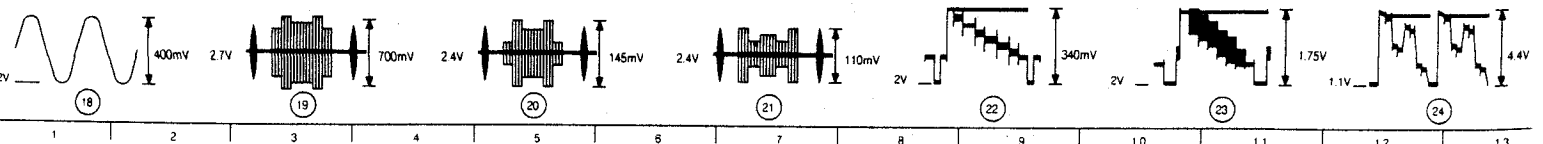
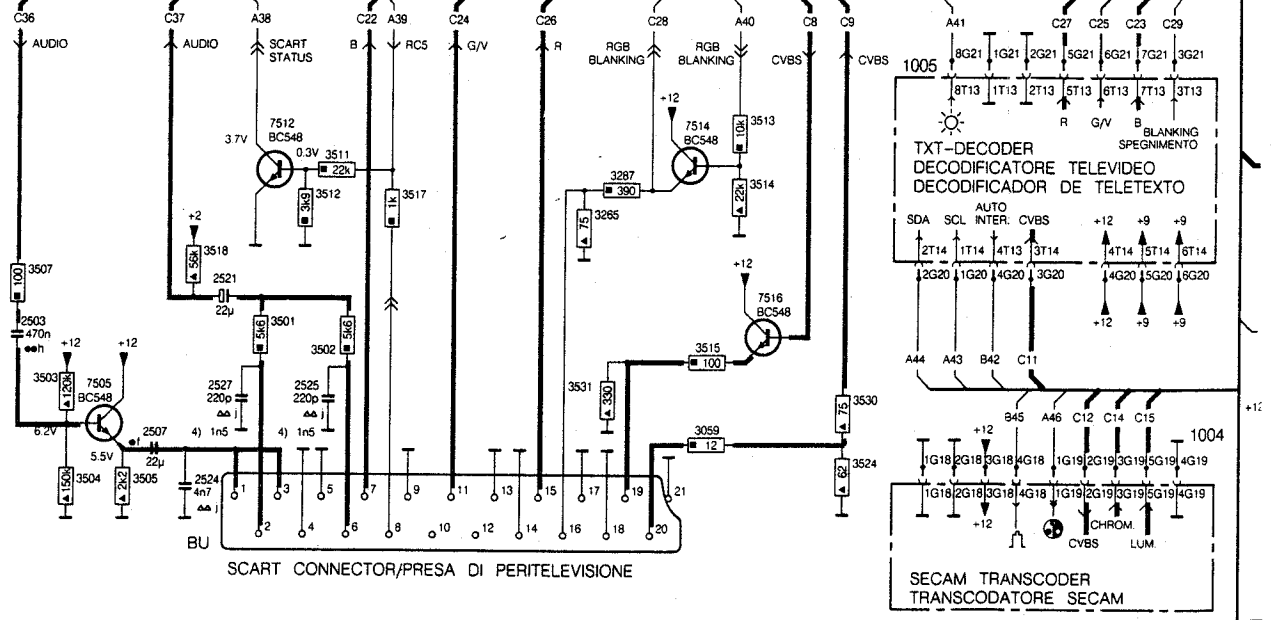
- NOT PRESENT FOR PAL/SECAM SETS
- NICHT PRESENT IN PAL/SECAM GERATEN
- ASSENTE SUI MODELLI CON PAL/SECAM

-FOR VERSION:

	BG 5.5MHz	I 6MHz	MULTI-FR 6.0MHz	P/S 6.5MHz
103	-	X	-	-
104	X	-	X	X
109	-	-	X	X
039	X	X	-	-

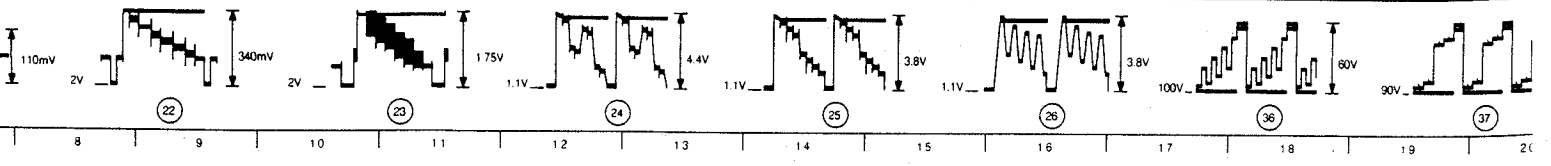
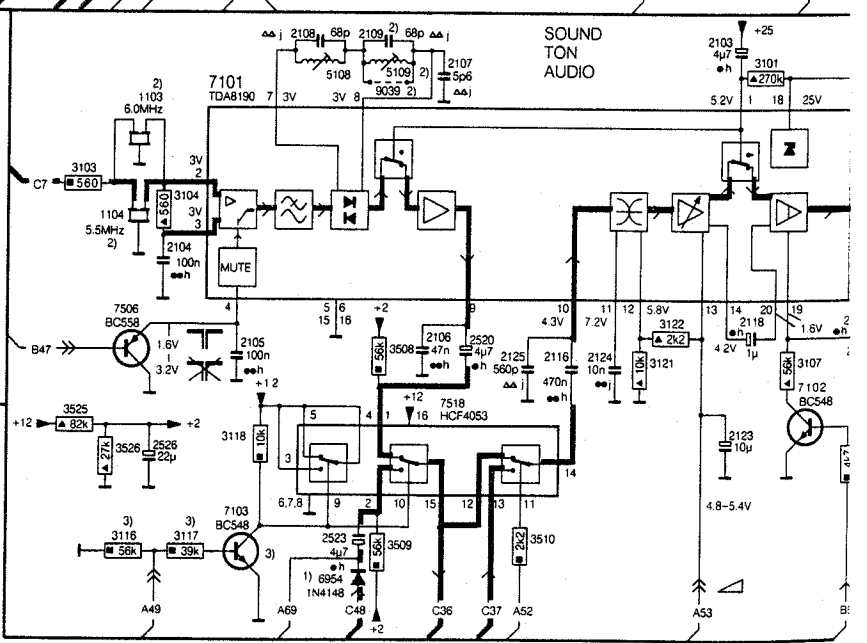
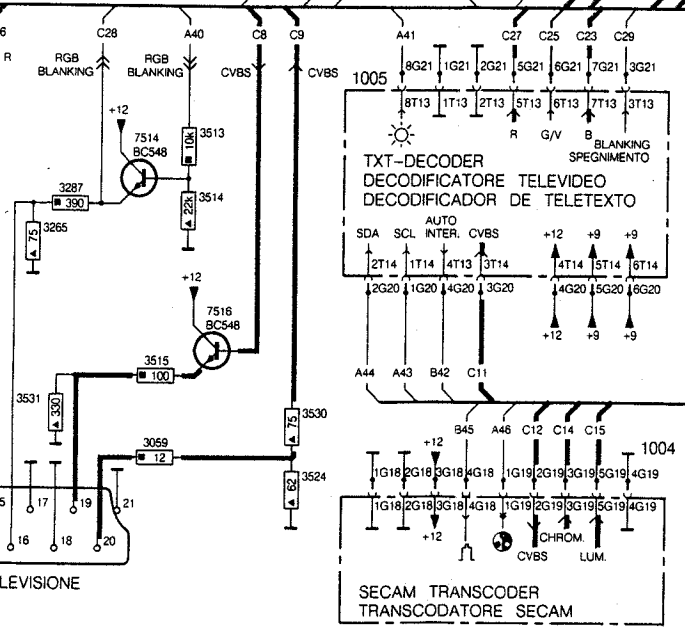
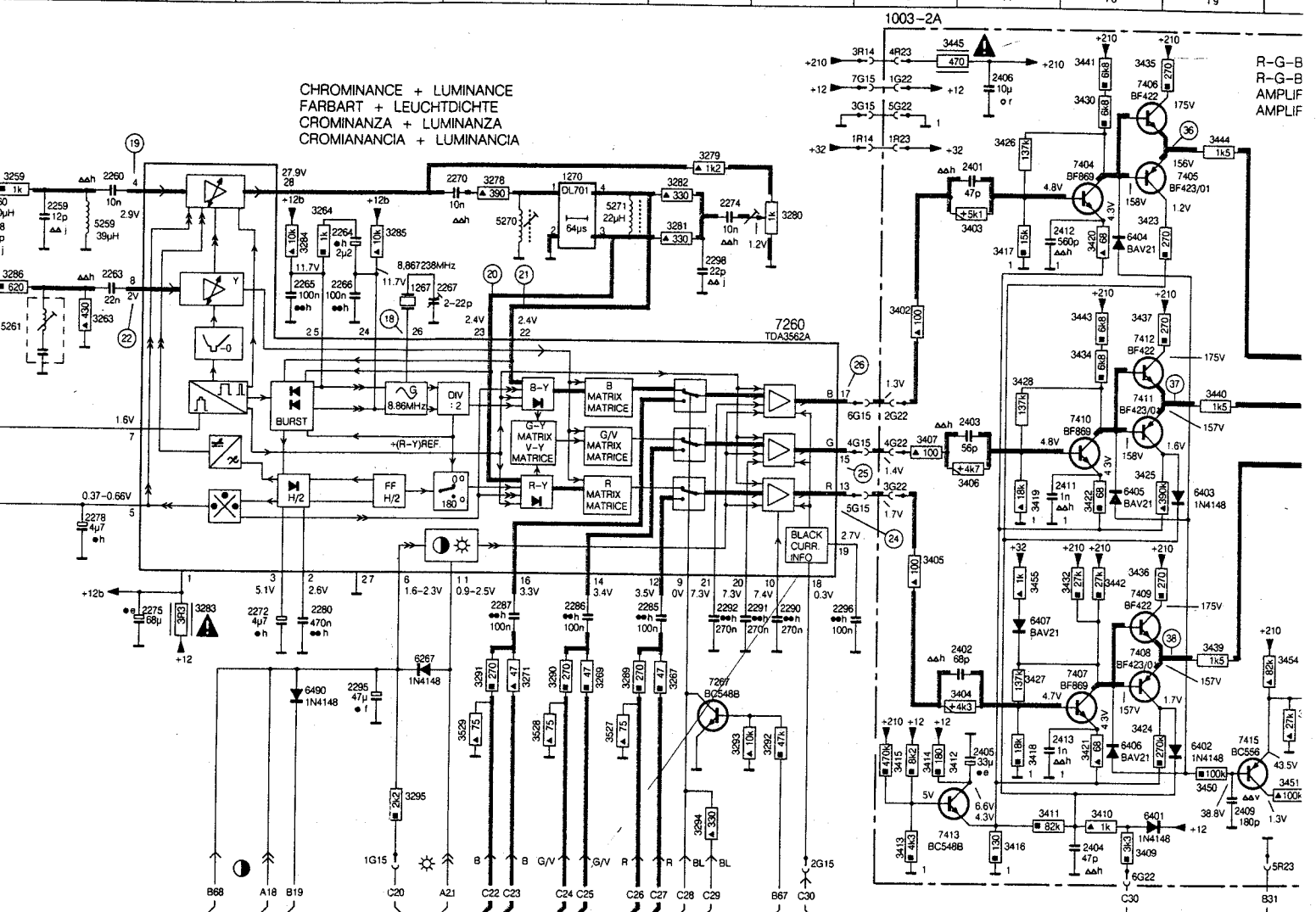
- PRESENT - - NOT PRESENT

-ONLY FOR MULTI SETS
-ONLY FOR AMTSBLATT VERSION

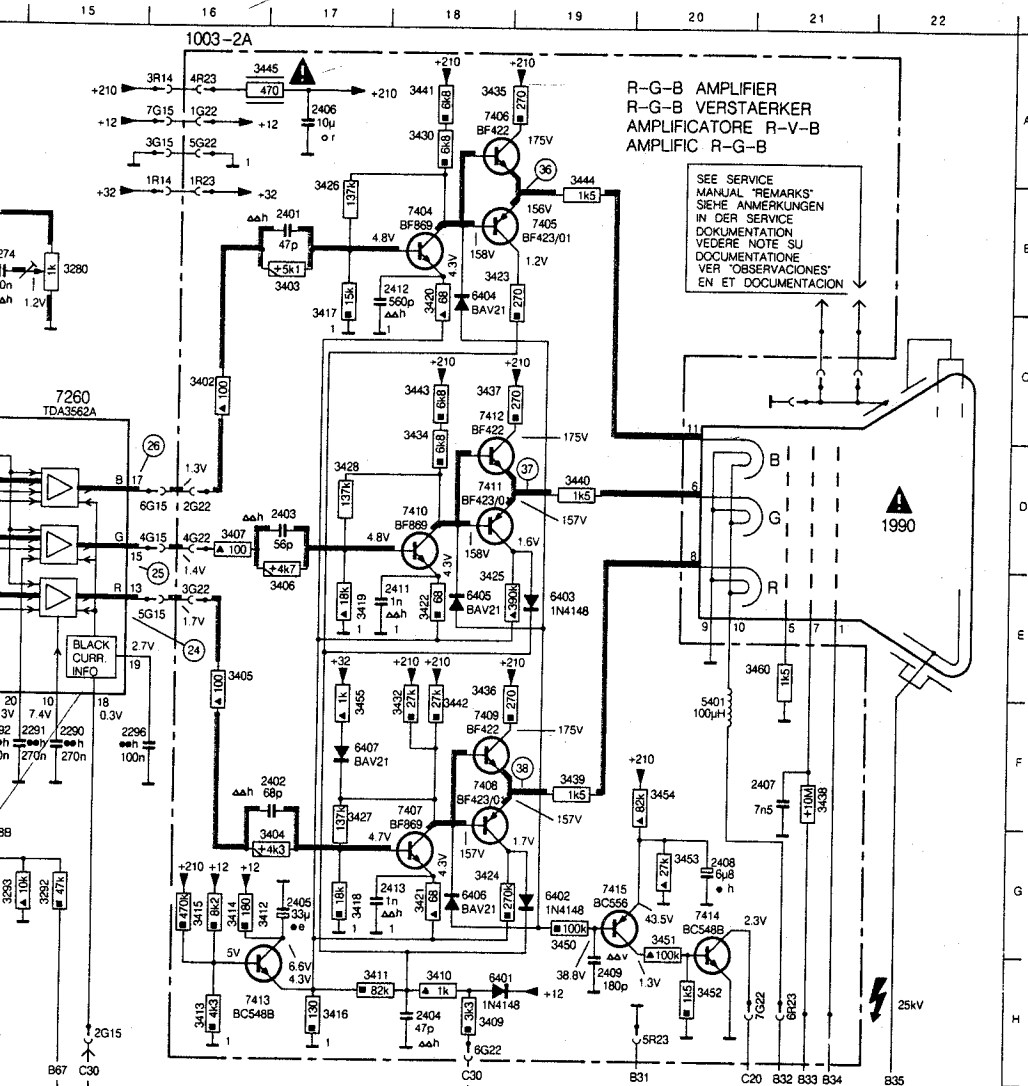


L 5	3103	J14	3117	M15	3264	B10	3282	B14	3292	G15	3407	D16	3417	C17	3426	B17	3438	F21	3451	G20	3504	M 4	3514	J 9	3529	G12	5270	B12	6404	B18	7260	C15	7411
L14	3104	J15	3118	L15	3265	J 8	3283	F 9	3293	G14	3409	H18	3418	G17	3427	F17	3439	F19	3452	H20	3505	M 4	3515	K 9	3530	L10	5271	B13	6405	E18	7267	F14	7412
F 3	3107	K20	3122	K18	3267	F14	3284	B10	3294	H14	3410	H18	3419	E17	3428	D17	3440	D19	3453	G20	3507	K 3	3517	J 6	3531	L 8	5401	F20	6406	G18	7404	B18	7413
F 3	3111	J21	3132	L21	3271	F12	3286	C 7	3402	C16	3412	G17	3421	E18	3430	A18	3441	A18	3454	F20	3508	K16	3518	K 5	5108	L16	5995	K22	6407	F17	7405	B19	7414
F 3	3113	K21	3258	B 6	3278	B12	3287	J 8	3403	B17	3413	H16	3422	E18	3434	C18	3443	C18	3460	E21	3510	M18	3525	L10	5109	L16	6010	G 3	6490	G10	7406	A18	7415
L 9	3114	K21	3259	B 7	3279	B14	3289	J13	3404	G17	3414	G16	3423	E18	3435	A18	3444	A19	3501	K 5	3511	J 6	3528	L14	5259	B 9	6408	H19	7101	L15	7408	F18	7505
L19	3115	K21	3262	C 8	3280	B15	3290	F13	3405	E16	3415	G16	3424	G18	3436	E18	3445	A19	3502	K 6	3512	J 6	3527	G13	5261	C 7	6402	G19	7102	L20	7409	F18	7512
L21	3116	M14	3263	C 8	3281	B14	3291	F12	3406	E17	3416	H17	3425	E18	3437	C18	3450	G19	3503	L 3	3513	J 9	3528	G12	5262	C 7	6403	E19	7103	M15	7410	D18	7514

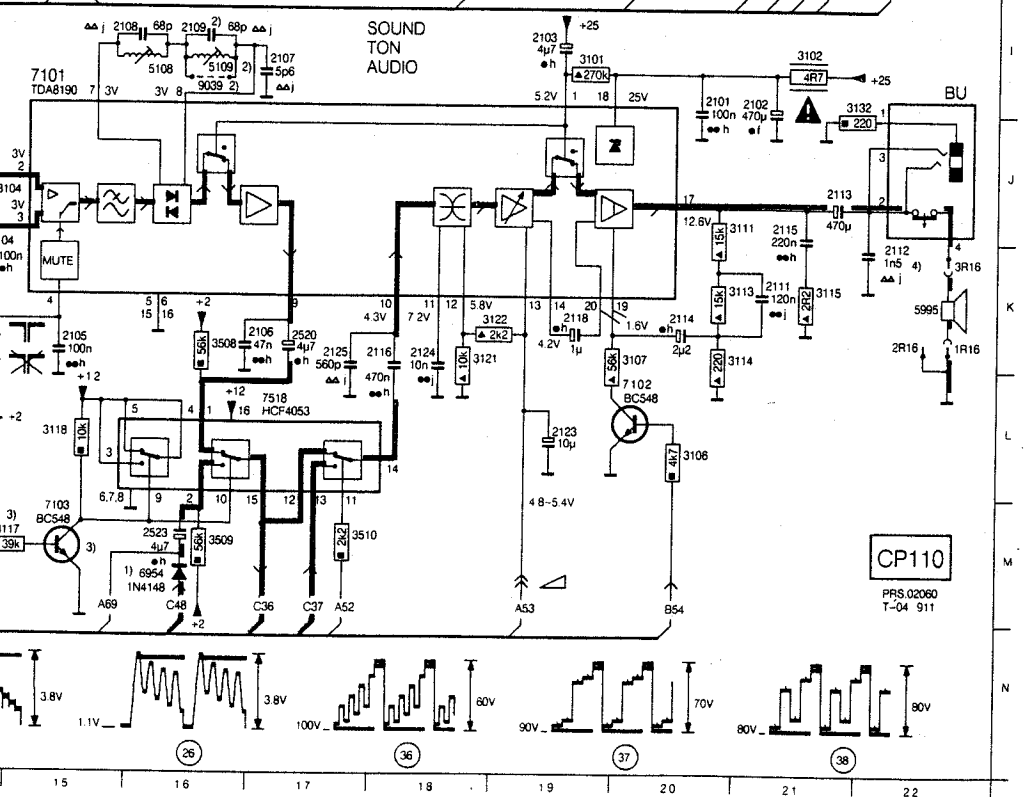
CHROMINANCE + LUMINANCE
 FARBAR + LEUCHTICHTE
 CROMINANZA + LUMINANZA
 CROMIANANCIA + LUMINANCIA



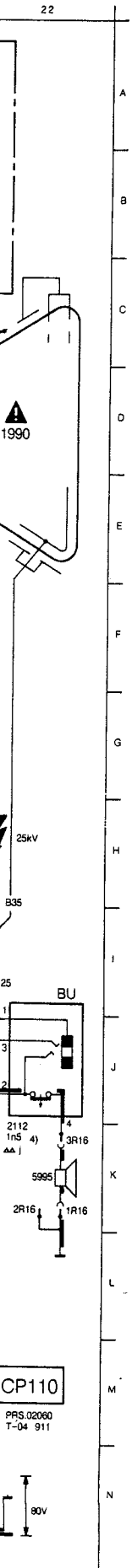
3451	G20	3504	M 4	3514	J 9	3529	G12	5270	B12	6404	B18	7260	C15	7411	D18	7516	K 9
3452	H20	3605	M 4	3515	K 9	3530	L10	5271	B13	6405	E18	7267	F14	7412	C18	7518	L17
3453	G20	3507	K 3	3517	J 6	3531	L 8	5401	F20	6406	G18	7404	B18	7413	H17	9052	C 5
3454	F20	3508	K16	3518	K 5	5108	L16	5995	K22	6407	F17	7405	B19	7414	G20	9053	C 5
3455	F17	3509	M16	3524	L10	5109	L16	6010	G 3	6490	G10	7406	A18	7415	G19	BU	M 5
3460	E21	3510	M18	3525	L14	5259	B 8	6267	F11	6954	M16	7407	F18	7505	L 4		
3501	K 5	3511	J 6	3526	L14	5260	B 8	7401	H19	7101	L15	7408	F18	7506	K14		
3502	K 6	3512	J 6	3527	G13	5261	B 8	7402	G19	7102	L20	7409	F18	7512	J 5		
3503	L 3	3513	J 9	3528	G12	5262	C 7	6403	E19	7103	M15	7410	D18	7514	J 9		



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



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



CARRIER PANEL



CNX62A	4822 130 80908	
HCF4053BE	4822 209 10576	
LA7910	4822 209 10892	
LN524RAP	4822 130 90388	
L7812CV	5322 209 86176	
TDA3562A/N5	4822 209 71751	
TDA8190	4822 209 70872	
TEA1039/N4	4822 209 83104	
TMP47C432AP	4822 209 72038	mask 8188
TMP47C432AP	4822 209 73665	mask 8189



5108	4822 157 53064	
5109	4822 157 53064	
5259	4822 157 52287	
5260	4822 157 53065	
5260	4822 157 52265	for amtsblatt
5261	4822 157 52807	
5262	4822 157 53093	
5270	4822 157 52808	
5271	4822 157 53252	
5300	4822 157 51462	



BC328	4822 130 44104	
BC337	4822 130 40855	
BC337-40	4822 130 41344	
BC368	5322 130 44647	
BC547C	4822 130 44503	
BC548	4822 130 40938	
BC548B	4822 130 40937	
BC548C	4822 130 44196	
BC558	4822 130 40941	
BD234	4822 130 40917	
BD437	4822 130 40982	
BD438	4822 130 40995	
BUT11AF	4822 130 42679	
BU508A	4822 130 60263	
PH2369	4822 130 41594	

5608	4822 157 53069	
5611	4822 150 50073	line output
5620	4822 140 10325	line driver
5629	4822 140 10324	
5630	4822 157	

5631	4822 157 53308	
5653	4822 157 53068	
5654	4822 148 60165	SOPS
5655	4822 157 51195	
5656	4822 157 51157	
5658	4822 157 51195	
5659	4822 157	
5660	4822 157 51195	
5661	4822 157 51195	
5662	4822 157 51195	
5663	4822 157 51195	
5665	4822 157 52223	
5666	4822 157	







BYD33D	4822 130 42488	
BYD33G	4822 130 42489	
BYD33J	4822 130 42606	
BYV95A	4822 130 41601	
BYV95B	4822 130 41486	
BY228/20	4822 130 81099	
BZX79-C3V9	4822 130 31981	
BZX79-C4V7	4822 130 34174	
BZX79-C5V6	4822 130 34173	
BZX79-C6V2	4822 130 80303	
CQS51-4	4822 130 80309	
ZTK33B	4822 130 30959	
1N4148-75	4822 130 33939	
1N5061	4822 130 31933	










3102	4822 111 30499	4.7 Ω	0.33W
3280	4822 100 20148	1 kΩ	potm.
3283	4822 111 30593	3.3 Ω	0.33W
3570	4822 116 51166	8.2 kΩ	2.5W
3571	4822 111 30821	3.9 Ω	0.5W
3576	4822 101 10818	100 Ω	potm.
3610	4822 116 30323	150 kΩ	NTC
3628	4822 111 30504	6.8 Ω	0.33W
3653	4822 116 40065		PTC
3656	4822 116 80288	100 kΩ	2W
3657	4822 116 81761	1.5 kΩ	7W
3660	4822 113 80429	0.1 Ω	2W
3667	5322 116 54272	1.5 kΩ	2.5W
3670	4822 100 10361	100 Ω	potm.
3672	4822 111 30483	1 Ω	0.33W
3875	4822 111 30593	3.3 Ω	0.33W
3909	4822 116 52204	1 kΩ	0,125 W
3944	4822 101 10819	50 kΩ	potm.

CARRIER PANEL



					
2113	4822 124 41334	470 μ F 35 V	10J	4822 290 60626	2P
2123	4822 124 40435	10 μ F 50 V	11B	4822 267 40653	2P
2267	4822 125 50045	20 pF trimm.	12G	4822 265 30273	3P
2521	4822 124 40434	22 μ F 35V	13R	4822 267 30546	6P
2526	4822 124 40434	22 μ F 35V	14R	4822 267 30546	6P
2571	4822 122 30099	3.3 nF 100V	15G	4822 265 40252	7P
2610	5322 121 44357	7.5 nF 2kV	16R	4822 267 40653	2P
2611	4822 121 40479	390 nF 250V	17	4822 264 50177	10P for coil cable
2612	4822 124 22417	470 nF 160V	18G	4822 266 30276	4P
2619	4822 121 41339	2.2 nF 2kV	19G	4822 265 40503	5P
2620	4822 121 40516	22 nF 250V	20G	4822 265 40469	6P
2621	4822 124 22257	22 μ F 250V	21G	4822 265 40471	8P
2638	4822 121 51252	470 nF 63V	<p>Various</p> <p>1000 4822 212 22746 IR receiver</p> <p>1001 4822 212 22739 SYNC/IF-B/G</p> <p>1001 4822 212 22771 SYNC/IF-I</p> <p>1001 4822 212 22769 SYNC/IF-Multi Fr</p> <p>1001 4822 212 22885 SYNC/IF-Multi Eur</p> <p>1001 4822 212 22886 SYNC/IF K-B/G</p> <p>1002 4822 210 40273 UV617</p> <p>1002 4822 210 40279 UV617/E</p> <p>1002 4822 210 10299 UV627</p> <p>1002 4822 210 50118 U743</p> <p>1030 4822 276 12422 mains-switch (SK1)</p> <p>1059 4822 212 22738 keyboard foil assy.</p> <p>1059 4822 276 80317 keyboard foil assy. multi</p> <p>1103 4822 242 71841 filter SFE6.0 MA</p> <p>1104 4822 242 70714 filter SFE5.5 MA</p> <p>1104 4822 242 72059 filter SFT6.5 MA</p> <p>1104 4822 242 71841 filter SFT6.0 MA</p> <p>1262 4822 157 51056 delay line DL330</p> <p>1267 4822 242 70626 crystal 8.867238 MHz</p> <p>1270 4822 320 40096 delay line DL701</p> <p>1566 4822 273 50296 switch 3P</p> <p>1901 4822 138 10229 battery 2.5V</p> <p>1934 4822 242 70831 filter 4 MHz</p> <p>4822 256 30274 fuse holder</p> <p>4822 462 10281 headphone socket</p> <p>4822 267 60243 scart socket</p> <p>4822 492 63733 slide spring fix.transistor</p> <p>4822 492 63731 spring fix. transistor</p>		
2652	4822 121 51424	330 nF 250V			
2656	4822 124 22172	150 μ F 385V			
2663	4822 121 41531	1000 pF 250V			
2668	4822 124 40724	1000 μ F 35V			
2670	4822 124 22257	22 μ F 250V			
2672	4822 124 40724	1000 μ F 35V			
2673	4822 124 40201	1000 μ F 16V			
2735	4822 124 40723	2200 μ F 16V			
2934	4822 122 32149	27 pF 100V			
2935	4822 122 32149	27 pF 100V			
					
1652	4822 253 30024	T1.6A			
1653	4822 253 10046	T1.6A			
1654	4822 253 10046	T1.6A			
					
10J	4822 265 40596	2P			
11B	4822 265 30389	2P			
12G	4822 265 30407	3P			
13R	4822 267 40722	6P			
14R	4822 267 40722	6P			
15G	4822 290 40295	7P			
16R	4822 267 40665	3P			
18G	4822 417 50217	4P			
19G	4822 267 40648	5P			
20G	4822 267 50591	6P			
21G	4822 264 50148	8P			

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





PICTURE TUBE PANEL

			
BC337	4822 130 40855		
BC548B	4822 130 40937		
BC556	4822 130 40989		
BC558	4822 130 40941		
BF422	4822 130 41782		
BF423/01	4822 130 60703		
BF819	4822 130 42159		
BF869	4822 130 41773		
			
BAV21	4822 130 30842		
BYD33G	4822 130 42489		
1N4148-75	4822 130 33939		
			
5401	4822 157 53941		
			
3403	5322 116 53741	5.1 kΩ	0.5 W
3426	4822 116 80327	137 kΩ	0.5 W
3427	4822 116 80327	137 kΩ	5 W
3428	4822 116 80327	137 kΩ	0.5 W
3439	4822 116 52399	1.5 kΩ	0.5 W
3440	4822 116 52399	1.5 kΩ	0.5 W
3444	4822 116 52399	1.5 kΩ	0.5 W
3445	5322 116 80275	470 Ω	0.5 W
3460	4822 111 50518	1.5 kΩ	0.5 W
3591	4822 100 10051	22 kΩ	potm.
3592	4822 100 10052	100 kΩ	potm.
3599	5322 116 80277	47 Ω	0.5W
			
2407	4822 122 33376	7,5 nF	1kV
			
22G	4822 290 40295	7P	
23R	4822 267 40722	6P	
			
22G	4822 265 40252	7P	
23R	4822 267 30546	6P	
	4822 255 70216	socket	PT

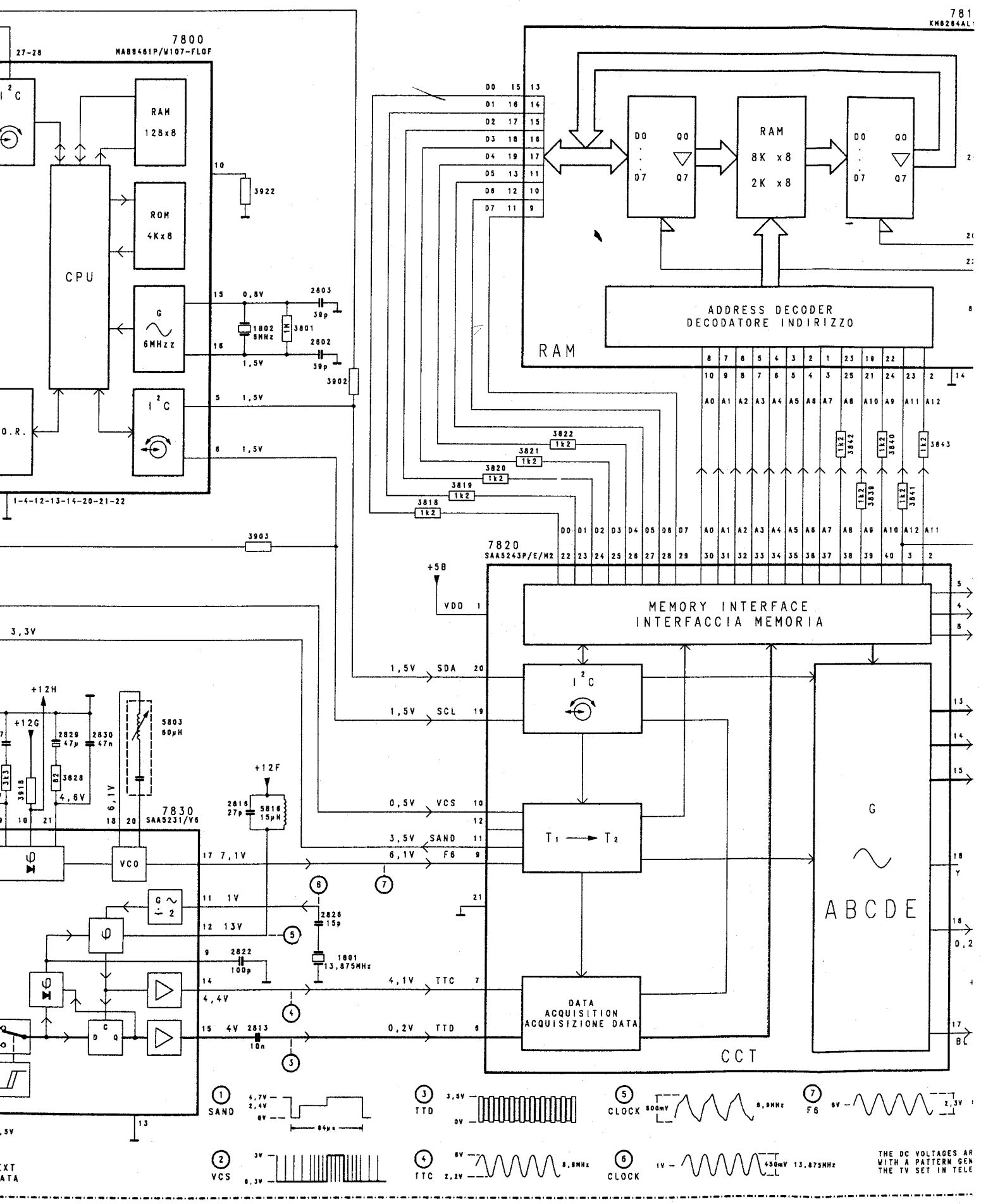
MUTE PANEL

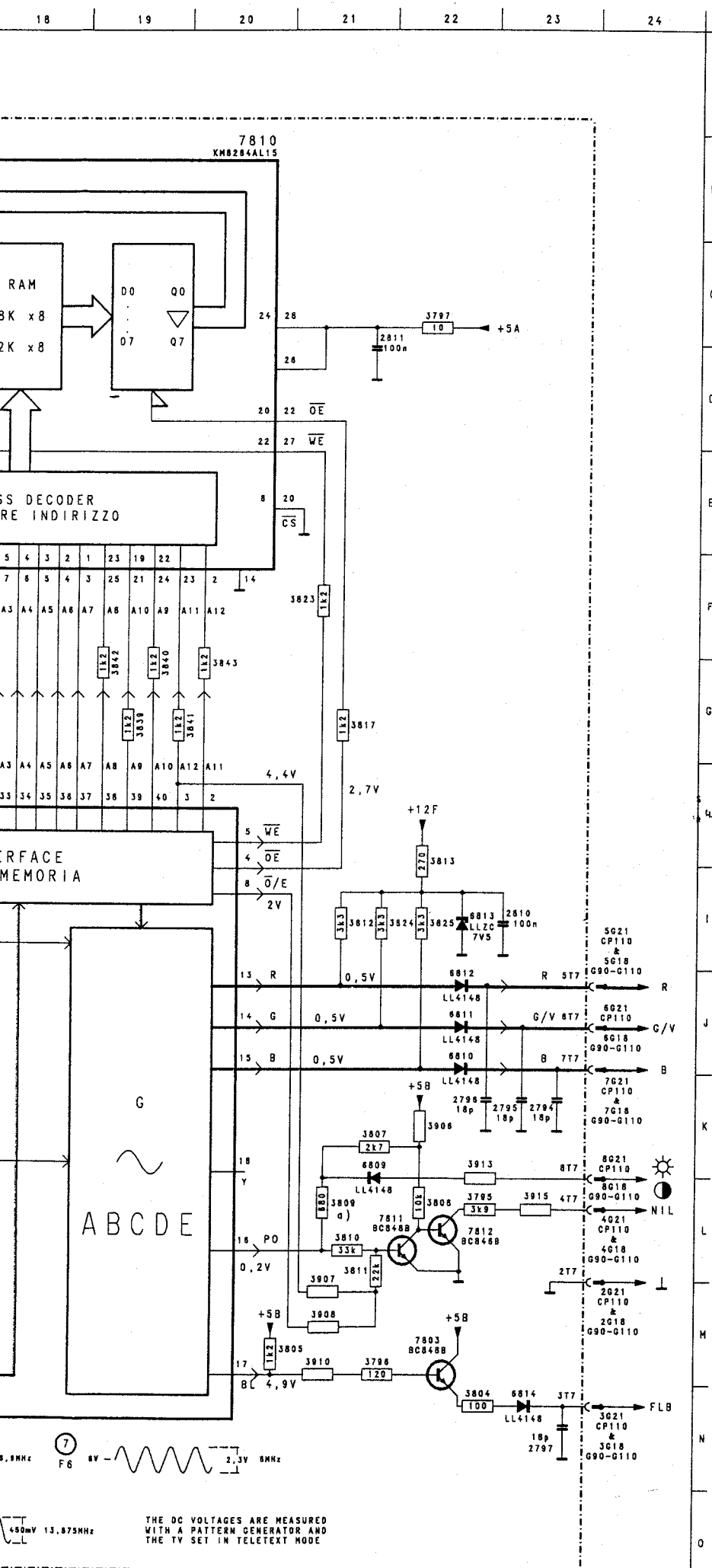
	
BC548B	4822 130 40937
BC558B	4822 130 44197
	
1N4148-30	4822 130 33941

OVERVOLTAGE PANEL

		
BT135	4822 130 20248	
		
BYV95A	4822 130 41601	
BZX79-B15	4822 130 34281	
BZX79-B13	4822 130 34195	
		
3000	4822 111 90178	220 Ω 0,125 W
		
2000	4822 121 41815	100 nF 100 V
2001	4822 122 31211	100 pF 500 V
2677	4822 122 10174	1,5 nF 50 V

TELETEXTE-DECODIFICADOR DE TELETEXTO-FLOF



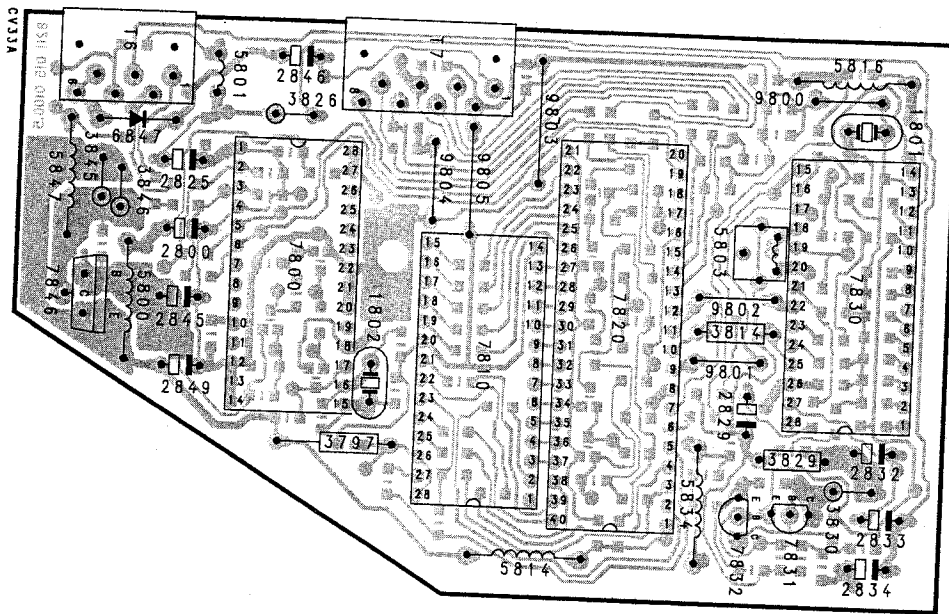


1801	13M	3904	7C
1802	12E	3905	6B
2793	4D	3906	22K
2797	23N	3907	21L
2798	3N	3908	21M
2799	4N	3910	21M
2800	5B	3913	22K
2801	6B	3914	7G
2802	12E	3915	23L
2803	12E	3917	7J
2804	7C	3918	9K
2805	7C	3919	2N
2810	23I	3920	6O
2811	21C	3921	5I
2812	6F	3922	12D
2813	12M	5800	5B
2814	5J	5801	3D
2815	7J	5803	10I
2816	12K	5814	6E
2817	7O	5816	12K
2818	7O	5834	3N
2819	7O	5847	4F
2820	8O	6809	21K
2821	8O	6810	22J
2822	12L	6811	22J
2823	8J	6812	22J
2824	5L	6813	22I
2825	4D	6814	23N
2826	13L	6847	3F
2827	9J	6848	5H
2828	9J	7800	11B
2829	10J	7801	7G
2830	10J	7802	6G
2832	5M	7803	22M
2833	5O	7810	20B
2834	2M	7811	22L
2836	4N	7812	22L
2845	4G	7820	14H
2846	3G	7830	11K
2849	5F	7831	4M
3795	22L	7832	3M
3796	21M	7846	5F
3797	22C	7849	5G
3798	6G		
3800	7F		
3801	12E		
3802	6C		
3803	6B		
3804	22N		
3805	21M		
3807	21K		
3808	22L		
3809	21L		
3810	21L		
3811	21L		
3812	21I		
3813	22H		
3814	6J		
3815	5M		
3816	8J		
3817	21G		
3818	14G		
3819	14G		
3820	15G		
3821	15G		
3822	15F		
3824	22I		
3825	22I		
3826	5D		
3827	9J		
3828	10J		
3829	4N		
3830	4M		
3831	4M		
3832	3N		
3833	3M		
3834	4N		
3835	3N		
3836	3M		
3837	3M		
3838	3N		
3839	19G		
3840	19G		
3841	20G		
3842	19G		
3843	20G		
3845	5E		
3846	5F		
3847	4G		
3848	4G		
3849	6G		
3900	2D		
3901	3F		
3902	13F		
3903	12H		

THE DC VOLTAGES ARE MEASURED WITH A PATTERN GENERATOR AND THE TV SET IN TELETEXT MODE

TO CHASSIS
CP110 20 G
G90-G110 17 G

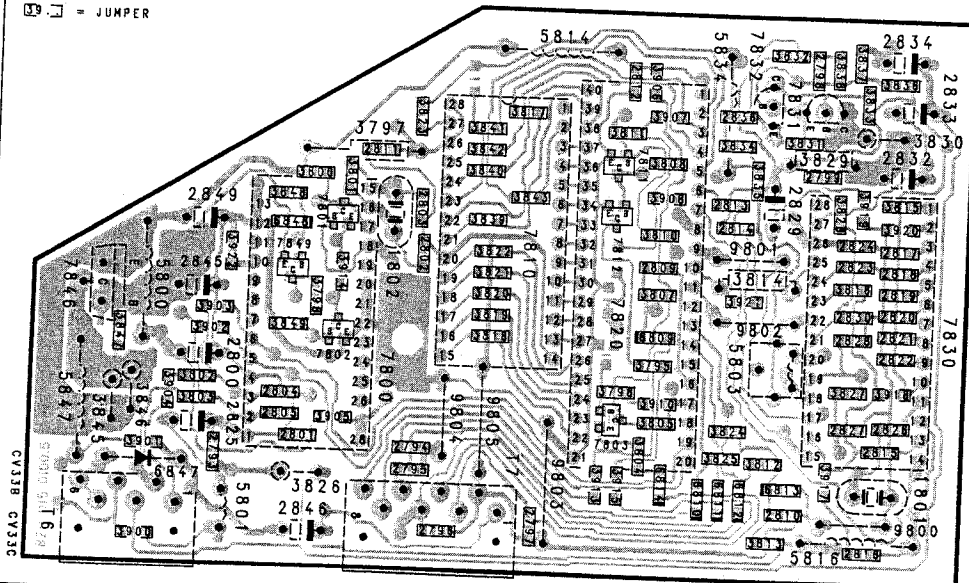
TO CHASSIS
CP110 21 G
G90-G110 18 G



1801 3A	2819 2A	3802 2D	3829 1A	3905 3D	6813 3B
1802 2D	2820 2A	3803 3D	3830 1A	3906 1B	6814 3B
2793 3D	2821 2A	3804 3B	3831 1B	3907 1B	6847 3E
2794 3C	2822 2A	3805 3B	3832 1B	3908 2B	6848 2D
2795 3C	2823 2A	3807 2B	3833 1A	3910 3B	7800 2D
2796 3C	2824 2A	3808 1B	3834 1B	3913 3B	7801 2D
2797 3C	2825 3D	3810 2B	3835 1B	3914 2D	7802 2D
2798 1A	2826 3A	3811 1B	3836 1A	3915 3B	7803 3B
2799 1A	2827 3A	3812 3B	3837 1A	3917 3A	7810 2C
2800 2D	2828 2A	3813 3B	3838 1A	3918 2A	7811 1B
2801 3D	2829 2B	3814 2B	3839 2C	3919 2A	7812 2B
2802 2C	2830 2A	3815 2A	3840 1C	3920 2A	7820 2B
2803 2C	2832 1A	3816 2A	3841 1C	3921 2B	7830 2A
2804 3D	2833 1A	3817 1C	3842 1C	3922 2D	7831 1B
2805 3D	2834 1A	3818 2C	3843 2C	5800 2E	7832 1B
2809 2B	2836 1B	3819 2C	3845 3E	5801 3D	7846 2E
2810 3B	2845 2D	3820 2C	3846 3E	5803 2B	7849 2D
2811 1D	2846 3D	3821 2C	3847 2E	5814 1C	9800 3A
2812 1B	2849 2D	3822 2C	3848 2D	5816 3A	9801 2B
2813 2B	3795 2B	3823 1C	3849 2D	5834 1B	9802 2B
2814 2B	3796 2B	3824 3B	3900 3E	5847 3E	9803 3C
2815 3A	3797 1D	3825 3B	3901 3E	6809 2B	9804 3C
2816 3A	3798 2D	3826 3D	3902 2D	6810 3B	9805 3C
2817 2A	3800 1D	3827 2A	3903 2D	6811 3B	
2818 2A	3801 1D	3828 2A	3904 3E	6812 3B	

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

⊞ = RESISTOR
⊞ = JUMPER



100

RE

M

21

22

Va

180

180

II

2796

2794

2795

2796

2797

2799

2800

2801

2802

2803

2804

2805

2810

2811

2812

2813

2814

2815

2816

2817

2818

2819

2820

2821

2822

2823

2824

2825

2826

2827

2828

2829

2830

2832 1)

2833 2)

2834 1)

2836 1)

2845

2846

2849



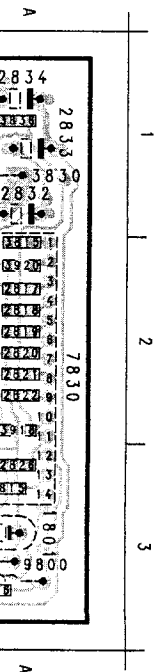
3795




3796

3797


3798




1005 TXT FLOF MODULE



REMARKS			1) only for NORDIC sets 2) not for NORDIC sets		
Mechanical parts					
21	4822 265 40469	6p female gold plated	3800	4822 111 90249	10k 2% 0.1
22	4822 265 40471	8p female gold plated	3801	5322 111 90094	1M 5% 0.12
Various parts			3802	5322 111 90091	100R 2% 0.
1801	4822 242 71417	crystal 13.875 MHz	3803	5322 111 90091	100R 2% 0.
1802	4822 242 71508	filter 6.0 MHz	3804	4822 111 90091	100R 2% 0.
			3805	5322 111 90096	1k2 2% 0.1
2793	4822 122 32542	47nF 10% 50V	3807	4822 111 90569	2k7 2% 0.1
2794	4822 122 31769	18pF 5% 50V	3808	4822 111 90249	10k 2% 0.1
2795	4822 122 31769	18pF 5% 50V	3809	4822 111 90162	680R 2% 0.
2796	4822 122 31769	18pF 5% 50V	3810	5322 111 90267	33k 2% 0.1
2797	4822 122 31769	18pF 5% 50V	3811	4822 111 90251	22k 2% 0.1
2799 1)	4822 122 33637	220pF 10% 50V	3812	4822 111 90157	3k3 2% 0.1
2800	4822 124 41584	100µF 20% 10V	3813	4822 111 90154	270R 2% 0.
2801	4822 122 33478	10nF 20%	3814	4822 116 52204	1k 5% 0.5W
2802	4822 122 31972	39pF 5% 50V	3815	4822 111 90151	1k5 2% 0.1
2803	4822 122 31972	39pF 5% 50V	3816	4822 111 90202	68k 2% 0.1
2804	4822 122 31766	120pF 5% 50V	3817	5322 111 90096	1k2 2% 0.1
2805	4822 122 31766	120pF 5% 50V	3818	5322 111 90096	1k2 2% 0.1
2810	4822 122 33496	100nF 10% 63V	3819	5322 111 90096	1k2 2% 0.1
2811	4822 122 33496	100nF 10% 63V	3820	5322 111 90096	1k2 2% 0.1
2812	4822 122 33496	100nF 10% 63V	3821	5322 111 90096	1k2 2% 0.1
2813	4822 122 33478	10nF 20%	3822	5322 111 90096	1k2 2% 0.1
2814	4822 122 31773	560pF 5% 50V	3823	5322 111 90096	1k2 2% 0.1
2815	4822 122 33496	100nF 10% 63V	3824	4822 111 90157	3k3 2% 0.1
2816	4822 122 31825	27pF 5% 50V	3825	4822 111 90157	3k3 2% 0.1
2817	4822 122 32504	15pF 5% 50V	3826	4822 111 30494	2R7 5% 0.3
2818	5322 122 31647	1nF 10% 50V	3827	4822 111 90157	3k3 2% 0.1
2819	4822 122 31727	470pF 5%	3828	4822 111 90124	82R 2% 0.1
2820	4822 122 31797	22nF 10% 63V	3829 1)	4822 116 52211	150R 5% 0.
2821	4822 122 32142	270pF 5% 63V	3830 1)	4822 116 52379	82R 5% 0.5
2822	4822 122 31765	100pF 5% 50V	3831 1)	4822 111 90162	680R 2% 0.
2823	4822 122 33637	220pF 10%	3832 1)	5322 111 90092	1k 2% 0.125
2824	4822 122 32891	68nF 20% 50V	3833 1)	5322 111 90092	1k 2% 0.125
2825	4822 124 41568	100µF 20% 16V	3834 1)	4822 111 90162	680R 2% 0.
2826	4822 122 32504	15pF 5% 50V	3835 1)	5322 111 90113	560R 2% 0.
2827	4822 122 32542	47nF 10% 50V	3836 1)	4822 111 90543	47k 2% 0.12
2828	4822 122 32542	47nF 10% 50V	3837 1)	5322 111 90092	1k 2% 0.125
2829	4822 124 41506	47µF 20% 16V	3838 1)	4822 111 90543	47k 2% 0.12
2830	4822 122 32542	47nF 10% 50V	3839	5322 111 90096	1k2 2% 0.12
2832 1)	4822 124 41585	2.2µF 20% 50V	3840	5322 111 90096	1k2 2% 0.12
2833 2)	4822 124 41585	2.2µF 20% 50V	3841	5322 111 90096	1k2 2% 0.12
2834 1)	4822 124 41626	10 µF 20% 16V	3842	5322 111 90096	1k2 2% 0.12
2836 1)	4822 122 31766	120pF 5% 50V	3843	5322 111 90096	1k2 2% 0.12
2845	4822 124 41584	100µF 20% 10V	3844	4822 111 30531	68R 5% 0.3
2846	4822 124 41554	220µF 20% 10V	3845	4822 111 30531	68R 5% 0.3
2849	4822 124 41586	15 µF 20% 16V	3846	4822 111 30531	68R 5% 0.3
			3847	4822 111 90124	82R 2% 0.1
3795	4822 111 90571	3k9 2% 0.125W	3848	5322 111 90242	180R 2% 0.
3796	4822 111 90339	120R 2% 0.125W	3849	5322 111 90092	1k 2% 0.125
3797	4822 116 52176	10R 5% 0.5W	3900	4822 111 90163	jumper
3798	4822 111 90339	120R 2% 0.125W	3901	4822 111 90163	jumper
			3904	4822 111 90163	jumper
			3905	4822 111 90163	jumper
			3906	4822 111 90163	jumper
			3908	4822 111 90163	jumper
			3910	4822 111 90163	jumper
			3913	4822 111 90163	jumper
			3914	4822 111 90163	jumper
			3915	4822 111 90163	jumper
			3917	4822 111 90163	jumper
			3918	4822 111 90163	jumper
			3919	4822 111 90163	jumper
			3921	4822 111 90163	jumper
			3922	4822 111 90163	jumper

1005 TXT FLOF MODULE

			
		3800	4822 111 90249 10k 2% 0.125W
		3801	5322 111 90094 1M 5% 0.125W
		3802	5322 111 90091 100R 2% 0.125W
		3803	5322 111 90091 100R 2% 0.125W
		3804	4822 111 90091 100R 2% 0.125W
		3805	5322 111 90096 1k2 2% 0.125W
		3807	4822 111 90569 2k7 2% 0.125W
		3808	4822 111 90249 10k 2% 0.125W
		3809	4822 111 90162 680R 2% 0.125W
		3810	5322 111 90267 33k 2% 0.125W
		3811	4822 111 90251 22k 2% 0.125W
		3812	4822 111 90157 3k3 2% 0.125W
		3813	4822 111 90154 270R 2% 0.125W
		3814	4822 116 52204 1k 5% 0.5W
		3815	4822 111 90151 1k5 2% 0.125W
		3816	4822 111 90202 68k 2% 0.125W
		3817	5322 111 90096 1k2 2% 0.125W
		3818	5322 111 90096 1k2 2% 0.125W
		3819	5322 111 90096 1k2 2% 0.125W
		3820	5322 111 90096 1k2 2% 0.125W
		3821	5322 111 90096 1k2 2% 0.125W
		3822	5322 111 90096 1k2 2% 0.125W
		3823	5322 111 90096 1k2 2% 0.125W
		3824	4822 111 90157 3k3 2% 0.125W
		3825	4822 111 90157 3k3 2% 0.125W
		3826	4822 111 30494 2R7 5% 0.33W
		3827	4822 111 90157 3k3 2% 0.125W
		3828	4822 111 90124 82R 2% 0.125W
		3829 1)	4822 116 52211 150R 5% 0.5W
		3830 1)	4822 116 52379 82R 5% 0.5W
		3831 1)	4822 111 90162 680R 2% 0.125W
		3832 1)	5322 111 90092 1k 2% 0.125W
		3833 1)	5322 111 90092 1k 2% 0.125W
		3834 1)	4822 111 90162 680R 2% 0.125W
		3835 1)	5322 111 90113 560R 2% 0.125W
		3836 1)	4822 111 90543 47k 2% 0.125W
		3837 1)	5322 111 90092 1k 2% 0.125W
		3838 1)	4822 111 90543 47k 2% 0.125W
		3839	5322 111 90096 1k2 2% 0.125W
		3840	5322 111 90096 1k2 2% 0.125W
		3841	5322 111 90096 1k2 2% 0.125W
		3842	5322 111 90096 1k2 2% 0.125W
		3843	5322 111 90096 1k2 2% 0.125W
		3845	4822 111 30531 68R 5% 0.33W
		3846	4822 111 30531 68R 5% 0.33W
		3847	4822 111 90124 82R 2% 0.125W
		3848	5322 111 90242 180R 2% 0.125W
		3849	5322 111 90092 1k 2% 0.125W
		3900	4822 111 90163 jumper
		3901	4822 111 90163 jumper
		3904	4822 111 90163 jumper
		3905	4822 111 90163 jumper
		3906	4822 111 90163 jumper
		3908	4822 111 90163 jumper
		3910	4822 111 90163 jumper
		3913	4822 111 90163 jumper
		3914	4822 111 90163 jumper
		3915	4822 111 90163 jumper
		3917	4822 111 90163 jumper
		3918	4822 111 90163 jumper
		3919	4822 111 90163 jumper
		3921	4822 111 90163 jumper
		3922	4822 111 90163 jumper

			
		5800	4822 156 20966 47µH 10%
		5801	4822 157 53252 22µH 5%
		5803	4822 157 52825 60µH
		5814	4822 157 53608 10µH 10%
		5816	4822 157 52224 15µH 10%
		5834 1)	4822 157 53001 27µH 10%
		5847	4822 157 51157 3.3µH 10%
			
		6809	4822 130 80446 LL4148
		6810	4822 130 80446 LL4148
		6811	4822 130 80446 LL4148
		6812	4822 130 80446 LL4148
		6813	4822 130 80906 LLZ-C7V5
		6814	4822 130 80446 LL4148
		6847	4822 130 42489 BYD33G
		6848	4822 130 80905 LLZ-F5V1
			
		7800	4822 209 72355 MAB8461P/W107
		7801	4822 130 61207 BC848
		7802	4822 130 61207 BC848
		7803	5322 130 41982 BC848B
		7810	4822 209 73584 KM6264AL-15
		7811	5322 130 41982 BC848B
		7812	5322 130 60159 BC846B
		7820	4822 209 73879 SAA5243P/E/M2
		7830	4822 209 72972 SAA5231/V6
		7831 1)	4822 130 40962 BC558A
		7832 1)	4822 130 40937 BC548B
		7846	5322 130 44921 BD943
		7849	5322 130 42012 BC858

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

Service Information

1989-04-13

CHASSIS CP 110

CT89-02

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

GB

In the course of production, the carrier panel and the picture tube panel have been modified. These modified panels have been applied in sets whose serial numbers start with QGII, AGII or higher.

Also in sets with serial numbers starting with QG09, AG09, the FLOF teletext has been introduced together with a mask change of the microprocessor:

TMP47C432 – 8188 for TXT CEEFAX
TMP47C432 – 8189 for TXT FLOF

So this means that, depending on the microprocessor, either a TXT CEEFAX or a TXT FLOF can be built into a non-teletext set.

This service information gives the modified and new circuit diagrams, the print layouts of the modified and the new printed boards and the parts lists.

F

En cours de production, la platine porteuse et celle du tube image ont été modifiées. Ces platines sont montées dans des appareils dont le n° de série commence par QGII, AGII et suivants.

Dans les appareils dont le n° de série commence par QG09, AG09 et suivants il y a également eu l'introduction du télétexte FLOF. Ceci a été de pair avec un changement du masque du microprocesseur.
A savoir:

TMP47C432 – 8188 pour le TXT CEEFAX
TMP47C432 – 8189 pour le TXT FLOF

Ceci signifie donc que dans des appareils ne présentant pas de télétexte, il y a moyen de monter soit un TXT CEEFAX, soit un TXT FLOF, ceci indépendamment de la version du microprocesseur.

Cette Info Service comporte les nouveaux schémas de principe modifiés, les dessins de platines des platines nouvelle et ancienne version et, la liste de pièces.

NL

Tijdens productie zijn het dragerpaneel en het beeldbuispaneel gewijzigd. Deze gewijzigde panelen zijn toegepast in apparaten waarvan het serienummer begint met QGII, AGII of hoger.

Tevens is in apparaten waarvan het serienummer begint met QG09, AG09 of hoger de FLOF teletekst ingevoerd. Dit is samen gegaan met een masker wijziging van de microprocessor:

TMP47C432 – 8188 voor TXT CEEFAX
TMP47C432 – 8189 voor TXT FLOF

Dit betekent dus dat in niet teletekst apparaten afhankelijk van de microprocessor versie een TXT CEEFAX of een TXT FLOF ingebouwd kan worden.

In deze service informatie worden de gewijzigde en nieuwe principe schema's, de print lay-outs van de gewijzigde en nieuwe panelen en de stuklijst gegeven.

D

Während der Produktion wurden die Trägerplatte und die Bildröhreplatte geändert. Diese geänderten Platten sind in Geräten, deren Seriennummer mit QGII, AGII oder höher anfängt, angewandt.

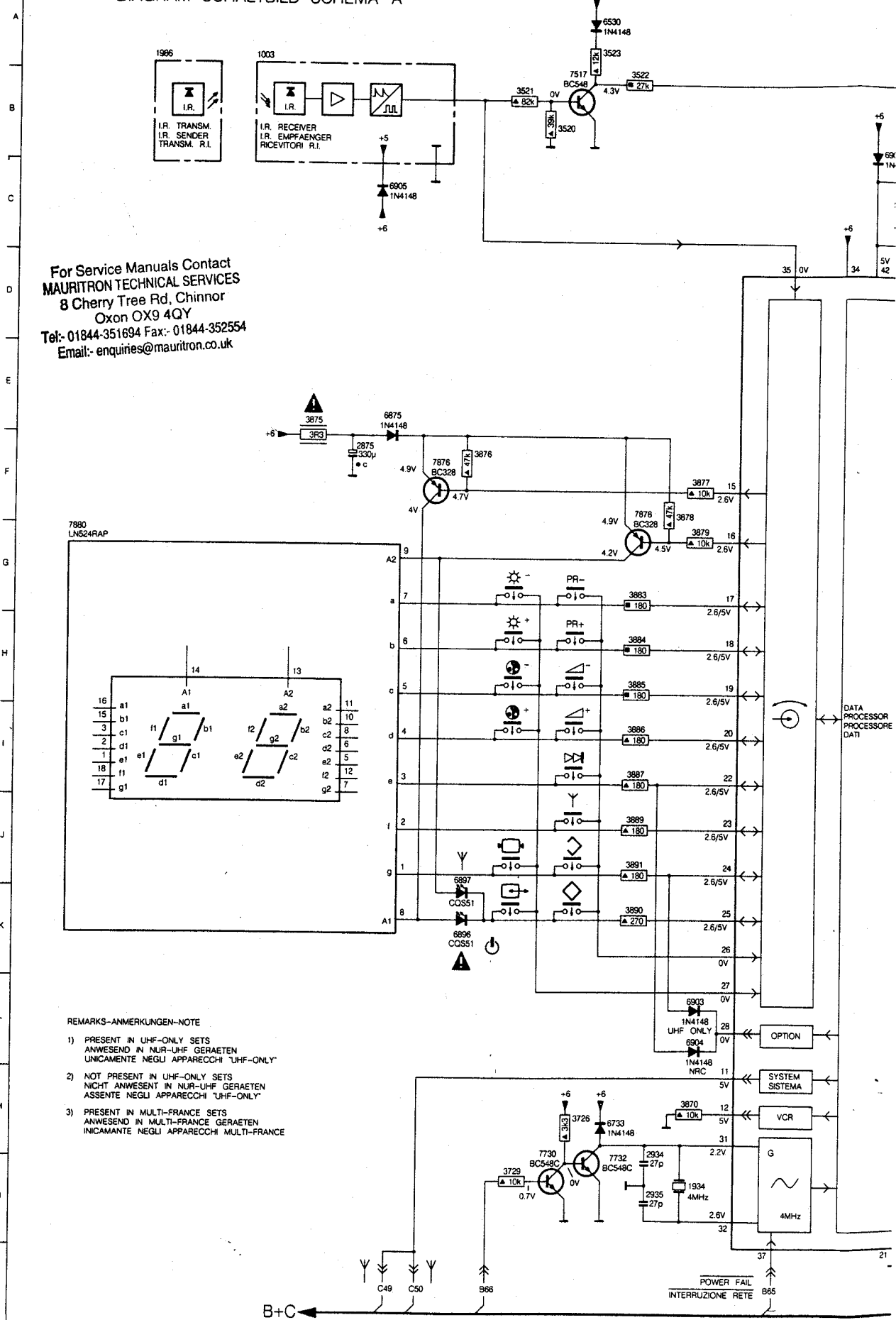
Gleichzeitig wurde in Geräten, deren Seriennummer mit QG09, AG09 oder höher anfängt, der FLOF-Videotext eingeführt. Dies war verbunden mit einer Maskenänderung des Mikroprozessors.
Nämlich:

TMP47C432 – 8188 für TXT CEEFAX
TMP47C432 – 8189 für TXT FLOF

Das bedeutet also, dass in Nicht-Videotext-Geräte je nach Mikroprozessor-Ausführung ein TXT CEEFAX oder ein TXT FLOF eingebaut werden kann.

In dieser Service-Information sind die geänderten und neuen Prinzipschaltbilder, die Printplattenauslegungen der geänderten und neuen Platten und die Stückliste enthalten.

DIAGRAM-SCHALTBILD-SCHEMA A

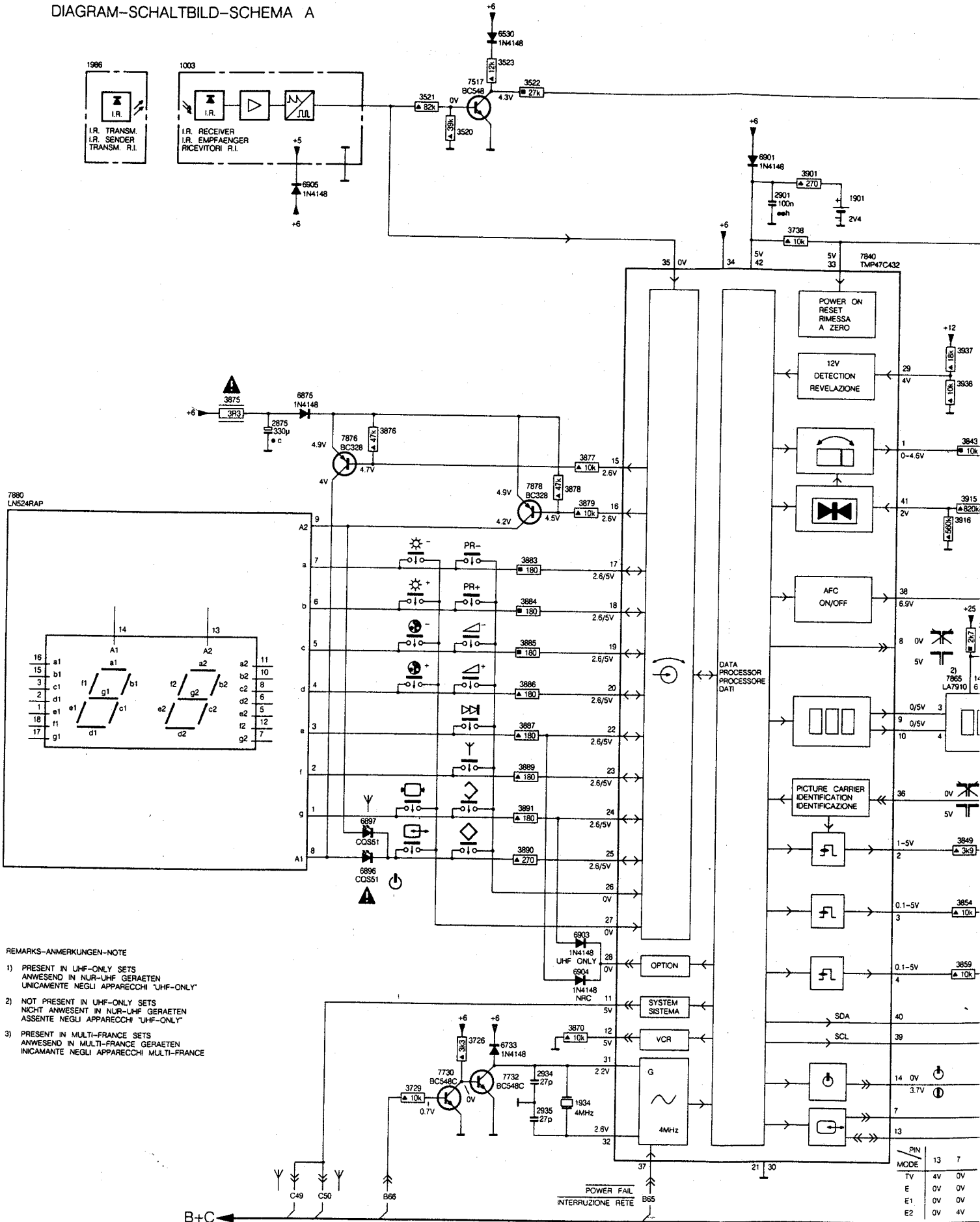


For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
 8 Cherry Tree Rd, Chinnor
 Oxon OX9 4QY
 Tel:- 01844-351694 Fax:- 01844-352554
 Email:- enquiries@mauritron.co.uk

- REMARKS-ANMERKUNGEN-NOTE
- 1) PRESENT IN UHF-ONLY SETS
 ANWESEND IN NUR-UHF GERÄTEN
 UNICAMENTE NEGLI APPARECCHI "UHF-ONLY"
 - 2) NOT PRESENT IN UHF-ONLY SETS
 NICHT ANWESENT IN NUR-UHF GERÄTEN
 ASSENTE NEGLI APPARECCHI "UHF-ONLY"
 - 3) PRESENT IN MULTI-FRANCE SETS
 ANWESEND IN MULTI-FRANCE GERÄTEN
 INICAMANTE NEGLI APPARECCHI MULTI-FRANCE

POWER FAIL
 INTERRUZIONE RETE

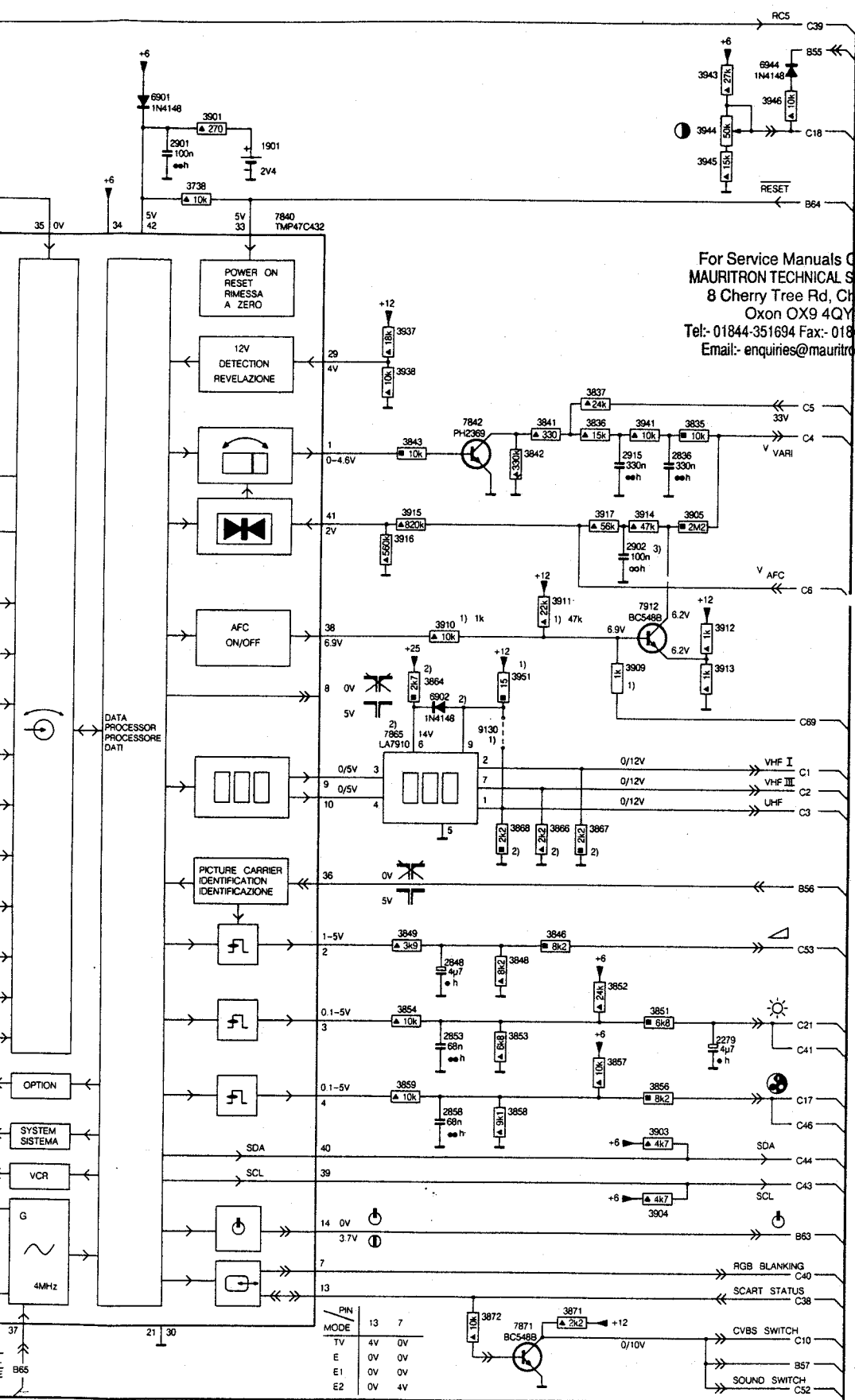
DIAGRAM-SCHALTBILD-SCHEMA A



- REMARKS-ANMERKUNGEN-NOTE
- 1) PRESENT IN UHF-ONLY SETS
ANWESEND IN NUR-UHF GERÄTEN
UNICAMENTE NEGLI APPARECCHI "UHF-ONLY"
 - 2) NOT PRESENT IN UHF-ONLY SETS
NICHT ANWESENT IN NUR-UHF GERÄTEN
ASSENTE NEGLI APPARECCHI "UHF-ONLY"
 - 3) PRESENT IN MULTI-FRANCE SETS
ANWESEND IN MULTI-FRANCE GERÄTEN
INICAMANTE NEGLI APPARECCHI MULTI-FRANCE

PIN	MODE	13	7
TV	4V	0V	
E	0V	0V	
E1	0V	0V	
E2	0V	4V	

VST2 SYSTEM
SISTEMA VST2



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

PIN	MODE	13	7
TV	4V	0V	0V
E	0V	0V	0V
E1	0V	0V	0V
E2	0V	4V	0V

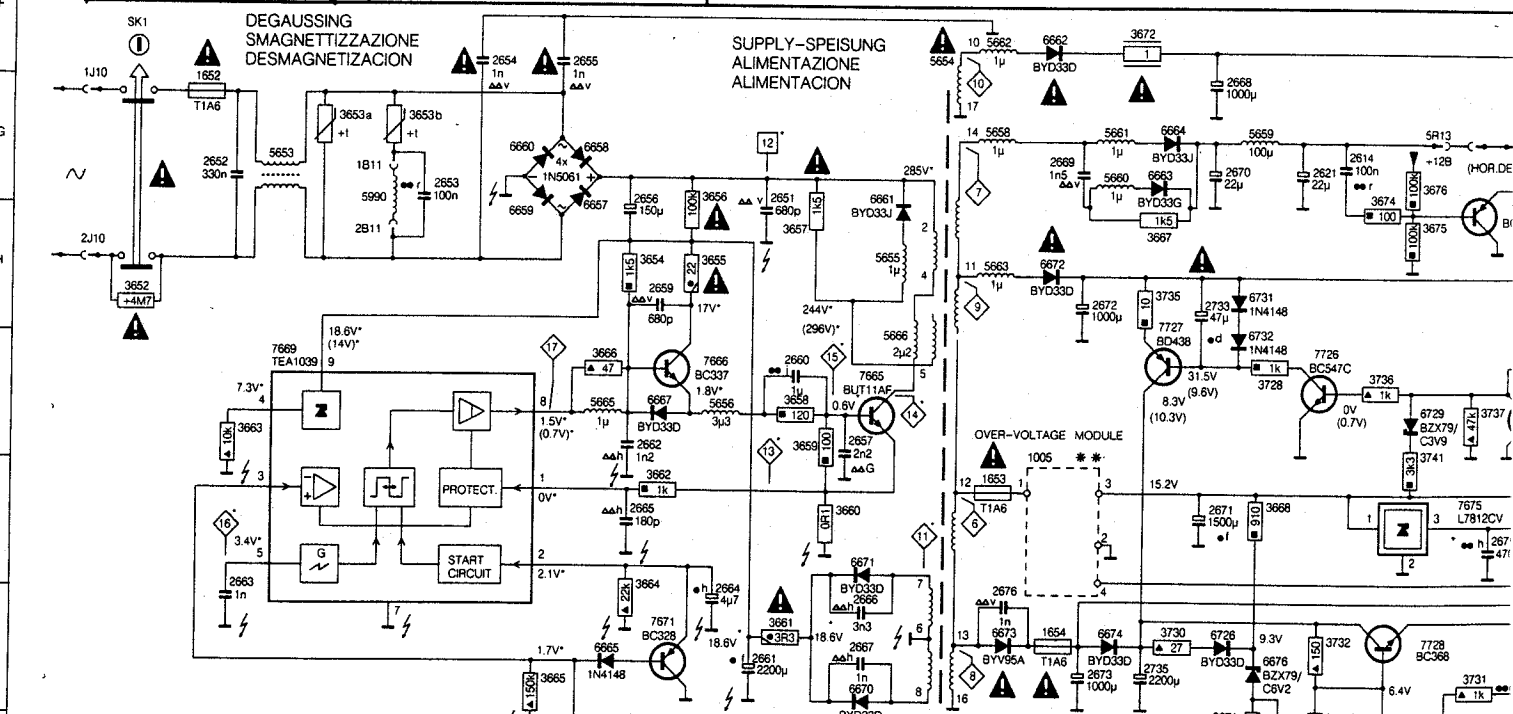
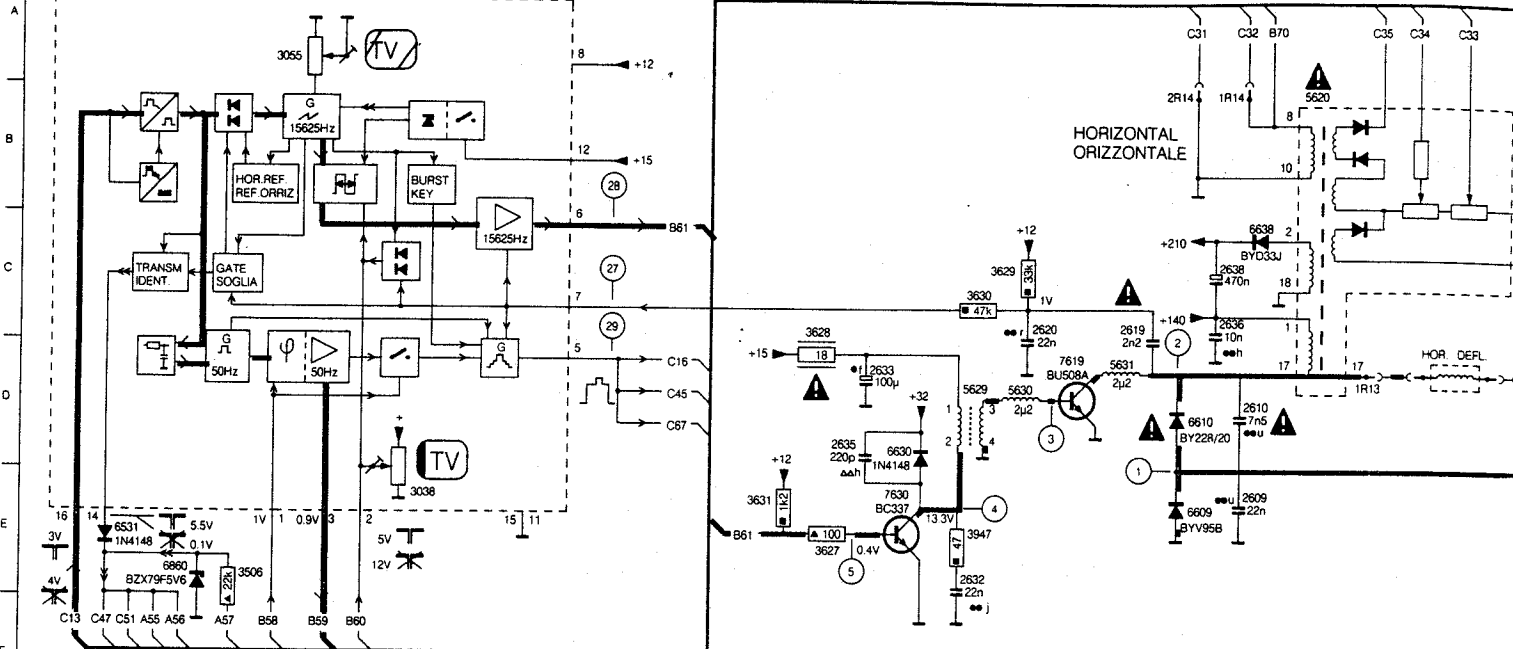
CP110

PRS.02082
T-02 903

- 1003 A 3
- 1901 C 11
- 1934 N 8
- 1986 A 2
- 2279 L 16
- 2636 F 15
- 2848 K 13
- 2853 L 13
- 2858 L 13
- 2875 F 4
- 2901 C 10
- 2902 G 15
- 2915 F 15
- 2934 M 8
- 2935 N 8
- 3520 B 6
- 3521 B 6
- 3522 B 7
- 3523 A 7
- 3726 M 7
- 3729 N 6
- 3738 C 11
- 3835 F 16
- 3836 F 15
- 3837 E 15
- 3841 F 14
- 3842 F 14
- 3843 F 13
- 3846 K 14
- 3848 K 14
- 3849 K 13
- 3851 K 15
- 3852 K 15
- 3853 L 14
- 3854 K 13
- 3856 L 15
- 3857 L 15
- 3858 L 14
- 3859 L 13
- 3864 H 13
- 3866 J 14
- 3867 J 15
- 3868 J 14
- 3870 M 8
- 3871 N 14
- 3872 N 14
- 3875 F 4
- 3876 F 8
- 3877 F 8
- 3878 F 8
- 3879 G 8
- 3883 G 7
- 3884 H 7
- 3885 H 7
- 3886 I 7
- 3887 I 7
- 3889 J 7
- 3890 K 7
- 3891 J 7
- 3901 C 11
- 3903 M 15
- 3904 M 15
- 3905 F 16
- 3909 H 15
- 3910 H 13
- 3911 G 14
- 3912 H 16
- 3913 H 16
- 3914 F 15
- 3915 F 13
- 3916 G 13
- 3917 F 15
- 3937 E 13
- 3938 E 13
- 3941 F 15
- 3943 B 18
- 3944 C 16
- 3945 C 16
- 3946 B 18
- 3948 C 16
- 3949 B 18
- 3951 H 14
- 6530 A 7
- 6733 M 7
- 6875 E 5
- 6896 K 5
- 6897 J 5
- 6901 B 10
- 6902 H 13
- 6903 L 8
- 6904 L 8
- 6905 C 5
- 6944 B 16
- 7517 B 7
- 7730 M 6
- 7732 M 7
- 7840 D 11
- 7842 F 13
- 7865 I 13
- 7871 N 14
- 7876 F 5
- 7878 F 7
- 7880 G 1
- 7912 G 15
- 9130 I 14

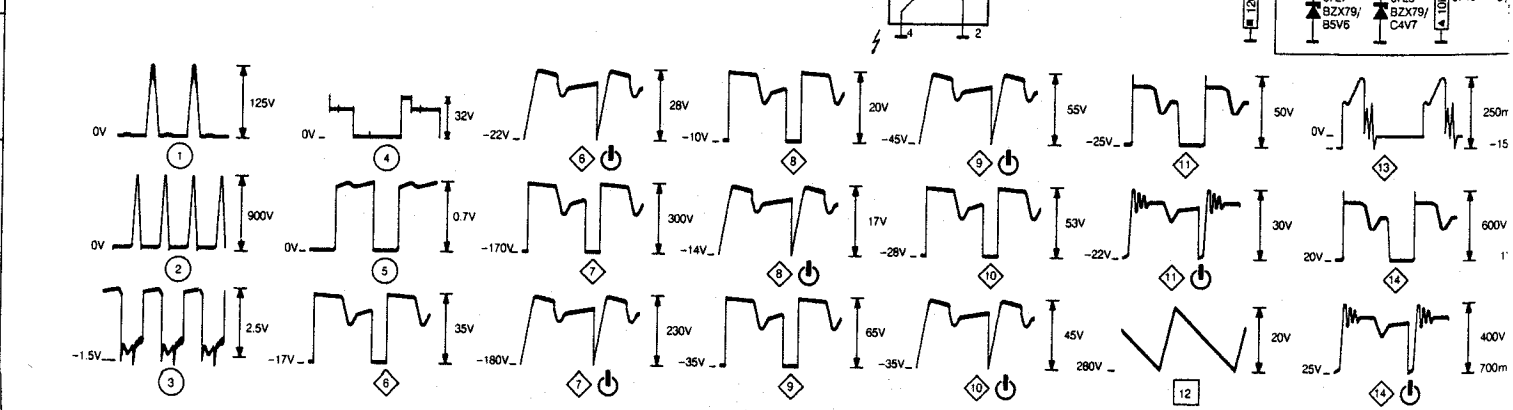
DIAGRAM-SCHALTBIKD-SHEMA-DIAGRAMA B

1001-2B SYNCHRONISATION-SINCROZZAZIONE-SYNCRONISMO

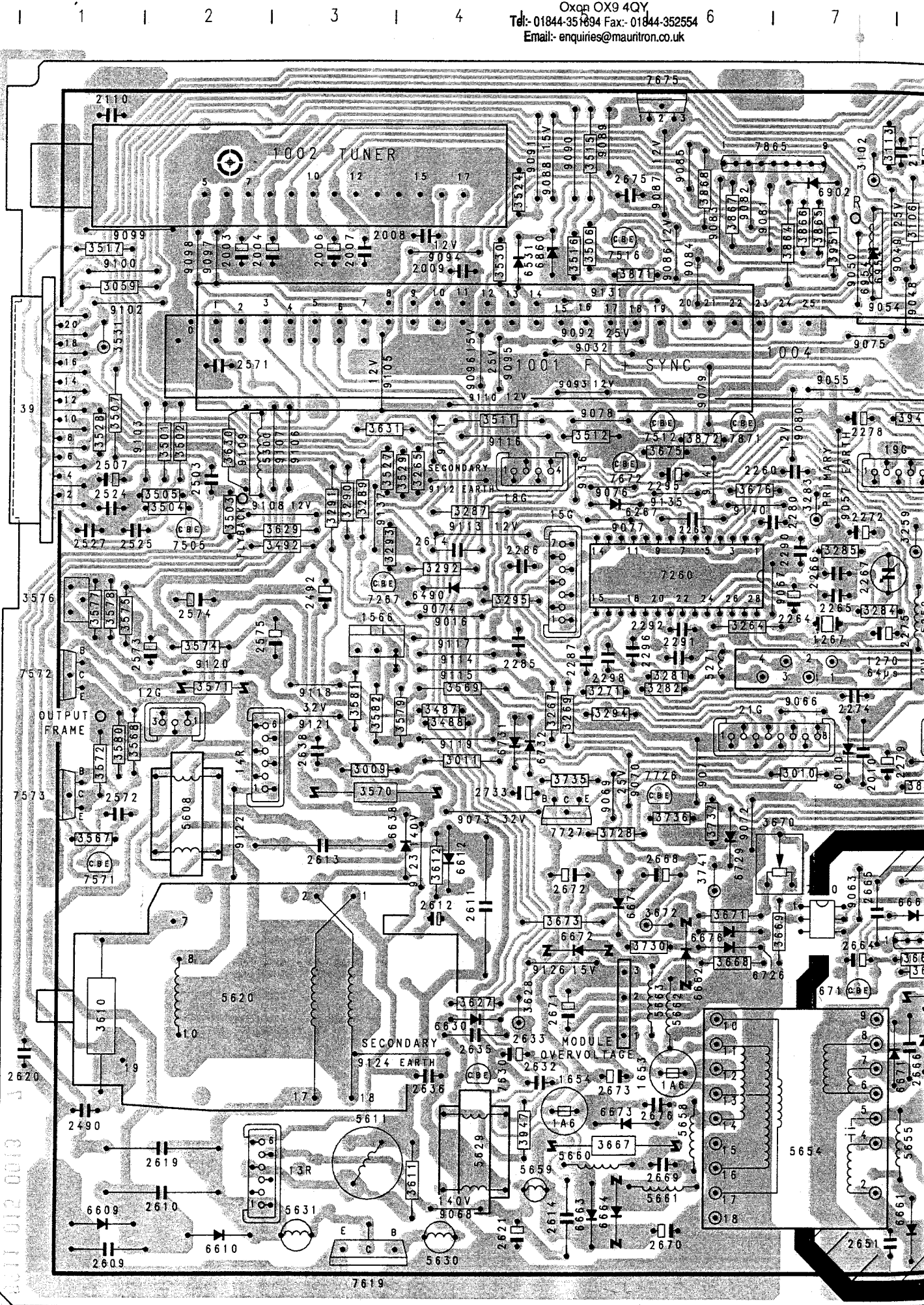


MEASURED IN RESPECT OF
MISURATO NEI CONFRONTI DI
MEDIRSE CON RESPECTO DE

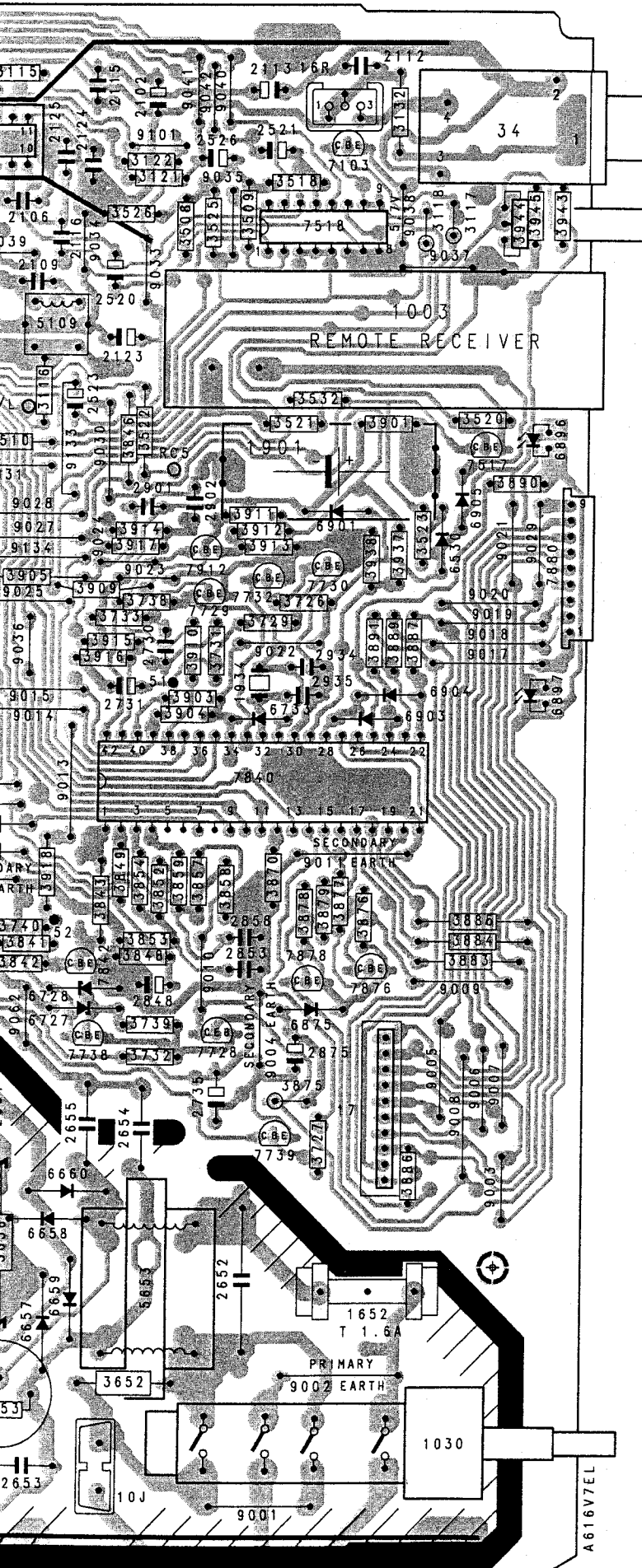
(...) →



A
B
C
D
E
F
G
H
I
J

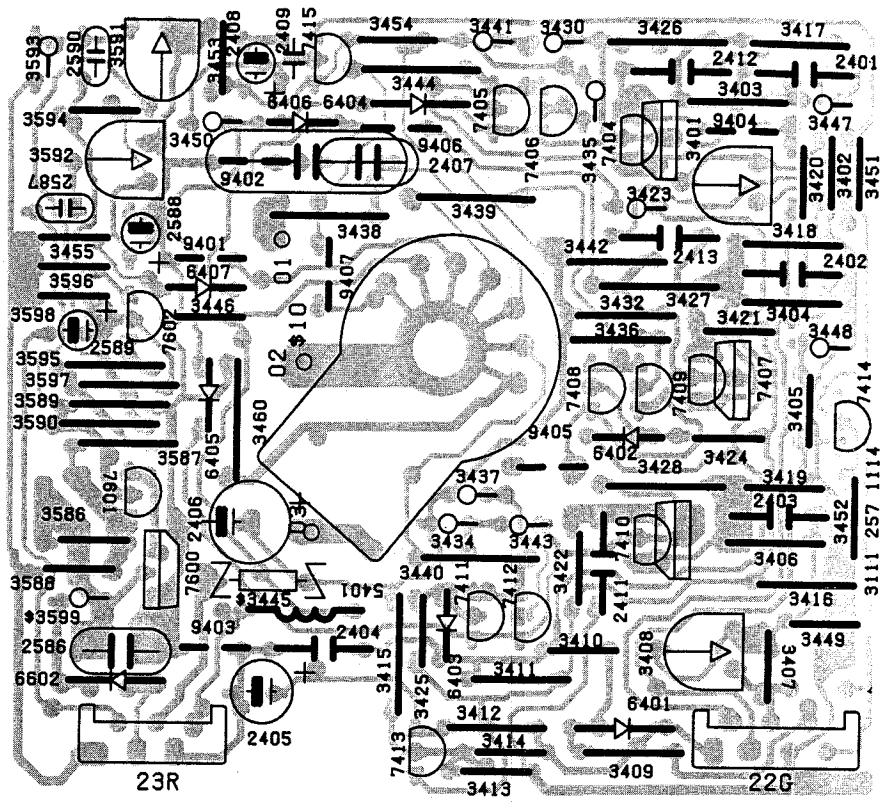


1 | 2 | 3 | 4 | 5 | 9 | 7

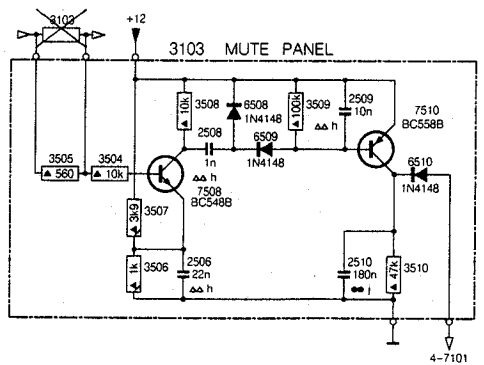


	17	12G	2572	1F	3285	7D	3730	6H	5662	6H	9008	13
	34	13A	2573	1E	3286	8D	3731	11E	5663	6H	9009	13
	39	1C	2574	2E	3287	4D	3732	11G	5665	8H	9010	11
	10J	10J	2575	2E	3289	3D	3733	10D	5666	8J	9011	12
	11B	9J	2609	1J	3290	3D	3735	5F	6010	7F	9013	10
A	12G	2F	2610	2J	3291	3D	3736	6G	6267	5D	9014	10
	13R	3I	2611	4G	3292	4E	3737	6G	6490	4E	9015	10
	14R	2F	2612	4G	3293	3D	3738	11D	6530	13D	9016	4I
	15G	5D	2613	3G	3294	5F	3739	11G	6531	11G	9017	13
	16R	12A	2614	4D	3295	4E	3740	10F	6609	1J	9018	13
	18G	4D	2614	5J	3487	4F	3741	6G	6610	2J	9019	13
	19G	8D	2619	2I	3488	4F	3835	9E	6612	4G	9020	13
	20G	8F	2620	1I	3492	3D	3836	9F	6630	4H	9021	13
	21G	6F	2621	4J	3501	2D	3837	8F	6638	4G	9022	11
	1001	5C	2632	5I	3502	2D	3841	10F	6657	10I	9023	11
B	1002	3A	2633	5H	3503	2D	3842	10G	6658	10H	9024	10
	1003	12C	2635	4H	3504	2D	3843	10F	6659	10I	9025	10
	1004	7C	2636	4I	3505	2D	3846	10C	6660	10H	9027	10
	1030	12J	2638	3F	3506	5B	3848	11G	6661	8J	9028	10
	1103	9C	2651	7J	3507	1C	3849	10F	6662	6H	9029	13
C	1104	9C	2652	11I	3508	11B	3851	10F	6663	5J	9030	10
	1262	9D	2653	10J	3509	11B	3852	11F	6664	5J	9031	10
	1267	7E	2654	10H	3510	10C	3853	11F	6665	8G	9032	5C
	1270	7E	2655	10H	3511	4C	3854	11F	6667	9H	9033	11
	1566	3E	2656	9H	3512	5D	3856	9F	6670	8I	9034	10
	1852	12I	2657	9J	3513	10F	3857	11F	6671	8I	9035	11
	1853	6I	2658	8I	3514	9F	3858	11F	6672	5H	9036	10
	1654	5I	2659	9G	3515	5A	3859	11F	6673	5I	9037	12
	1901	11C	2660	9I	3516	5B	3864	7B	6674	5G	9038	12
	1934	11E	2661	10G	3517	1B	3865	7B	6676	6H	9039	10
	2003	2B	2662	8G	3518	12B	3866	7B	6726	7H	9040	11
	2004	2B	2663	8G	3520	13C	3867	6B	6727	10G	9041	11
	2006	3B	2664	7H	3521	12C	3868	6B	6728	10G	9042	11
	2007	3B	2665	7G	3522	11C	3870	11F	6729	6G	9043	9A
	2008	3B	2666	8I	3523	12D	3871	5B	6731	4F	9044	9E
D	2009	4B	2667	8I	3524	4B	3872	6D	6732	5F	9045	8E
	2010	7F	2668	8G	3525	11B	3875	12G	6733	12E	9046	8E
	2101	9A	2669	6I	3526	10B	3876	12F	6860	5B	9047	9C
	2102	11A	2670	6J	3527	3D	3877	12F	6875	12G	9048	8C
	2103	8B	2671	5H	3528	1D	3878	12F	6896	13C	9049	8E
	2104	9B	2672	5G	3529	4D	3879	12F	6897	13E	9050	7E
	2105	9B	2673	5I	3530	4B	3883	13G	6901	12D	9052	8C
	2106	10B	2675	5B	3531	1C	3884	13F	6902	7B	9053	8E
	2107	10B	2676	6I	3532	12C	3885	13F	6903	12E	9054	7C
	2108	9B	2730	11E	3567	1G	3886	12H	6904	13E	9055	7C
	2109	10B	2731	10E	3568	1F	3887	12E	6905	13D	9056	8C
	2110	1A	2733	4F	3569	4F	3889	12E	6944	8C	9057	7C
	2111	8A	2735	21D	3570	3F	3890	13D	6954	7B	9058	9C
	2112	12A	2735	11G	3571	2F	3891	12E	7101	9B	9059	8E
	2113	11A	2836	9E	3572	1F	3901	12C	7102	8B	9060	9F
	2114	8A	2848	11G	3574	2E	3903	11E	7103	12B	9061	10F
	2115	10A	2853	11G	3575	1E	3904	11E	7260	6E	9062	10C
	2116	10B	2858	11F	3576	1E	3905	10D	7267	3E	9063	7G
	2118	9A	2875	12G	3577	1E	3909	10D	7505	2D	9064	9H
	2123	10C	2901	11D	3578	1E	3910	11E	7506	8B	9065	8F
	2124	10A	2902	11D	3579	4F	3911	11D	7512	6D	9066	7F
	2125	10A	2915	9F	3580	1F	3912	11D	7514	9F	9067	7E
	2258	8E	2934	12E	3581	3F	3913	11D	7516	5B	9068	4J
	2259	8E	2935	12E	3582	3F	3914	11D	7517	13D	9069	5F
	2260	6D	3009	3F	3610	1H	3915	10E	7518	12B	9070	5F
	2261	8D	3010	7F	3611	4I	3916	10E	7571	1G	9071	6F
	2263	6D	3011	4F	3612	4G	3917	11D	7572	1E	9072	6G
	2264	7E	3059	1B	3627	4H	3918	10F	7573	1F	9073	4G
	2265	7E	3101	9B	3628	5H	3937	12D	7619	3J	9074	4E
	2266	7E	3102	7A	3629	3D	3938	12D	7630	4I	9075	7C
G	2267	7E	3103	8C	3630	2D	3941	9F	7665	9J	9076	5D
	2270	8E	3104	9B	3631	3D	3943	13B	7666	9H	9077	5D
	2272	7D	3106	8B	3652	10I	3944	13B	7669	8G	9078	5C
	2274	7F	3107	8A	3653	10I	3945	13B	7670	7G	9079	6C
	2275	8E	3111	9A	3654	9H	3946	8C	7671	7H	9080	7D
	2278	7D	3113	7A	3655	9H	3947	5I	7672	5D	9081	6B
	2279	8F	3114	8A	3656	10H	3951	7B	7675	6A	9082	6B
	2280	7D	3115	10A	3657	8I	5108	9C	7726	6F	9083	6B
	2285	5E	3116	10C	3658	9J	5109	10C	7727	5G	9084	6B
	2286	5D	3117	13B	3659	9J	5259	8E	7728	11G	9085	6B
	2287	5E	3118	12B	3660	8I	5260	8D	7729	11D	9086	6B
	2290	7D	3121	11B	3661	8H	5261	8E	7730	12D	9087	6B
	2291	6E	3122	11B	3662	8H	5262	9C	7732	11D	9088	5B
	2292	6E	3132	12A	3663	8G	5270	9E	7738	10G	9089	5A
	2295	6D	3258	8D	3664	8H	5271	6E	7739	11H	9090	5A
	2296	6E	3259	8D	3665	8G	5300	2D	7840	11E	9091	5A
	2297	8D	3262	9D	3666	9G	5608	2G	7842	10G	9092	5C
	2298	5E	3263	9E	3667	5I	5611	3I	7865	6A	9093	5C
	2490	1I	3264	6E	3668	6H	5620	2H	7871	6D	9094	4B
	2492	3E	3265	4D	3669	7G	5629	4I	7876	12G	9095	4C
	2503	2D	3267	5F	3670	7G	5630	4J	7878	12G	9096	4C
	2507	1D	3269	5F	3671	6G	5631	3J	7880	13D	9097	2B
	2520	10B	3271	5F	3672	6G	5653	11I	7912	11D	9098	2B
	2521	11A	3278	9E	3673	5G	5654	7I	9001	11J	9099	1B
	2523	10C	3279	8E	3675	6D	5655	8I	9002	12I	9100	1B
	2524	1D	3280	8F	3676	6D	5656	9I	9003	13H	9101	11A
	2525	1D	3281	6E	3726	12D	5658	6I	9004	11G	9102	1C
	2526	11B	3282	6F	3727	12H	5659	5I	9005	12G	9103	1D
	2527	1D	3283	7D	3728	5G	5660	5I	9006	13G	9105	3C
	2571	2C	3284	7E	3729	11D	5661	6J	9007	13G	9106	3D
J												

3730	6H	5662	6H	9008	13H	9107	3D
3731	11E	5663	6H	9009	13G	9108	3D
3732	11G	5665	8H	9010	11G	9109	2D
3733	10D	5666	8J	9011	12F	9110	4C
3735	5F	6010	7F	9013	10E	9111	4D
3736	6G	6267	5D	9014	10E	9112	4D
3737	6G	6490	4E	9015	10E	9113	4D
3738	11D	6530	13D	9016	4E	9114	4E
3739	11G	6531	5B	9017	13E	9115	4E
3740	10F	6609	1J	9018	13E	9116	4D
3741	6G	6610	2J	9019	13D	9117	4E
3835	9E	6612	4G	9020	13D	9118	3F
3836	9F	6630	4H	9021	13D	9119	4F
3837	8F	6638	4G	9022	11E	9120	2E
3841	10F	6657	10I	9023	11D	9121	3F
3842	10G	6658	10H	9024	10D	9122	2G
3843	10F	6659	10I	9025	10D	9123	4G
3846	10C	6660	10H	9027	10D	9124	3I
3848	11G	6661	8J	9028	10D	9126	5H
3849	10F	6662	6H	9029	13D	9127	8H
3851	10F	6663	5J	9030	10C	9131	5B
3852	11F	6664	5J	9031	10D	9133	10C
3853	11F	6665	8G	9032	5C	9134	10D
3854	11F	6667	9H	9033	11B	9135	35D
3856	9F	6670	8I	9034	10B	9136	5D
3857	11F	6671	8I	9035	11B	9137	3D
3858	11F	6672	5H	9036	10E	9140	6D
3859	11F	6673	5I	9037	12B	9141	6D
3864	7B	6674	5G	9038	12B		
3865	7B	6676	6H	9039	10B		
3866	7B	6726	7H	9040	11A		
3867	6B	6727	10G	9041	11A		
3868	8B	6728	10G	9042	11A		
3870	11F	6729	6G	9043	9A		
3871	5B	6731	4F	9044	9B		
3872	6D	6732	5F	9045	8B		
3875	12G	6733	12E	9046	8B		
3876	12F	6860	5B	9047	9C		
3877	12F	6875	12G	9048	8C		
3878	12F	6896	13C	9049	8B		
3879	12F	6897	13E	9050	7B		
3883	13G	6901	12D	9052	8D		
3884	13F	6902	7B	9053	8D		
3885	13F	6903	12E	9054	7C		
3886	12H	6904	13E	9055	7C		
3887	12E	6905	13D	9056	8C		
3889	12E	6944	8C	9057	7D		
3890	13D	6954	7B	9058	9D		
3891	12E	7101	9B	9059	8E		
3901	12C	7102	8B	9060	9F		
3903	11E	7103	12B	9061	10F		
3904	11E	7260	6E	9062	10G		
3905	10D	7267	3E	9063	7G		
3909	10D	7505	2D	9064	9H		
3910	11E	7506	8B	9065	8F		
3911	11D	7512	6D	9066	7F		
3912	11D	7514	9F	9067	7E		
3913	11D	7516	5B	9068	4J		
3914	11D	7517	13D	9069	5F		
3915	10E	7518	12B	9070	5F		
3916	10E	7571	1G	9071	6F		
3917	11D	7572	1E	9072	6G		
3918	10F	7573	1F	9073	4G		
3937	12D	7619	3J	9074	4E		
3938	12D	7630	4I	9075	7C		
3941	9F	7665	9J	9076	5D		
3943	13B	7666	9H	9077	5D		
3944	13B	7669	8G	9078	5C		
3945	13B	7670	7G	9079	6C		
3946	8C	7671	7H	9080	7D		
3947	5I	7672	5D	9081	6B		
3951	7B	7675	6A	9082	6B		
5108	9C	7726	6F	9083	6B		
5109	10C	7727	5G	9084	6B		
5259	8E	7728	11G	9085	6B		
5260	8D	7729	11D	9086	6B		
5261	8E	7730	12D	9087	6B		
5262	9C	7732	11D	9088	5B		
5270	9E	7738	10G	9089	5A		
5271	6E	7739	11H	9090	5A		
5300	2D	7840	11E	9091	5A		
5608	2G	7842	10G	9092	5C		
5611	3I	7865	6A	9093	5C		
5620	2H	7871	8D	9094	4B		
5629	4I	7876	12G	9095	4C		
5630	4J	7878	12G	9096	4C		
5631	3J	7880	13D	9097	2B		
5653	11I	7912	11D	9098	2B		
5654	7I	9001	11J	9099	1B		
5655	8I	9002	12I	9100	1B		
5656	9I	9003	13H	9101	11A		
5658	6I	9004	11G	9102	1C		
5659	5I	9005	12G	9103	1D		
5660	5I	9006	13G	9105	3C		
5661	6J	9007	13G	9106	3D		

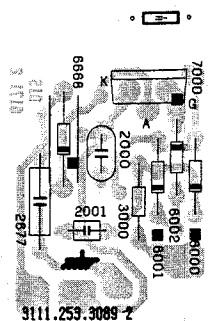


For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
 8 Cherry Tree Rd, Chinnor
 Oxon OX9 4QY
 Tel:- 01844-351694 Fax:- 01844-352554
 Email:- enquiries@mauritron.co.uk

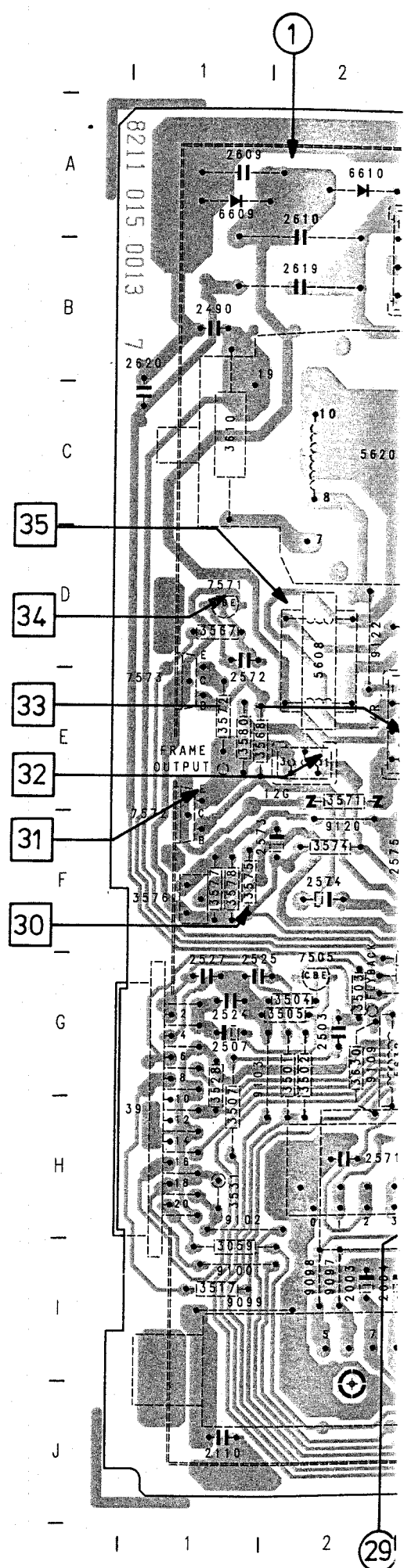
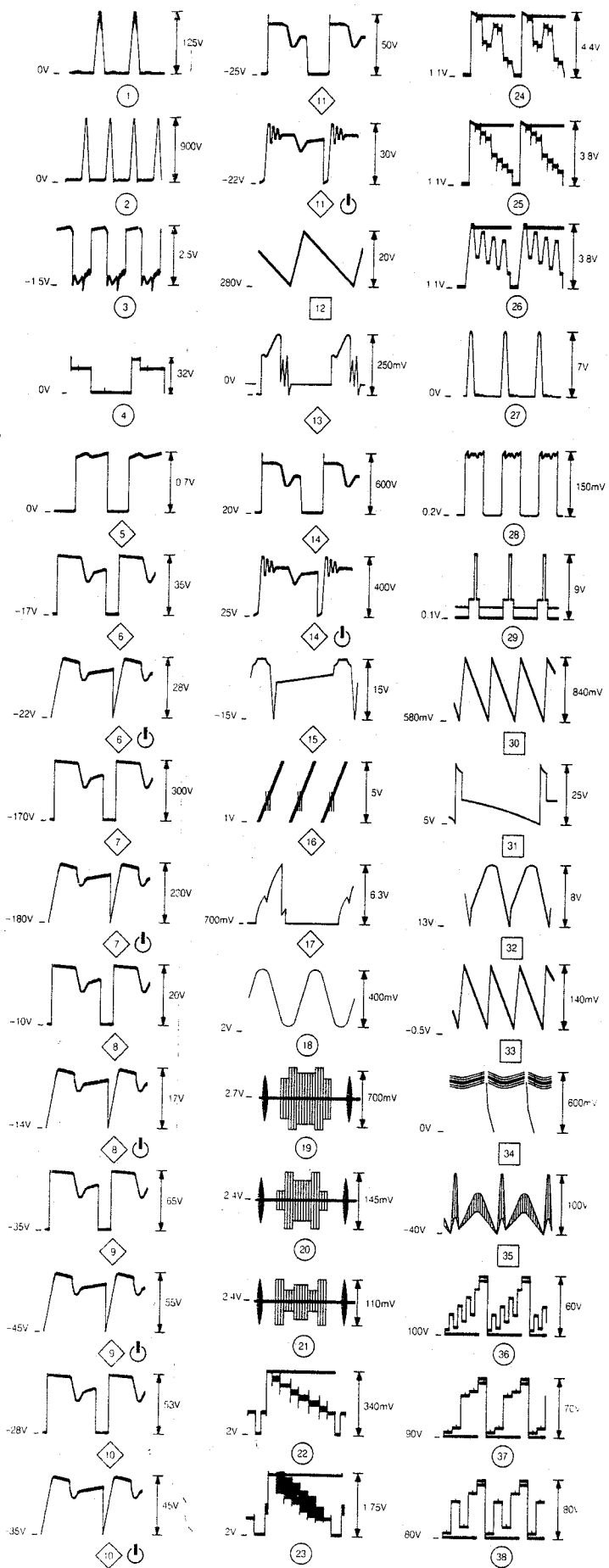


PRS.02512
 T28/905

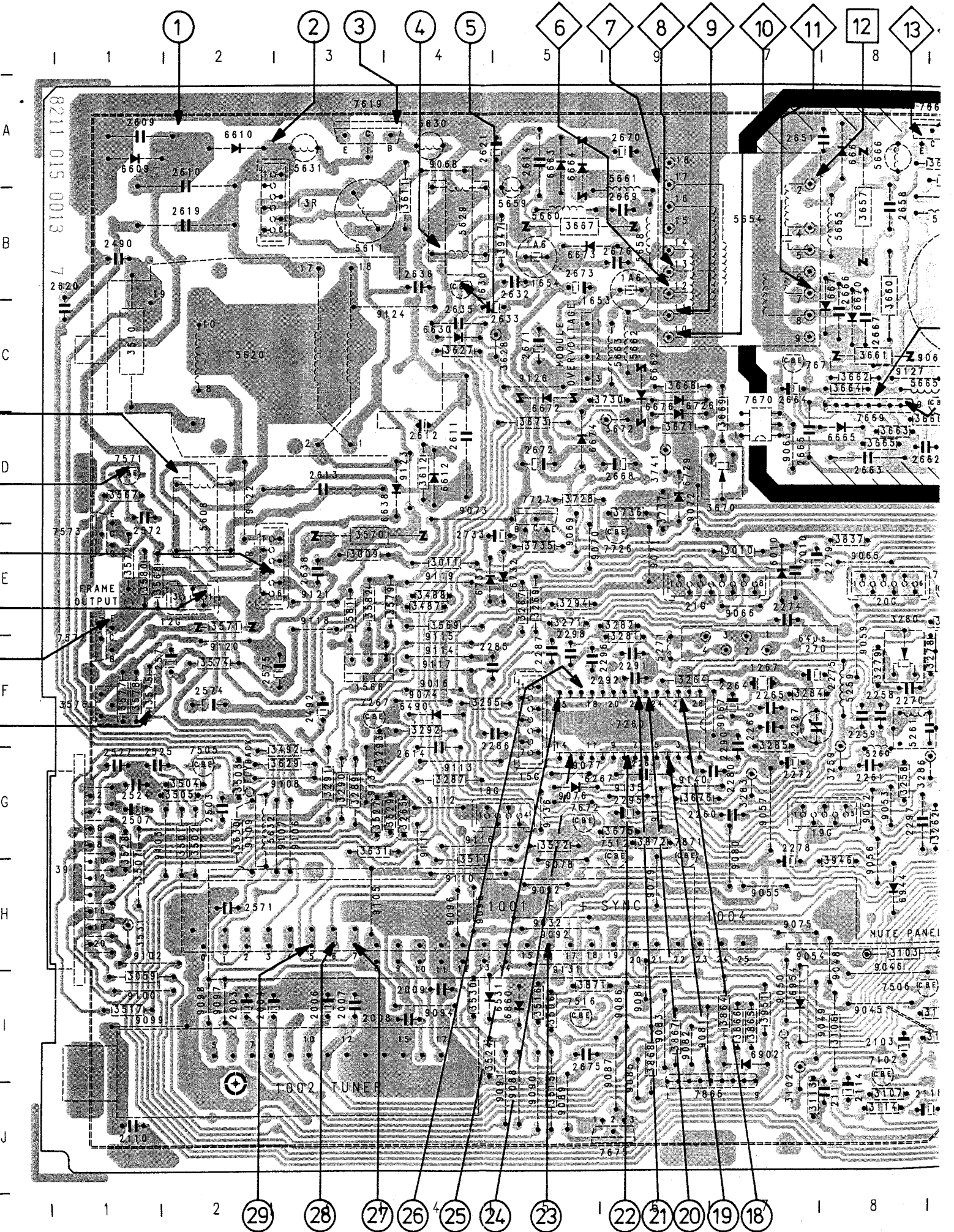
1005 OVERVOLTAGE PANEL



3111.253.3089-2



PRS 0262H
T-26/721



8211 015 0013

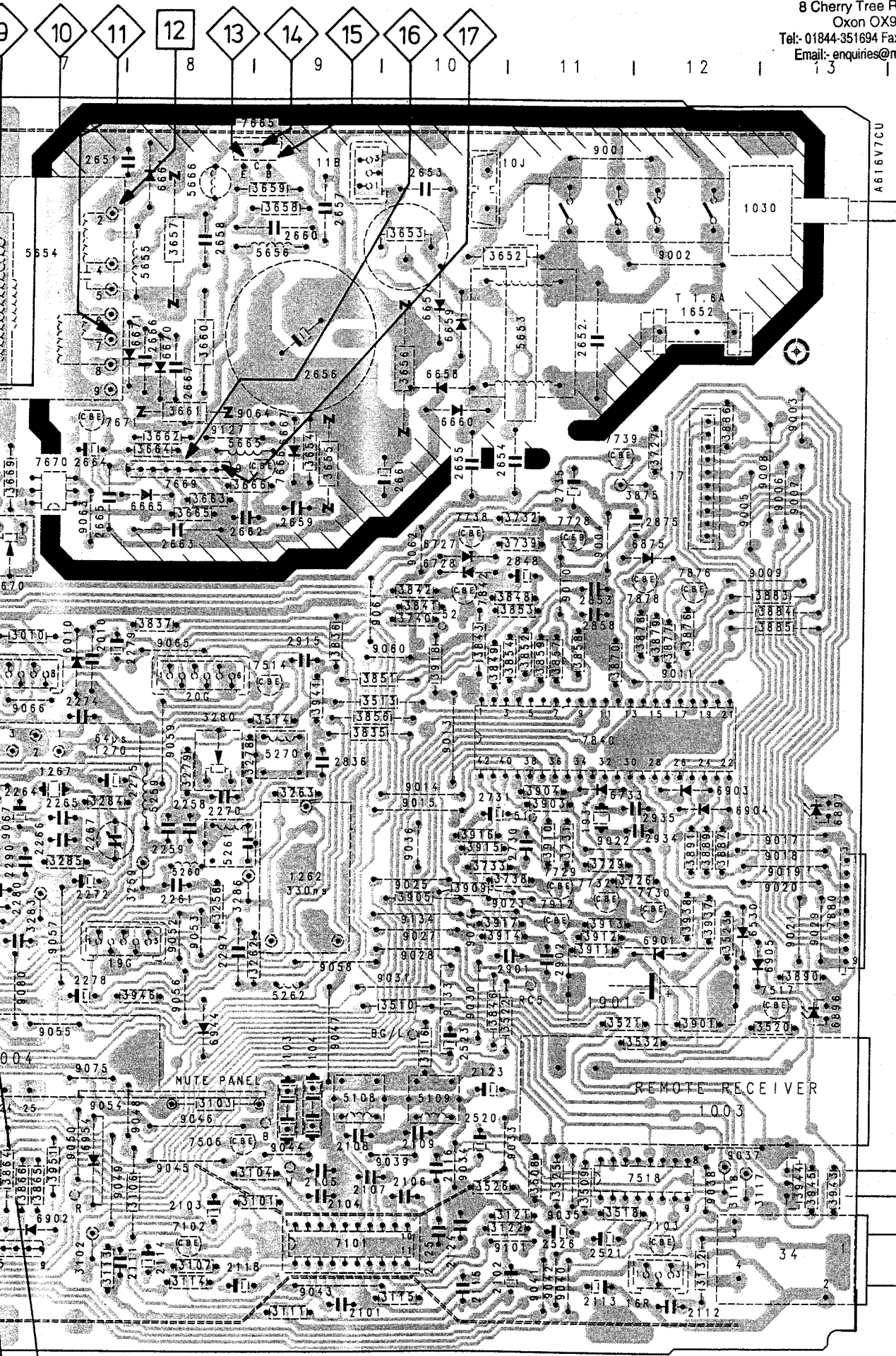
FRAME OUTPUT

TO Q2 TUNER

OVERVOLTAGE

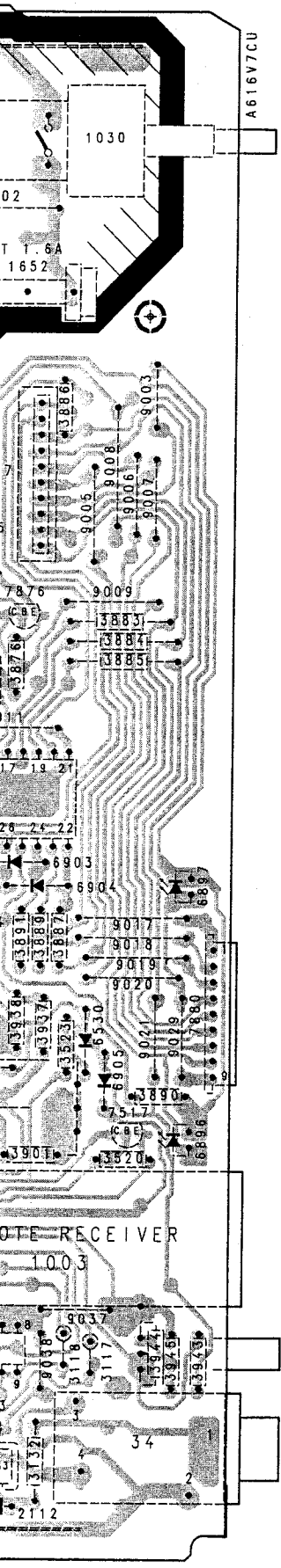
MUTE PANEL

29 28 27 26 25 24 23 22 21 20 19 18



1	1
13	1
14	1
15	1
16	1
17	1
18	1
19	1
20	1
21	1
22	1
23	1
24	1
25	1
26	1
27	1
28	1
29	1
30	1
31	1
32	1
33	1
34	1
35	1
36	1
37	1
38	1
39	1
40	1
41	1
42	1
43	1
44	1
45	1
46	1
47	1
48	1
49	1
50	1
51	1
52	1
53	1
54	1
55	1
56	1
57	1
58	1
59	1
60	1
61	1
62	1
63	1
64	1
65	1
66	1
67	1
68	1
69	1
70	1
71	1
72	1
73	1
74	1
75	1
76	1
77	1
78	1
79	1
80	1
81	1
82	1
83	1
84	1
85	1
86	1
87	1
88	1
89	1
90	1
91	1
92	1
93	1
94	1
95	1
96	1
97	1
98	1
99	1
100	1
101	1
102	1
103	1
104	1
105	1
106	1
107	1
108	1
109	1
110	1
111	1
112	1
113	1
114	1
115	1
116	1
117	1
118	1
119	1
120	1
121	1
122	1
123	1
124	1
125	1
126	1
127	1
128	1
129	1
130	1
131	1
132	1
133	1
134	1
135	1
136	1
137	1
138	1
139	1
140	1
141	1
142	1
143	1
144	1
145	1
146	1
147	1
148	1
149	1
150	1
151	1
152	1
153	1
154	1
155	1
156	1
157	1
158	1
159	1
160	1
161	1
162	1
163	1
164	1
165	1
166	1
167	1
168	1
169	1
170	1
171	1
172	1
173	1
174	1
175	1
176	1
177	1
178	1
179	1
180	1
181	1
182	1
183	1
184	1
185	1
186	1
187	1
188	1
189	1
190	1
191	1
192	1
193	1
194	1
195	1
196	1
197	1
198	1
199	1
200	1
201	1
202	1
203	1
204	1
205	1
206	1
207	1
208	1
209	1
210	1
211	1
212	1
213	1
214	1
215	1
216	1
217	1
218	1
219	1
220	1
221	1
222	1
223	1
224	1
225	1
226	1
227	1
228	1
229	1
230	1
231	1
232	1
233	1
234	1
235	1
236	1
237	1
238	1
239	1
240	1
241	1
242	1
243	1
244	1
245	1
246	1
247	1
248	1
249	1
250	1
251	1
252	1
253	1
254	1
255	1
256	1
257	1

12 | 13 |



A
B
C
D
E
F
G
H
I
J

17	12C	2572	1E	3286	8G	3731	11F	5663	6C	9009	13D	9108	3G
34	13J	2573	1F	3287	4G	3732	11D	5665	8C	9010	11D	9109	2G
39	1H	2574	2F	3289	3G	3733	10G	5666	8A	9011	12E	9110	4H
10J	10A	2575	2F	3290	3G	3735	5E	6010	7E	9013	10F	9111	4G
11B	9A	2609	1A	3291	3G	3736	6D	6267	5G	9014	10F	9112	4G
12G	2E	2610	2A	3292	4F	3737	6D	6490	4F	9015	10F	9113	4G
13R	3B	2611	4D	3293	3G	3738	11G	6530	13G	9016	4F	9114	4F
14R	2E	2612	4D	3294	5E	3739	11D	6531	5I	9017	13F	9115	4F
16G	5G	2613	3D	3295	4F	3740	10E	6609	1A	9018	13F	9116	4F
16R	12J	2614	4G	3295	4E	3741	6D	6610	2A	9019	13G	9117	4G
18G	4G	2614	5A	3488	4E	3835	9F	6612	4D	9020	13G	9118	3E
19G	8G	2619	2B	3492	3G	3836	9E	6630	4C	9021	13G	9119	4E
20G	8E	2620	1B	3501	2G	3837	8E	6638	4D	9022	11F	9120	2F
21G	6E	2621	4A	3502	2G	3841	10E	6657	10B	9023	11G	9121	3E
1001	5H	2632	5B	3503	2G	3842	10D	6658	10C	9024	10G	9122	2D
1002	3J	2633	5C	3504	2G	3843	10E	6659	10B	9025	10G	9123	4D
1003	12H	2635	4C	3505	2G	3846	10H	6660	10C	9027	10G	9124	4C
1004	7H	2636	4B	3506	5I	3848	11D	6661	8A	9028	10G	9126	5C
1030	12A	2638	3E	3507	1H	3849	10E	6662	6C	9029	13G	9127	8C
1103	9H	2651	7A	3508	11I	3851	10E	6663	5A	9030	10H	9131	5I
1104	9H	2652	11B	3509	11I	3852	11E	6664	5A	9031	10G	9133	10H
1262	9G	2653	10A	3510	10H	3853	11E	6665	8D	9032	5H	9134	10G
1267	7F	2654	10C	3511	4H	3854	11E	6667	9C	9033	11I	9135	6G
1270	7F	2655	10C	3512	5G	3856	9E	6670	8B	9034	10I	9136	5G
1566	3F	2656	9C	3513	10E	3857	11E	6671	8B	9035	11I	9137	3G
1652	12B	2657	9A	3514	9E	3858	11E	6672	5C	9036	10F	9140	6G
1653	5C	2658	8B	3515	5J	3859	11E	6673	5B	9037	12I	9141	6G
1654	5B	2659	9D	3516	5I	3864	7I	6674	5D	9038	12I		
1901	11H	2660	9B	3517	1I	3865	7I	6676	6C	9039	10I		
1934	11F	2661	10D	3518	12I	3866	7I	6726	6C	9040	11J		
2003	2I	2662	8D	3520	13H	3867	6I	6727	10D	9041	11J		
2004	2I	2663	8D	3521	12H	3868	6I	6728	10D	9042	11J		
2006	3I	2664	7C	3522	11H	3870	11E	6729	6D	9043	9J		
2007	3I	2665	7D	3523	12G	3871	5I	6731	4E	9044	9I		
2008	3I	2666	8B	3524	4I	3872	6G	6732	5E	9045	8I		
2009	4I	2667	8C	3525	11I	3875	12D	6733	12F	9046	8I		
2010	7E	2668	6D	3526	10I	3876	12E	6860	5I	9047	9H		
2101	9J	2669	6B	3527	3G	3877	12E	6875	12D	9048	8H		
2102	11J	2670	6A	3528	1G	3878	12E	6896	13H	9049	8I		
2103	8I	2671	5C	3529	4G	3879	12E	6897	13F	9050	7I		
2104	9I	2672	5D	3530	4I	3883	13D	6901	12G	9052	8G		
2105	9I	2673	5B	3531	1H	3884	13E	6902	7I	9053	8G		
2106	10I	2675	5I	3532	12H	3885	13E	6903	12F	9054	7H		
2107	10I	2676	6B	3567	1D	3886	12C	6904	13F	9055	7H		
2108	9I	2730	11F	3568	1E	3887	12F	6905	13G	9056	8H		
2109	10I	2731	10F	3569	4E	3889	12F	6944	8H	9057	7G		
2110	1J	2733	4E	3570	3E	3890	13G	6954	7I	9058	9G		
2111	8J	2735	11D	3571	2E	3891	12H	7101	9I	9059	8F		
2112	12J	2836	9F	3572	1E	3901	12H	7102	8I	9060	10E		
2113	11J	2848	11D	3574	2F	3903	11F	7103	12I	9061	10E		
2114	8J	2853	11D	3575	1F	3904	11F	7260	6F	9062	10D		
2115	10J	2858	11E	3576	1F	3905	10G	7267	3F	9063	7D		
2116	10I	2875	12D	3577	1F	3909	10G	7505	2G	9064	9C		
2118	9J	2901	11G	3578	1F	3910	11F	7506	8I	9065	8E		
2123	10H	2902	11G	3579	4E	3911	11G	7512	6G	9066	7E		
2124	10J	2915	9E	3580	1E	3912	11G	7514	9E	9067	7F		
2125	10J	2934	12F	3581	3E	3913	11G	7516	5I	9068	4A		
2258	8F	2935	12F	3582	3E	3914	11G	7517	13G	9069	5E		
2259	8F	3009	3E	3610	1C	3915	10F	7518	12I	9070	5E		
2260	6G	3010	7E	3611	4B	3916	10F	7571	1D	9071	6E		
2261	8G	3011	4E	3612	4D	3917	11G	7572	1F	9072	6D		
2263	6G	3059	1I	3627	4C	3918	10E	7573	1E	9073	4D		
2264	7F	3101	9I	3628	5C	3937	12G	7619	3A	9074	4F		
2265	7F	3102	7J	3629	3G	3938	12G	7630	4B	9075	7H		
2266	7F	3103	8H	3630	2G	3941	9E	7665	9A	9076	5G		
2267	7F	3104	9I	3631	3G	3943	13I	7666	9C	9077	5G		
2270	8F	3106	8I	3652	10B	3944	13I	7669	8D	9078	5H		
2272	7G	3107	8J	3653	10B	3945	13I	7670	7C	9079	6H		
2274	7E	3111	9J	3654	9C	3946	8H	7671	7C	9080	7G		
2275	8F	3113	7J	3655	9C	3947	5B	7672	5G	9081	6I		
2278	7G	3114	8J	3656	10C	3951	7I	7675	6J	9082	6I		
2279	8E	3115	10J	3657	8B	5108	9H	7726	6E	9083	6I		
2280	7G	3116	10H	3658	9A	5109	10H	7727	5D	9084	6I		
2285	5F	3117	13I	3659	9A	5259	8F	7728	11D	9085	6I		
2286	5G	3118	12I	3660	8B	5260	8G	7729	11G	9086	6I		
2287	5F	3121	11I	3661	8C	5261	8F	7730	12G	9087	6I		
2290	7G	3122	11I	3662	8C	5262	9H	7732	11G	9088	5J		
2291	6F	3132	12J	3663	8D	5270	9F	7738	10D	9089	5J		
2292	6F	3258	8G	3664	8C	5271	6F	7739	11C	9090	5J		
2295	6G	3259	8G	3665	8D	5608	2D	7840	11F	9091	5J		
2296	6F	3262	9G	3666	9D	5611	3B	7842	10D	9092	5H		
2297	8G	3263	9F	3667	5B	5620	2C	7865	6J	9092	5H		
2298	5F	3264	6F	3668	6C	5629	4B	7871	6G	9094	4I		
2490	1B	3265	4G	3669	7D	5630	4A	7876	12D	9095	4H		
2492	3F	3267	5E	3670	7D	5631	3A	7878	12D	9096	4H		
2503	2G	3269	5E	3671	6D	5632	2G	7880	13G	9097	2I		
2507	1G	3271	5E	3672	6D	5653	11B	7912	11G	9098	2I		
2520	10I	3278	9F	3673	5D	5654	7B	9001	11A	9099	1I		
2521	11J	3279	8F	3675	6G	5655	8B	9002	12B	9100	1I		
2523	10H	3280	8E	3676	6G	5656	9B	9003	13C	9101	11J		
2524	1G	3281	6F	3726	12G	5658	8B	9004	11D	9102	1H		
2525	1G	3282	6E	3727	12C	5659	5B	9005	12D	9103	1G		
2526	11I	3283	7G	3728	5D	5660	5B	9006	13D	9105	3H		
2527	1G	3284	7F	3729	11G	5661	6A	9007	13D	9106	3G		
2571	2H	3285	7G	3730	6C	5662	6C	9008	13C	9107	3G		

12 | 13 |

Service
Service
Service

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

CP110

91.01

Service Information

(GB)

From serial numbers AG03... and QG13... onwards sets with chassis CP110 are also equipped with a peak-voltage protection PCB. This PCB (U1071) is connected in front of the mains switch, see fig. 1.

On the monocarrier the mains fuse 1652 and the mains coil 5653 have been replaced by bridge wires and C2652 has been removed.

PCB 1071 can also be incorporated in older sets. The fixing bracket and connection cables are supplied together with the complete PCB. The fixing bracket should be mounted on the right next to the monocarrier on the base of the cabinet. See also fig. 2. The fuse 1652 and the mains coil 5653 should then be shorted and C2652 removed.

(F)

A partir des numéros de série AG03... et QG13..., les appareils pourvus d'un châssis CP110 ont été équipés d'une carte de protection contre les tensions de crête.

Cette carte (U1071) est raccordée avant l'interrupteur-secteur (fig. 1)

Sur la monoporteuse le fusible secteur 1652 et la bobine secteur 5653 ont été remplacés par des cavaliers et C2652 a été enlevé.

La carte 1071 peut également être mise en place dans les appareils moins récents. Le collier de fixation et câbles de raccordement nécessaires sont livrés avec la carte complète. Il convient de monter le collier de fixation à droite, près de la monoporteuse, sur le fond du boîtier (fig.2). Le fusible 1652 et la bobine secteur 5653 doivent ensuite être mis en court-circuit sur la monoporteuse et C2652 doit être enlevé.

(NL)

In apparaten met chassis CP110 is vanaf de serienummers AG03... en QG13... een piekspanningbeveiligings paneel toegevoegd. Dit paneel (U1071) is voor de netschakelaar aangesloten, zie fig. 1.

Op de monocarrier zijn de netzekering 1652 en de netspoel 5653 vervangen door brugdraden.

Het paneel 1071 kan ook in oudere apparaten worden ingebouwd. De benodigde bevestigingsbeugel en verbindingkabels worden tegelijk met het complete paneel geleverd. De bevestigingsbeugel dient rechts naast de monocarrier op de bodem van de kast gemonteerd te worden. Zie ook fig. 2. Op de monocarrier dienen dan de zekering 1652 en de netspoel 5653 te worden kortgesloten.

(D)

Bei allen Geräten mit Chassis CP110, deren Seriennummern mit AG03... und OG13... (und aufwärts) anfangen, wurde eine zusätzliche Spitzenspannungsschutz-Platine eingebaut. Diese Platine (U1071) wurde vor den Netzschalter geschaltet (siehe Abb. 1).

Auf der Monocarrier-Platine wurden die Netzsicherung 1652 und die Netzspule 5653 gegen Drahtbrücken ausgetauscht; C2652 wurde entfernt.

Die Platine U1071 läßt sich auch in ältere Geräte einbauen. Der dazu benötigte Befestigungsbügel und die Verbindungskabel werden mit der kompletten Platine geliefert.

Der Befestigungsbügel ist rechts neben dem Monocarrier am Gehäuseboden zu montieren (siehe Abb. 2). Auf der Monocarrier-Platine müssen die Sicherung 1652 und die Netzspule 5653 kurzgeschlossen und C2652 entfernt werden.

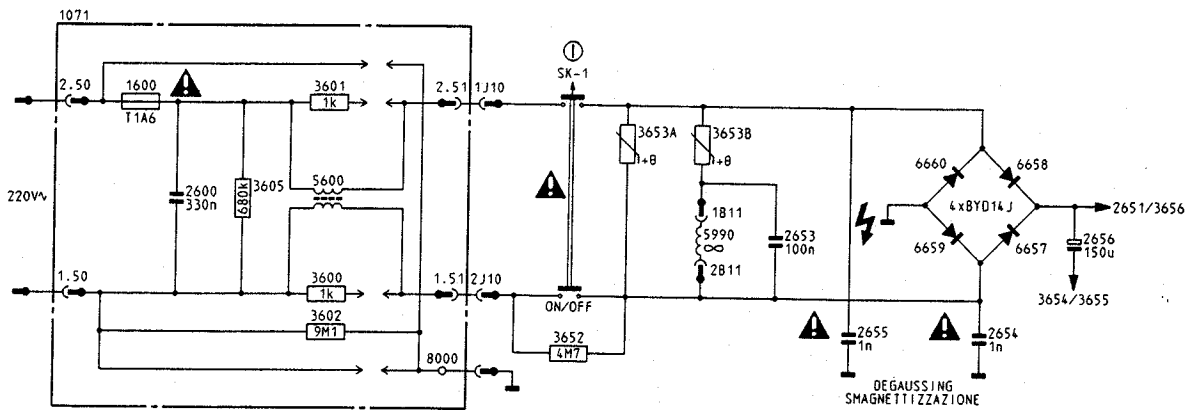


Fig. 1

CP 110-91/01

CL16532026/011.X001
020791

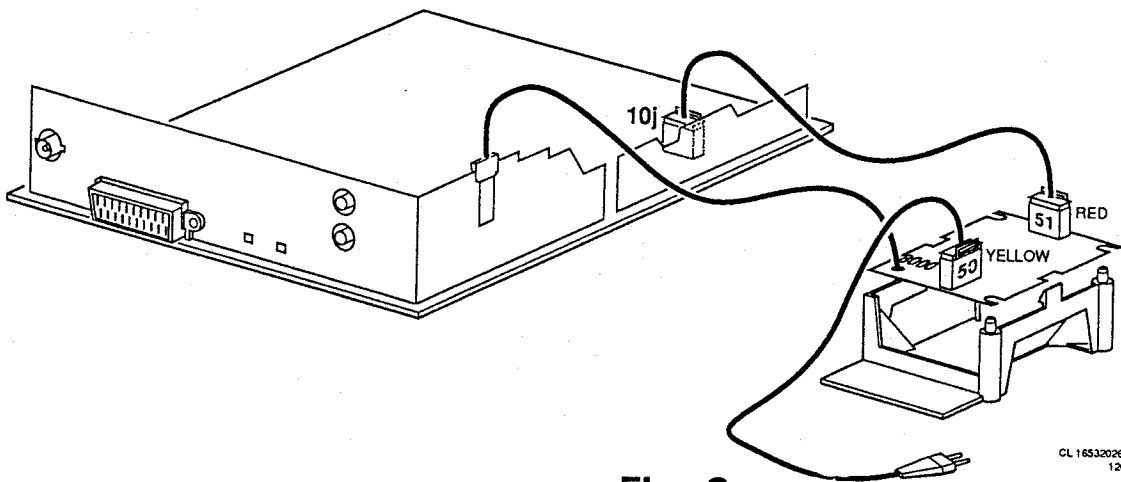


Fig. 2

CL 16532026/012
120691

Spare parts list / Nomenclature / Stückliste

1071	complete	4822 212 23808
1071	version GB, complete	4822 212 23809
1600	T 1.6A	4822 253 30024
2600	330nF 250V	5322 121 44222
3600	1 k ohm	4822 116 23809
3601	1 k ohm	4822 116 23809
3602	9.1 M ohm	4822 053 21915
3605	680 k ohm 0.5W	4822 053 21684
5600		4822 157 53068

Service
Service
Service

CP110

91.01

Service Information

GB

From serial numbers AG03... and QG13... onwards sets with chassis CP110 are also equipped with a peak-voltage protection PCB. This PCB (U1071) is connected in front of the mains switch, see fig. 1.

On the mono-carrier the mains fuse 1652 and the mains coil 5653 have been replaced by bridge wires and C2652 has been removed.

PCB 1071 can also be incorporated in older sets. The fixing bracket and connection cables are supplied together with the complete PCB. The fixing bracket should be mounted on the right next to the mono-carrier on the base of the cabinet. See also fig. 2.

In case the bosses on the bottom of the mounting bracket obstruct a correct mounting cut away these bosses.

In stead of the supplied mains lead also the original mains lead can be connected to socket 50. On the mono-carrier the fuse 1652 and the mains coil 5653 should be short circuited and C2652 removed.

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

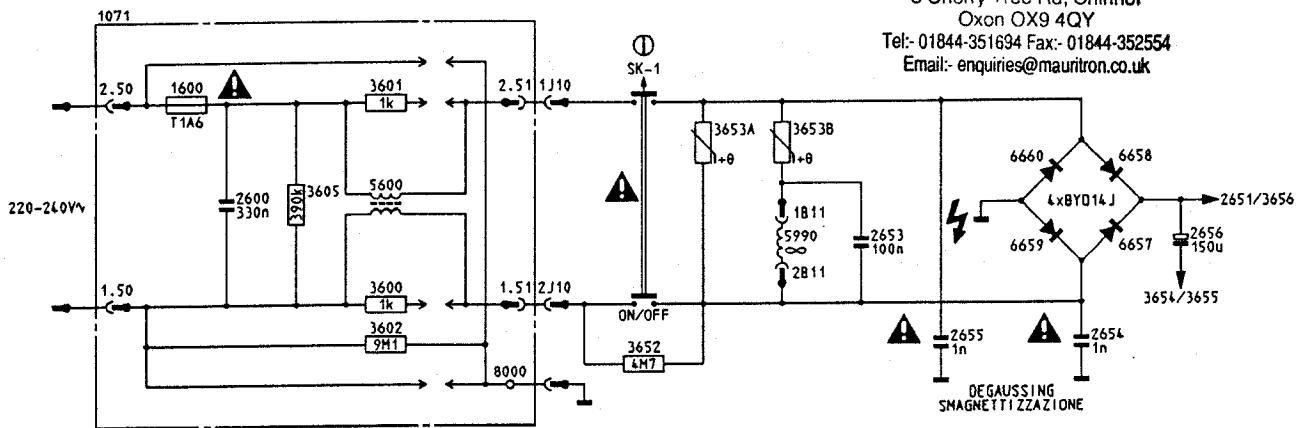


Fig. 1

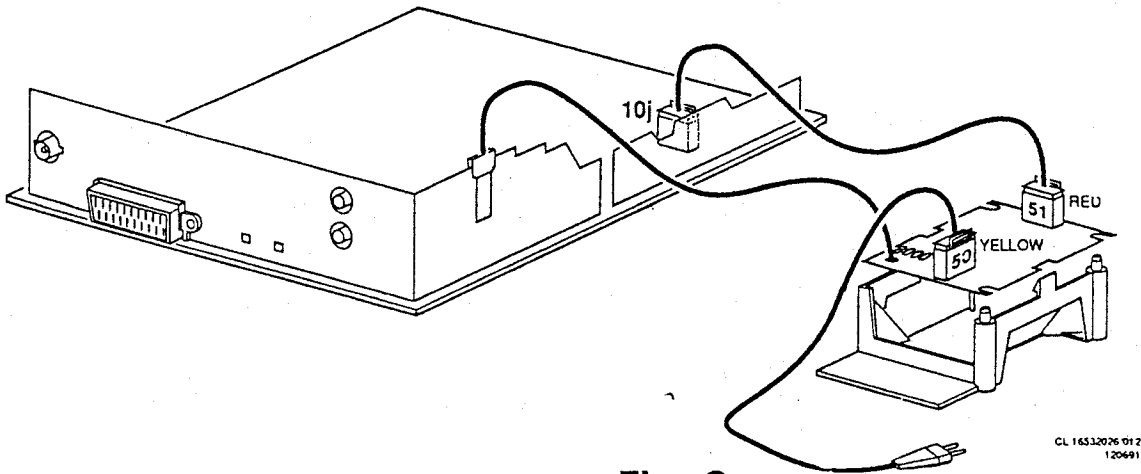


Fig. 2

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

Spare parts list

1071	complete	4822 212 23808
1600	T 1.6A	4822 253 30024
2600	330nF 250V	5322 121 44222
3600	1 k ohm	4822 116 23809
3601	1 k ohm	4822 116 23809
3602	9.1 M ohm	4822 053 21915
3605	390 k ohm 0.5W	4822 053 21394
5600		4822 157 53068