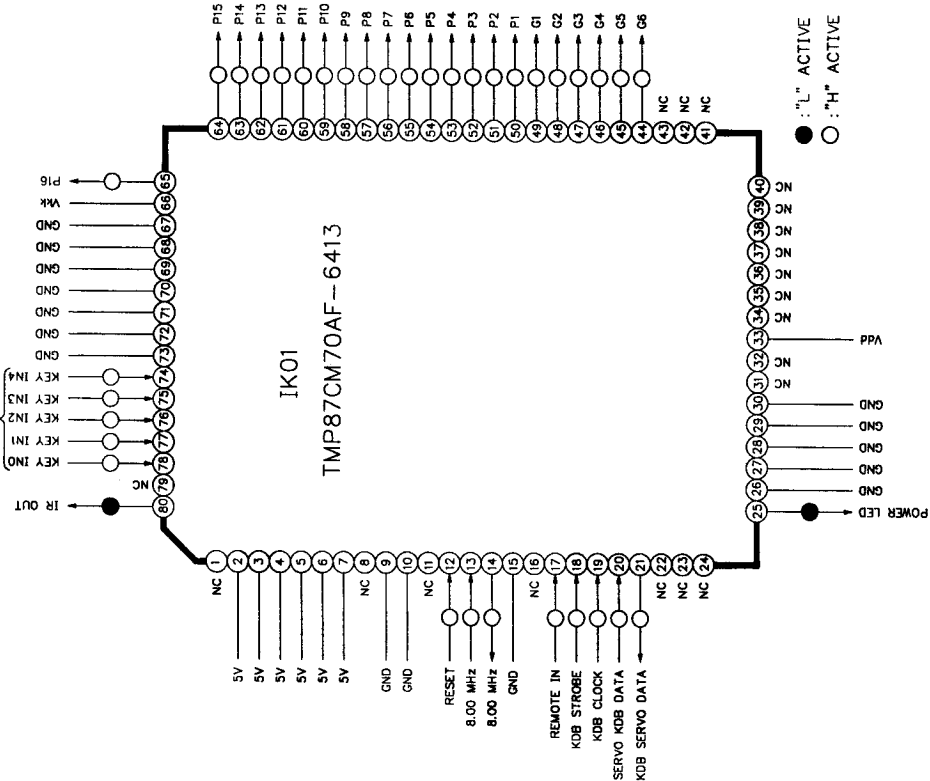
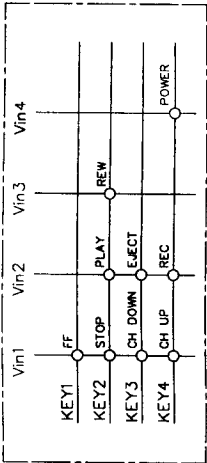
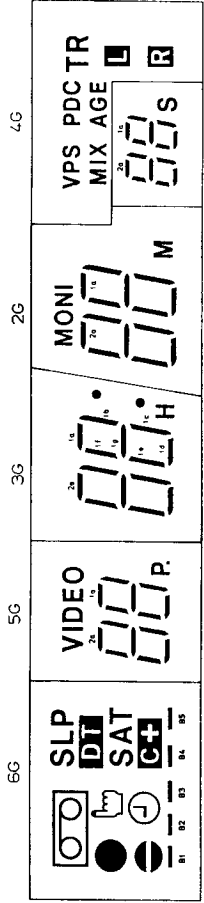


7-3-1. DISPLAY Microcomputer Terminal Function



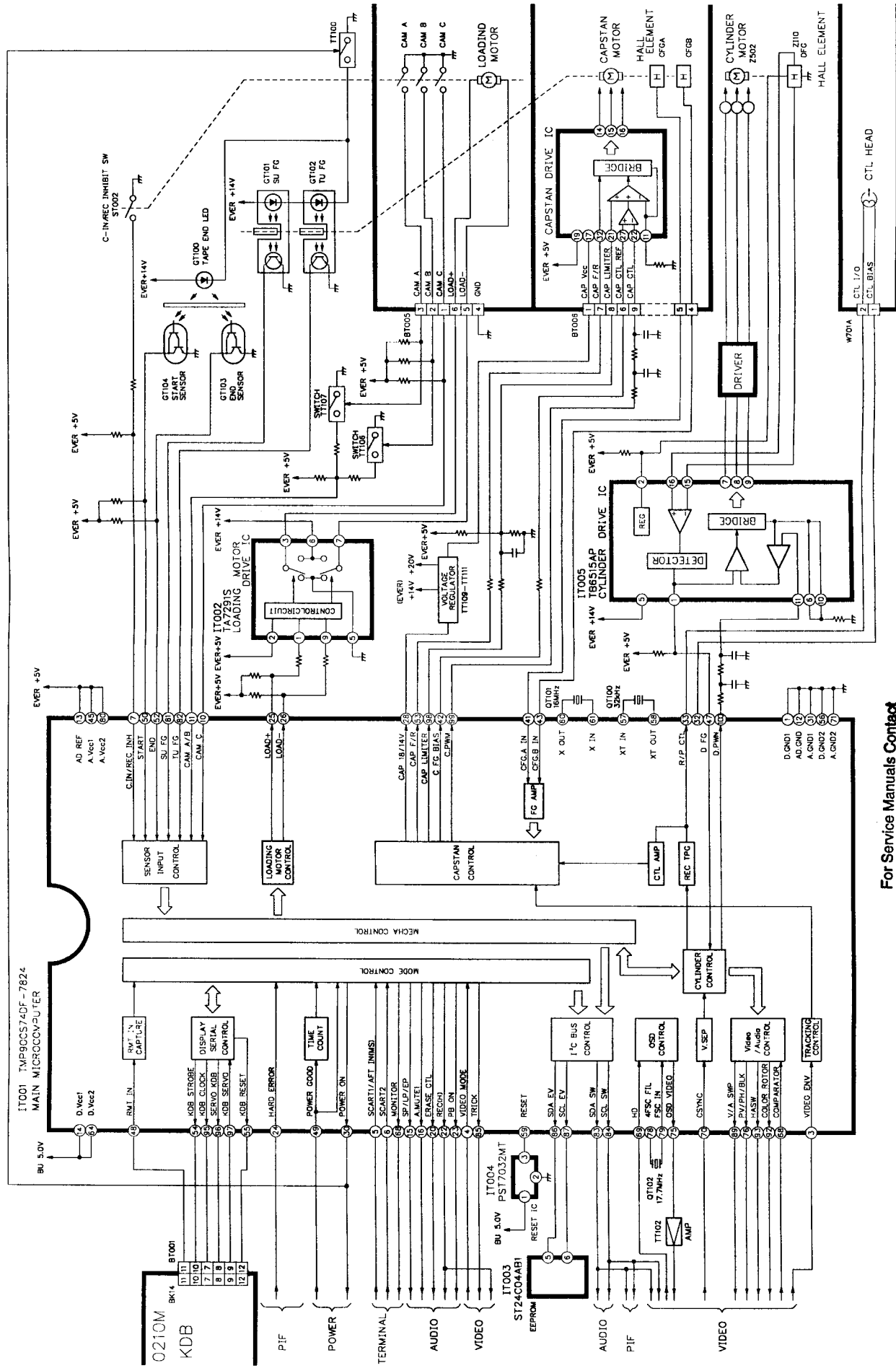
7-3-2. Key Display GX01 6-MT-255GNK



7-3-3. Display Pattern

	6G	5G	4G	3G	2G	1G
P1	⌚	1d	VPS	1d	2G	1G
P2	☉	1e	MIX	1e	1e	1e
P3	☼	1c	AGE	1c	1c	1c
P4	●	1g	PDC	1g	1g	1g
P5	P	1f	☐	1f	1f	1f
P6	L	1b		1b	1b	1b
P7	S	1a	☐	1a	1a	1a
P8	📺	VIDEO	TR	H	M	S
P9	B5	2d		2d	2d	2d
P10	B4	2e		2e	2e	2e
P11	B3	2c		2c	2c	2c
P12	B2	2g		2g	2g	2g
P13	B1	2f		2f	2f	2f
P14	C+	2b		2b	2b	2b
P15	SAT	2a		2a	2a	2a
P16	DT	P		col.	MONI	

7-4. Servo / Logic Block Diagram



























3-17

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

3-18



7-4-2. Main Microcomputer Output Polarity

Pin No.	MODE Pin Name	Act.	SLOT IN	SLOT OUT	Load -ing	Un- load -ing
16	A. MUTE1	H	L	L	L	L
25	LOAD FWD	L	L	H	L	H
26	LOAD REV	L	H	L	H	L
30	POWER ON	H	H	H	H	H
33	R/P CTL		-	-	-	-
46	CTL OUT		L	L	L	L
53	CAP F/R	-	L	H	L	H
54	DSP STB			←	←	←
67	S DATA			←	←	←
76	PV/PH/BLNK	4ST	2ST	←	←	←
83	I2C DATA1			←	←	←
84	I2C CLOCK1			←	←	←
86	I2C DATA2			←	←	←
87	I2C CLOCK2			←	←	←
88	S CLK			←	←	←
89	D-FF			←	←	←
91	LP SEARCH	L	H	H	H	H
92	CR			←	←	←
95	DSP CLK			←	←	←
96	DATA M→DSP			←	←	←
98	CAP LIMITER	PWM	L	L	PWM	←
99	C-ERR	PWM	PWM	PWM	PWM	←
100	D-ERR	PWM	L	L	PWM	←

7-4-3. Logic Mode Shift Table

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

MODE \ KEY	POWER	STOP	FF	REW
POWER OFF	ON	×	×	×
STOP	OFF	—	○	○
FF	OFF	○	CUE	○
REW	OFF	○	○	REV
CUE	OFF	○	※1	REV
REV	OFF	○	CUE	※2
PLAY	OFF	○	CUE	REV
STILL	OFF	○	CUE	REV
SLOW	OFF	○	CUE	REV
REC	OFF	○	×	×
REC PAUSE	OFF	○	×	×
VISS MARK	OFF	○	×	×
TIMER STBY	ON	×	×	×
TIMER REC	ON	×	×	×

※1: If pressed within 1 second, FF.
※2: If pressed within 1 second, REW.

MODE Pin Name	Act.	SLOT IN	SLOT OUT	Load -ing	Un- load -ing	STOP	STAN D-BY	FF	REW	PLAY SP LP	X2 SP LP	CUE SP LP	REV SP LP	STILL SP LP	SLOW SP LP	REC SP LP	REC PAUSE SP LP	P
A. MUTE1	H	L	L	L	L	L	L	L	L	L	H	H	H	H	H	L	L	
LOAD FWD	L	L	H	L	H	H	H	H	H	H	H	H	H	H	H	H	H	
LOAD REV	L	H	L	H	L	H	H	H	H	H	H	H	H	H	H	H	H	
POWER ON	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	
R/P CTL		-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	
CTL OUT		L	L	L	L	L	L		←	←	←	←	←	L			L	
CAP F/R	-	L	H	L	H	H	H	L	H	L	L	L	H	L		L	L	
DSP STB			←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	
S DATA			←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	
PV/PH/BLNK	4ST	2ST	←	←	←	←	←	←	←	4ST	←	←	←	←	←	←	←	
I2C DATA1			←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	
I2C CLOCK1			←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	
I2C DATA2			←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	
I2C CLOCK2			←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	
S CLK			←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	
D-FF			←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	01
LP SEARCH	L	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	
CR			←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	
DSP CLK			←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	
DATA M→DSP			←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	
CAP LIMITER	PWM	L	L	PWM	←	L	PWM	←	←	←	←	←	←	L	PWM	←	←	
C-ERR	PWM	PWM	PWM	PWM	←	L	L	PWM	←	←	←	←	←	L	PWM	←	L	
D-ERR	PWM	L	L	PWM	←	L	PWM	←	←	←	←	←	←	←	←	←	←	

KEY	POWER	STOP	FF	REW	PLAY	PAUSE	SLOW	REC	EJECT	REMAIN COUNT/TIMER	INDEX	COUNTER RESET
R OFF	ON	×	×	×	×	×	×	×	○	×	×	×
	OFF	—	○	○	○	×	×	○	○	○	SERCH	○
	OFF	○	CUE	○	○	×	×	×	○	○	×	○
	OFF	○	○	REV	○	×	×	×	○	○	×	○
	OFF	○	※1	REV	○	×	×	×	○	○	×	○
	OFF	○	CUE	※2	○	×	×	×	○	○	×	○
	OFF	○	CUE	REV	×	STILL	○	×	○	○	SERCH	○
L	OFF	○	CUE	REV	FRAME ADV.	PLAY	FRAME ADV.	R. PAUSE	○	○	×	○
	OFF	○	CUE	REV	○	STILL	○	×	○	○	×	○
	OFF	○	×	×	×	R. PAUSE	×	—	×	○	V. MARK	○
PAUSE	OFF	○	×	×	×	REC	×	×	×	○	×	○
MARK	OFF	○	×	×	×	×	×	×	×	×	—	○
R STBY	ON	×	×	×	×	×	×	×	×	×	×	×
R REC	ON	×	×	×	×	×	×	×	×	○	V. MARK	○

If pressed within 1 second, FF. If not, all CUE.

If pressed within 1 second, REW. If not, all REVIEW.

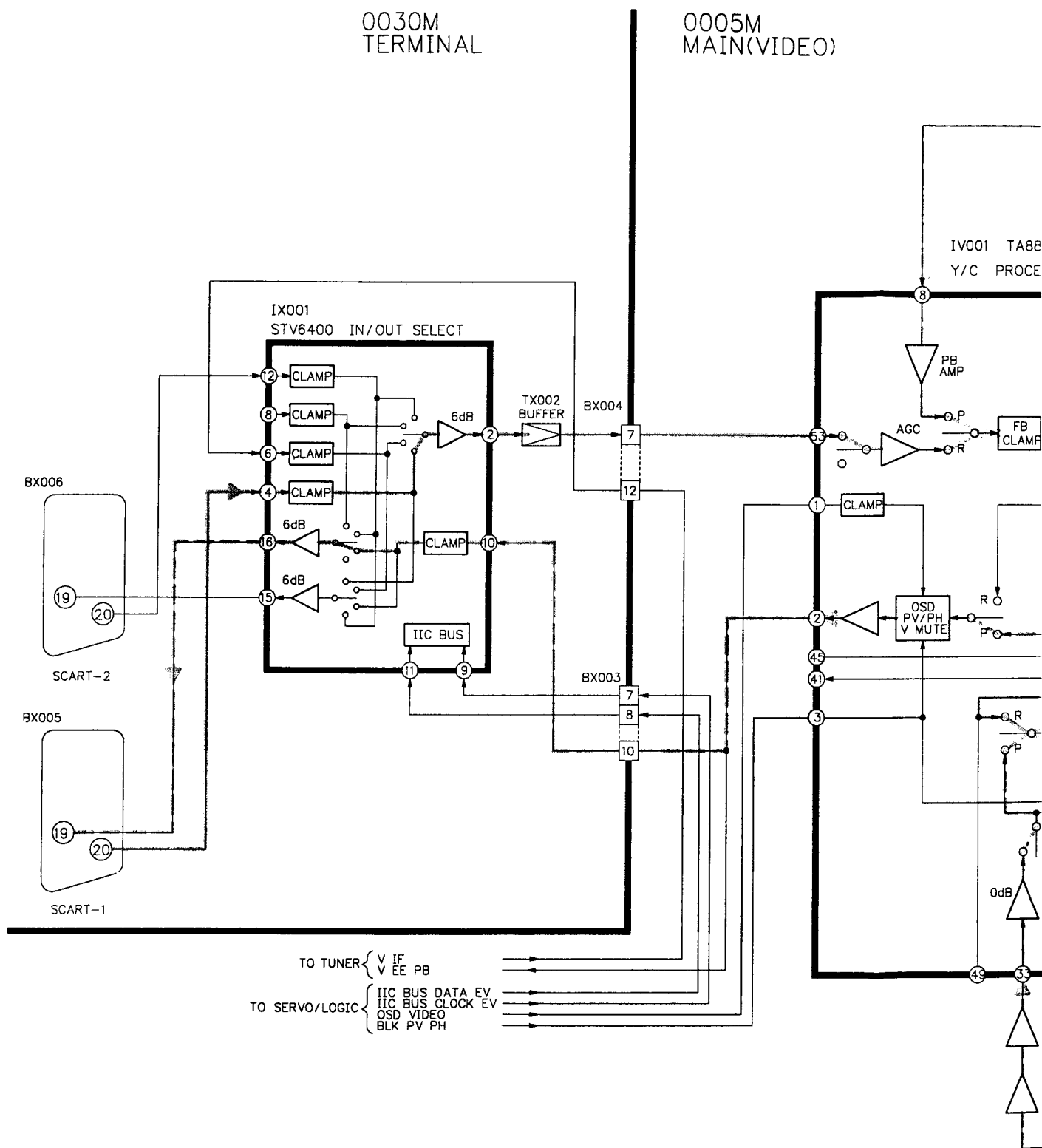
X2 P LP	CUE SP LP	REV SP LP	STILL SP LP	SLOW SP LP	REC SP LP	REC PAUSE SP LP	POWER OFF	INIT -IAL
H	H	H	H	H	L	L	H	H
H	H	H	H	H	H	H	H	H
H	H	H	H	H	H	H	H	H
H	H	H	H	H	H	H	L	L
-	-	-	-	-	Π	-	-	OPEN
←	←	←	L	Π	Π	L	L	L
L	L	H	L	Π	L	L	H	L
←	←	←	←	←	←	←	←	L
←	←	←	←	←	←	←	←	L
←	←	←	←	←	←	←	L	4ST
←	←	←	←	←	←	←	←	H
←	←	←	←	←	←	←	←	H
←	←	←	←	←	←	←	←	H
←	←	←	←	←	←	←	←	H
←	←	←	←	←	←	←	←	L
←	←	←	←	←	←	←	OPEN	OPEN
H	H	H	H	H	H	H	H	L
←	←	←	←	←	←	←	L	L
←	←	←	←	←	←	←	←	L
←	←	←	←	←	←	←	←	L
←	←	←	L	PWM	←	←	L	500m
←	←	←	L	PWM	←	L	L	L
←	←	←	←	←	←	←	L	L

	REC	EJECT	REMAIN COUNT/TIMER	INDEX	COUNTER RESET	TAPE	
						END	START
	×	○	×	×	×	×	×
	○	○	○	SERCH	○	S. REW	S. FF
	×	○	○	×	○	STOP	×
	×	○	○	×	○	×	STOP
	×	○	○	×	○	REW	×
	×	○	○	×	○	×	STOP
	×	○	○	SERCH	○	REW	×
	R. PAUSE	○	○	×	○	REW	×
	×	○	○	×	○	REW	×
	-	×	○	V. MARK	○	REW	×
	×	×	○	×	○	×	×
	×	×	×	-	○	REW	×
	×	×	×	×	×	×	×
	×	×	○	V. MARK	○	STBY	×

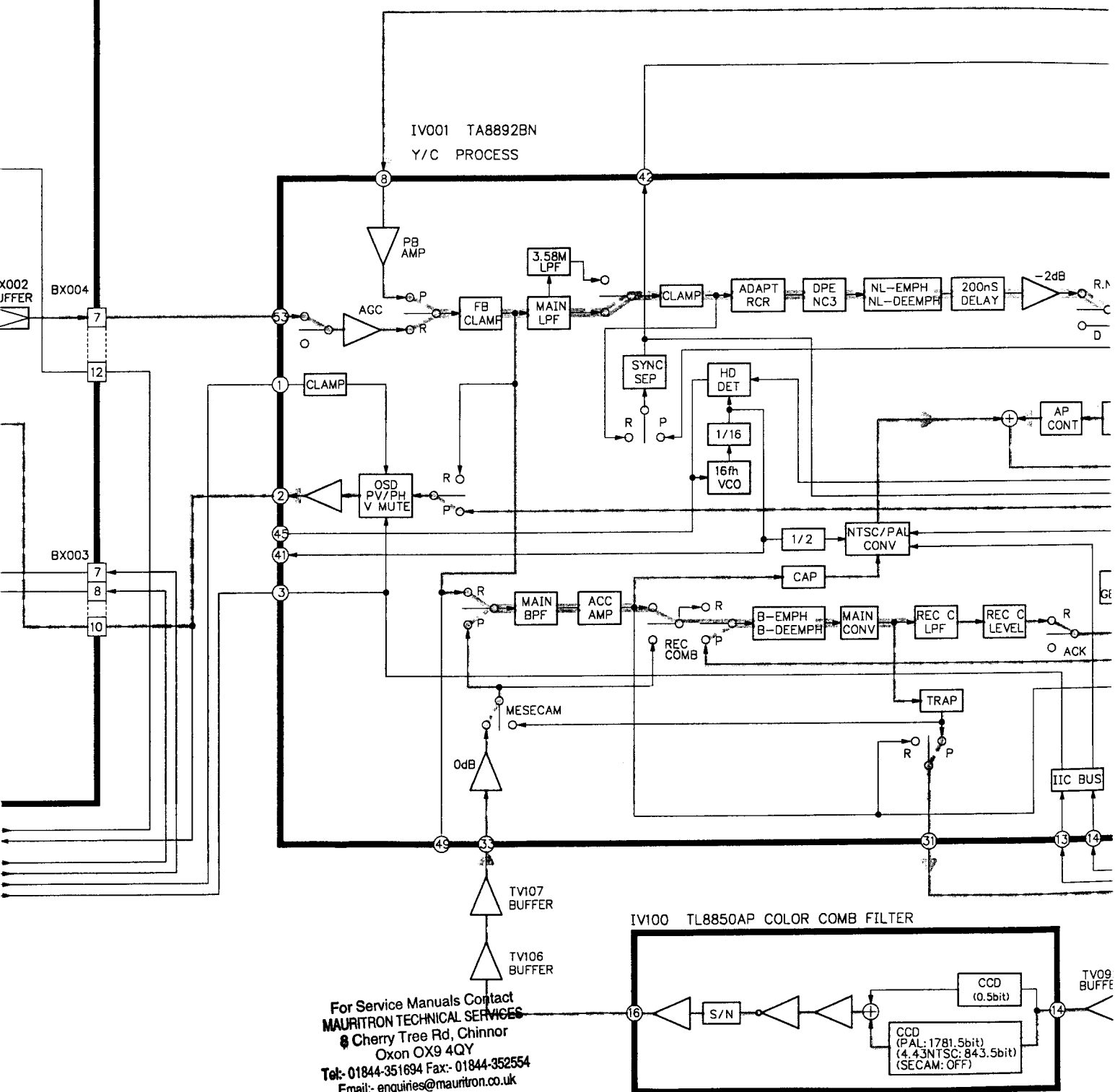
For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
8 Cherry Tree Rd, Chinnor
Oxon OX9 4QY
Tel:- 01844-351694 Fax:- 01844-352554
Email:- enquiries@mauritron.co.uk

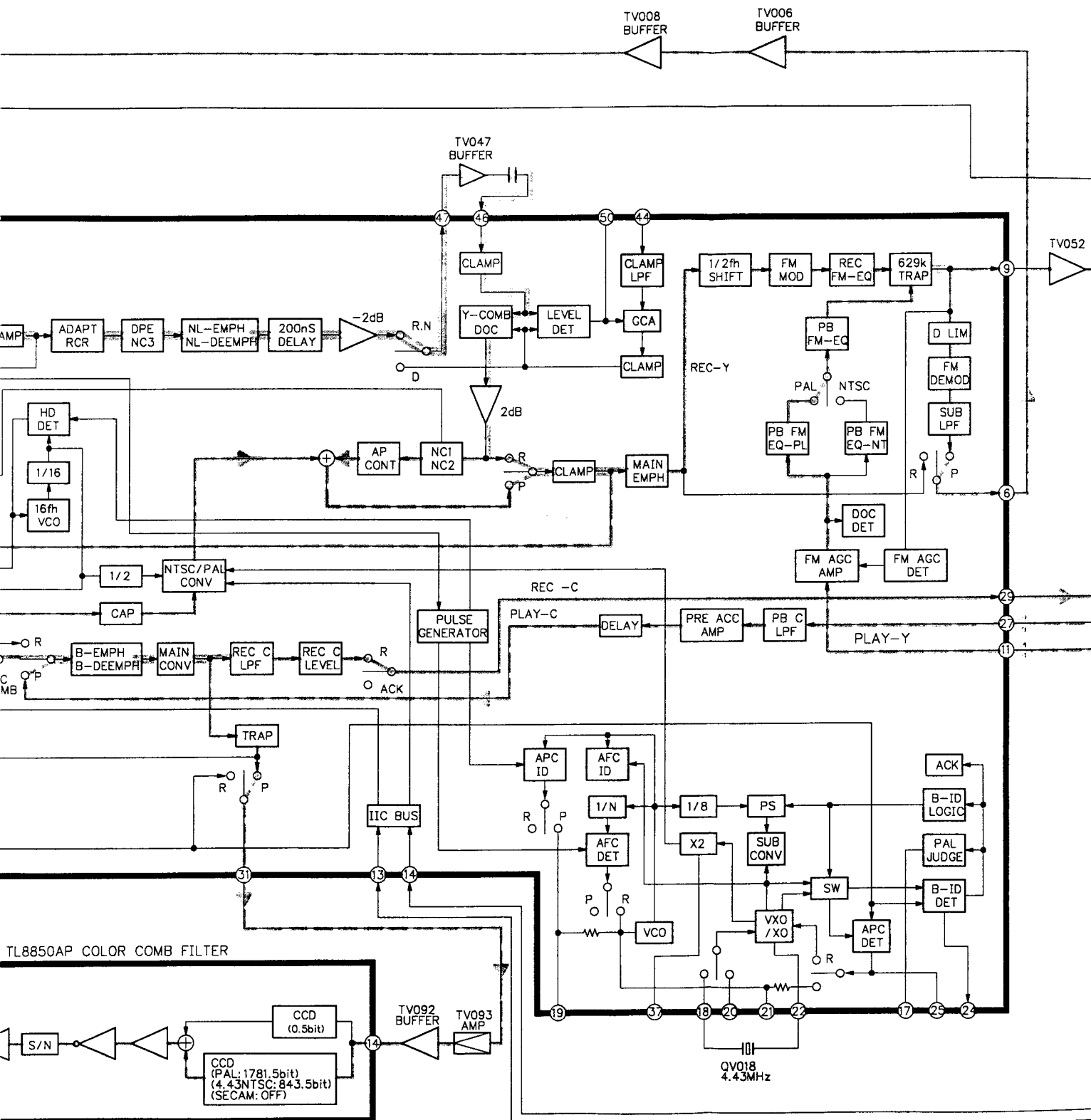
For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
8 Cherry Tree Rd, Chinnor
Oxon OX9 4QY
Tel:- 01844-351694 Fax:- 01844-352554
Email:- enquiries@mauritron.co.uk

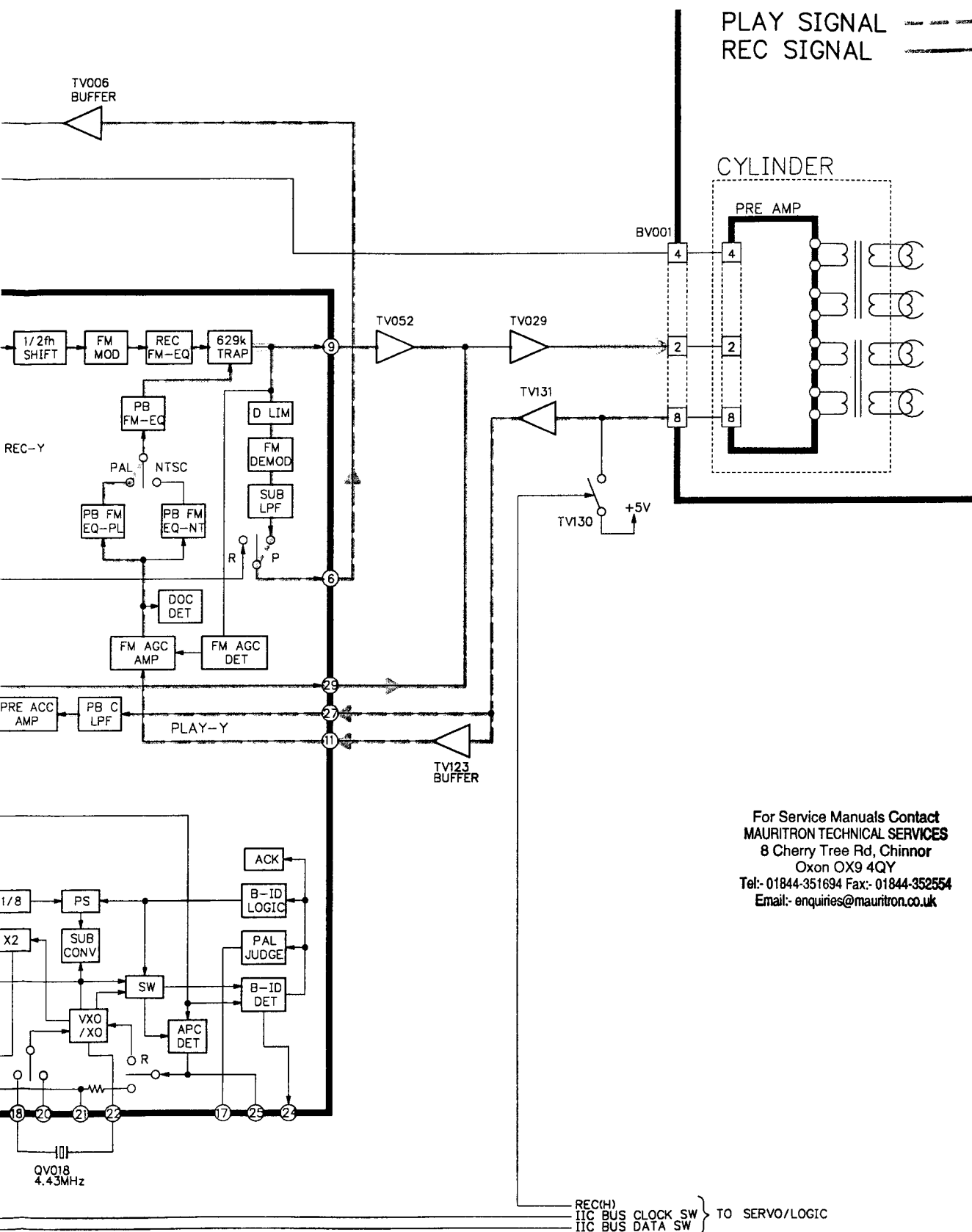
7-5. Video Block Diagram



0005M MAIN(VIDEO)

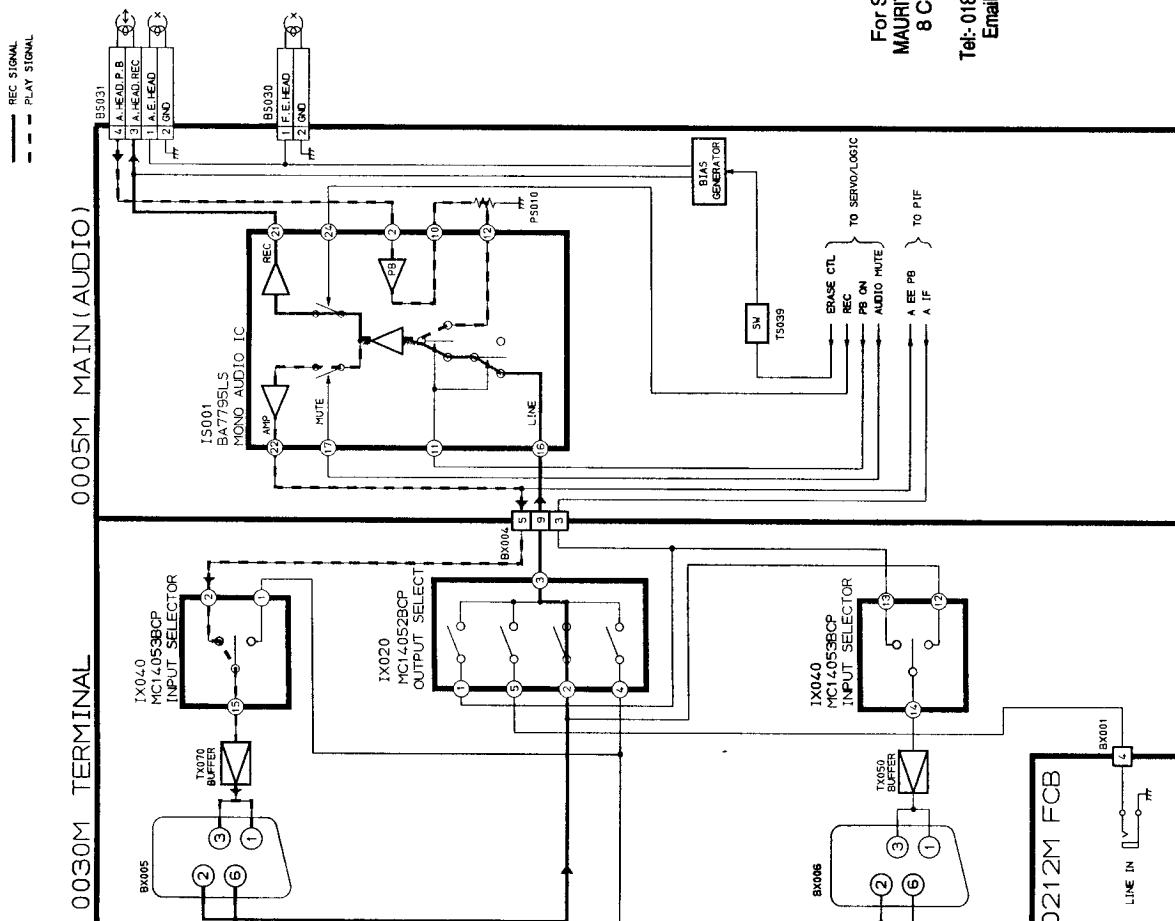






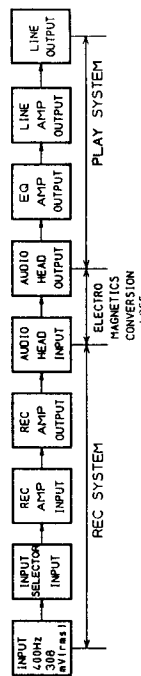
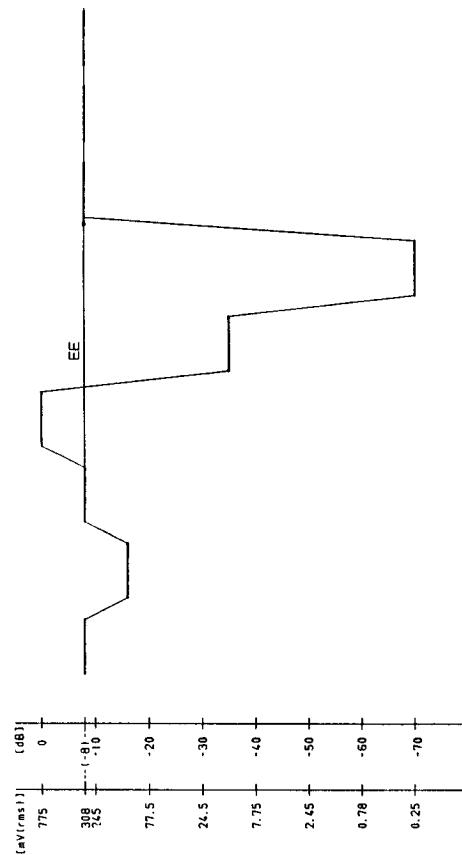
For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
8 Cherry Tree Rd, Chinnor
Oxon OX9 4QY
Tel:- 01844-351694 Fax:- 01844-352554
Email:- enquiries@mauritron.co.uk

7-6. AudioBlock Diagram



3-27

7-6-1. Conventional Audio Level Chart



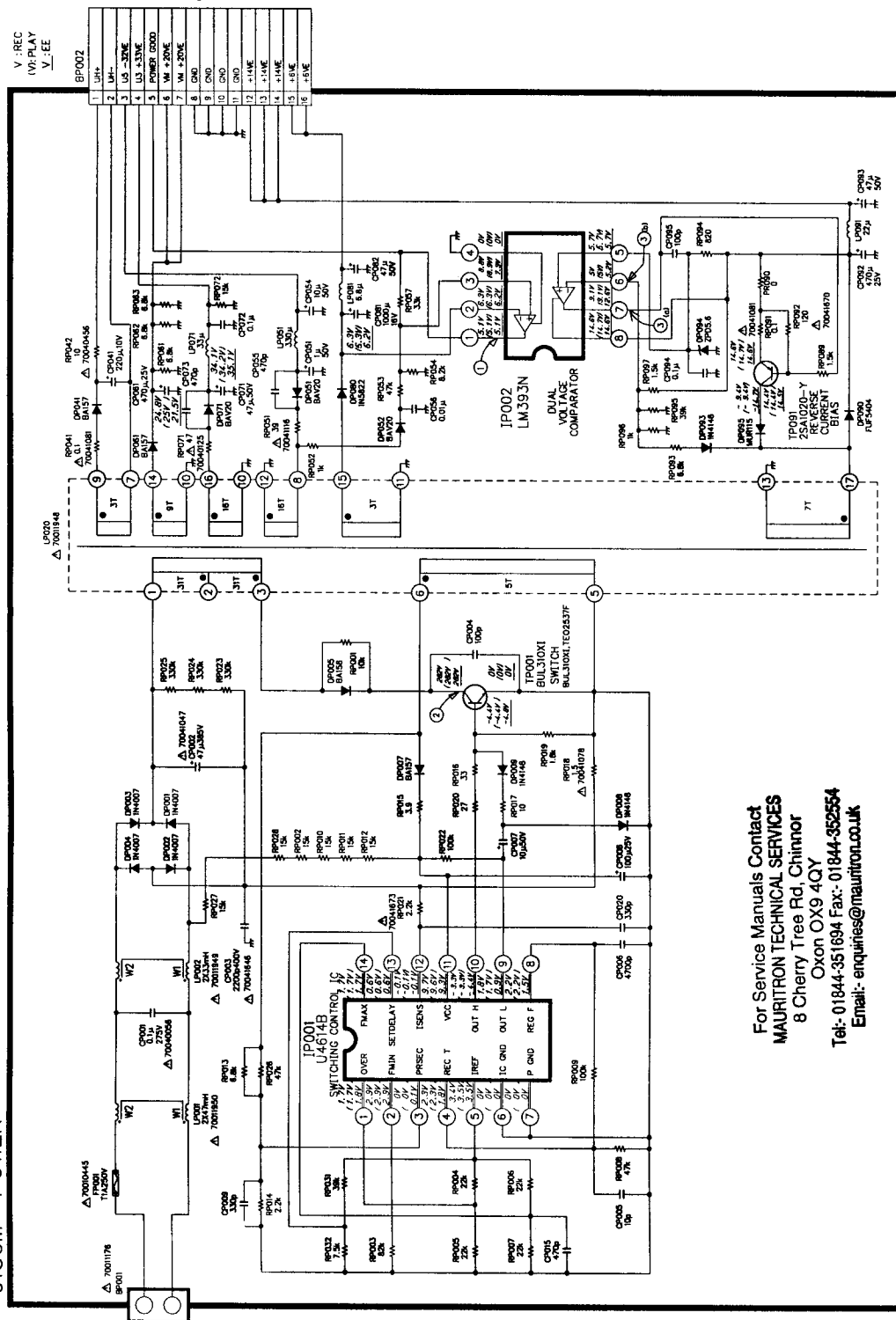
For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
 8 Cherry Tree Rd, Chinnor
 Oxon OX9 4QY
 Tel: 01844-351694 Fax: 01844-352554
 Email: enquiries@mauritron.co.uk

3-28

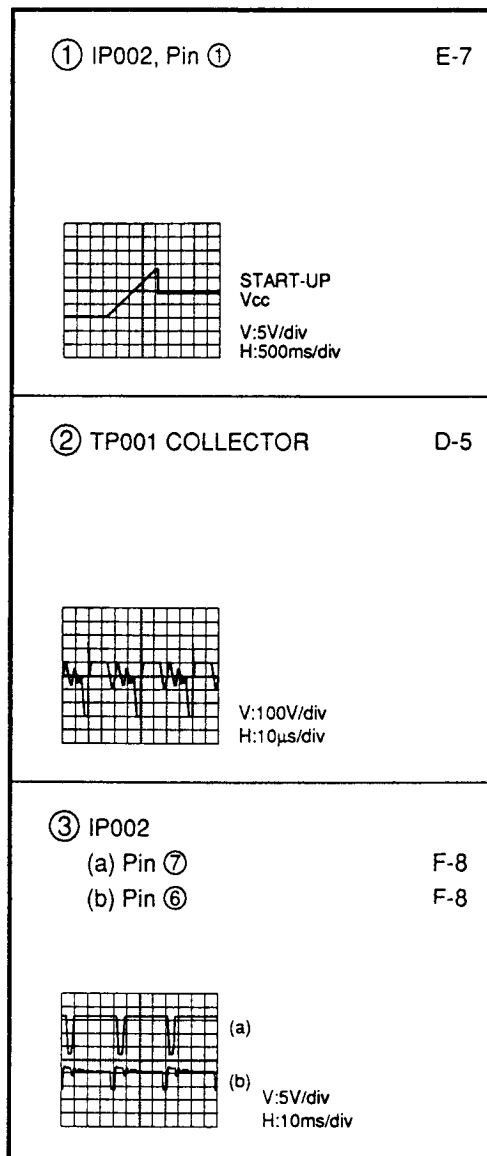
8. CIRCUIT DIAGRAMS

8-1. Power Circuit Diagram

0150M POWER

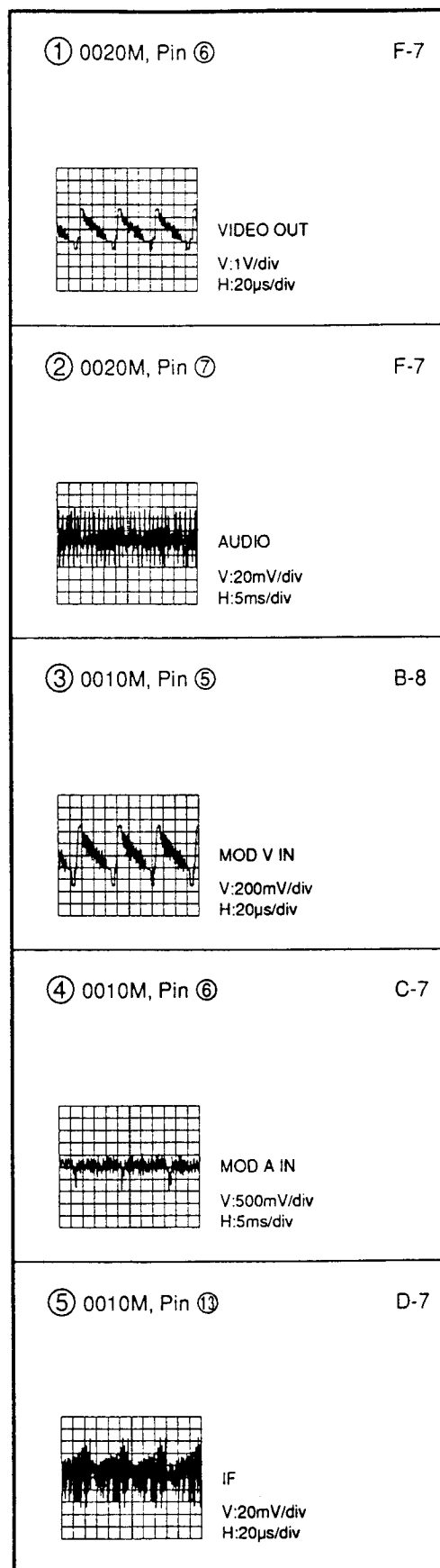


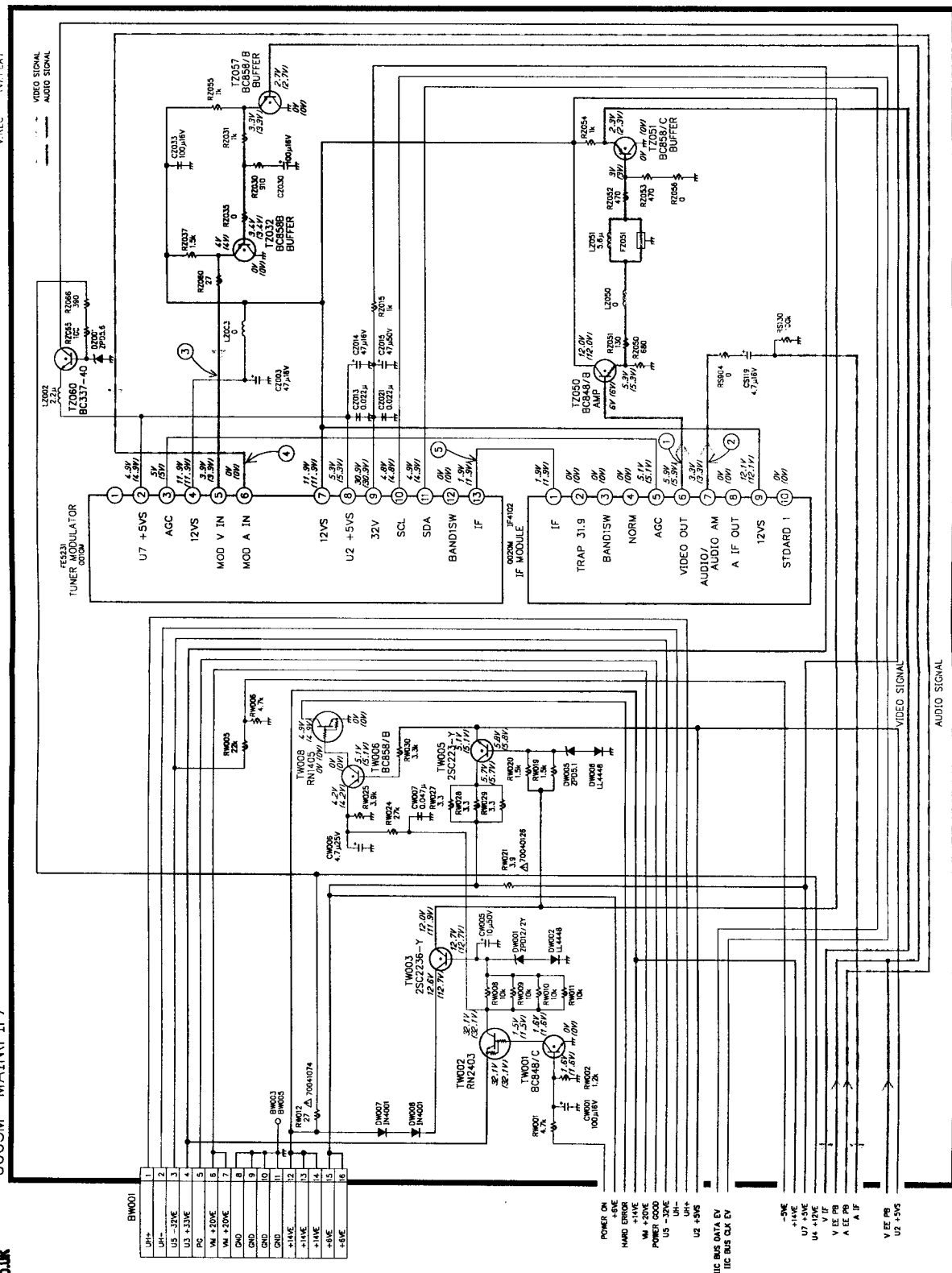
For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
8 Cherry Tree Rd. Chinnor
Oxon OX9 4QY
Tel: 01844-351694 Fax: 01844-352554
Email: enquiries@mauratron.co.uk



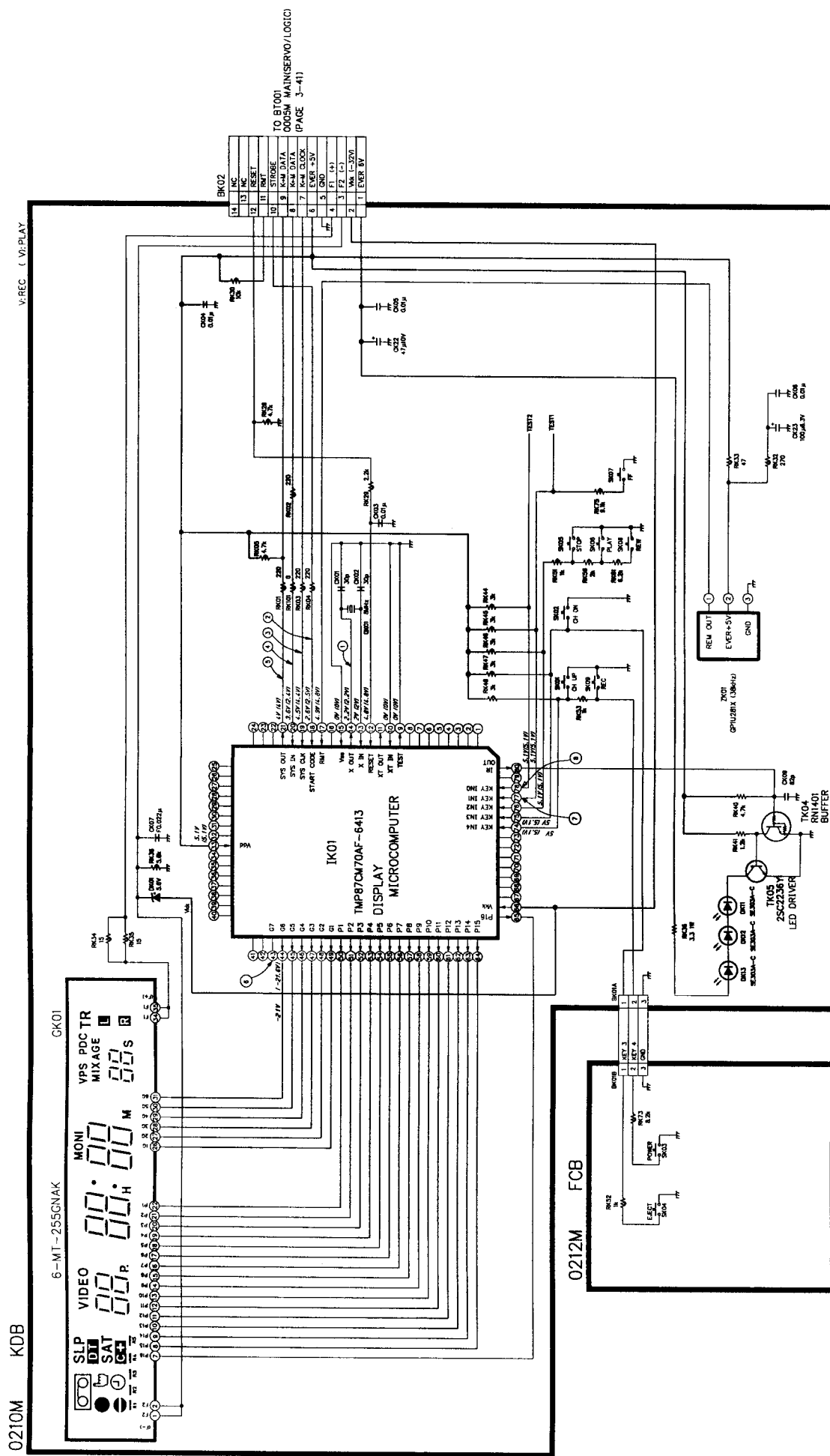
For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
8 Cherry Tree Rd, Chinnor
Oxon OX9 4QY
Tel:- 01844-351694 Fax:- 01844-352554
Email:- enquiries@mauritron.co.uk

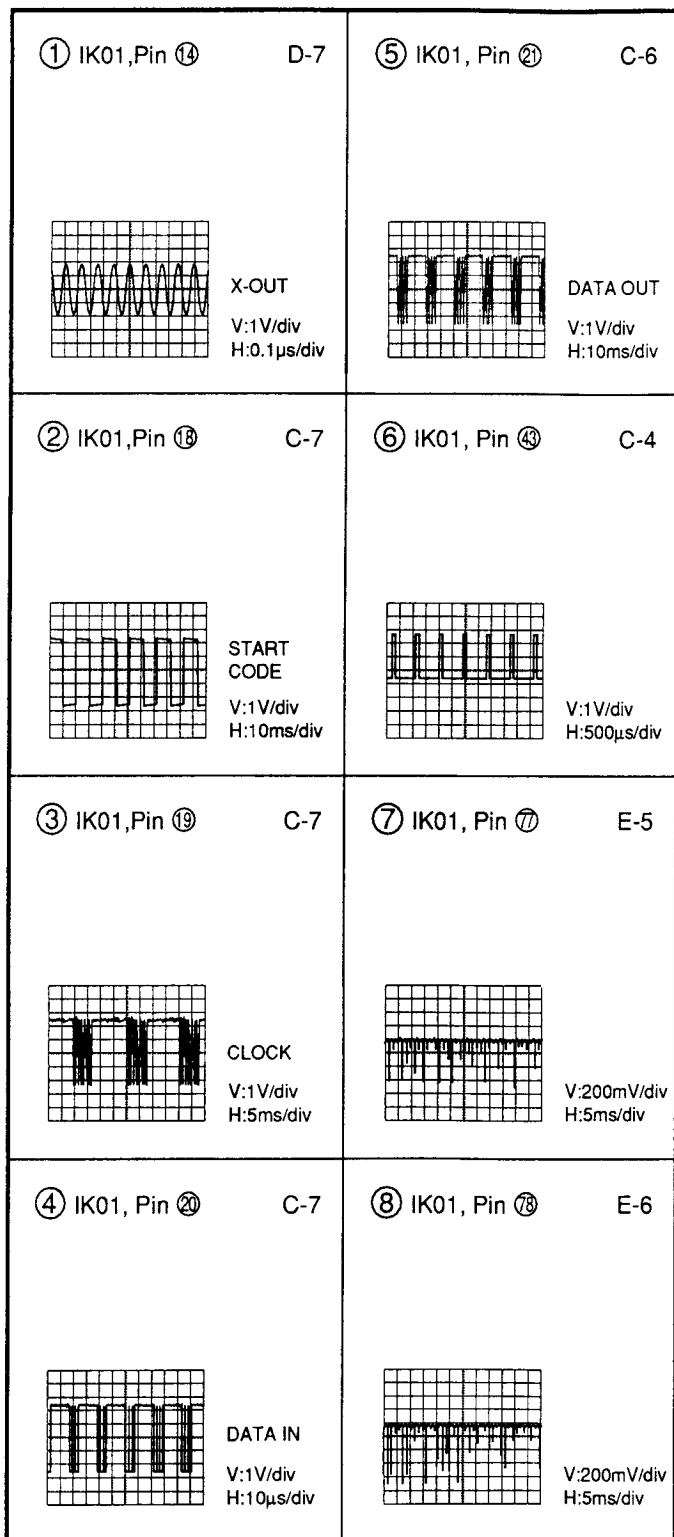
8-2. PIF Circuit Diagram





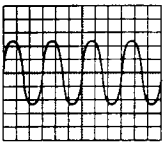
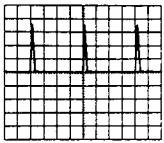
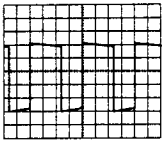
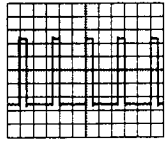
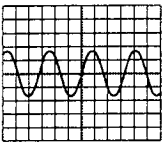
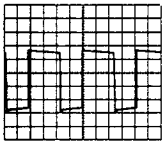
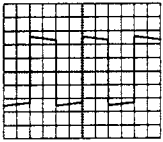
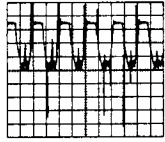
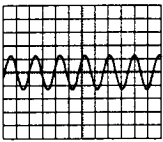
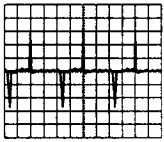
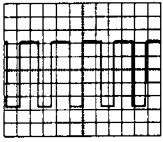
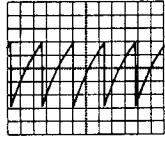
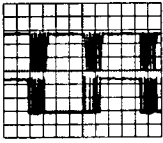
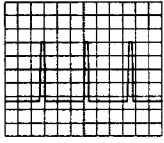
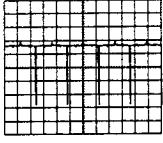
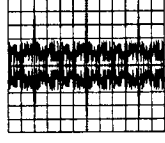
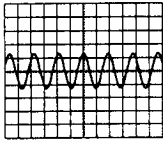
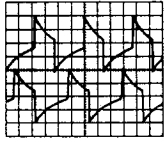
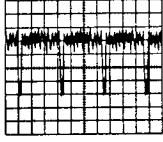
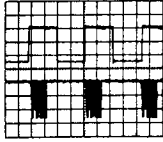
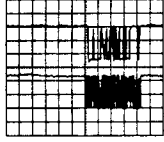
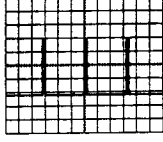
8-3. KDB Circuit Diagram





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

8-4. Servo/ Logic Circuit Diagram

<p>① IT001, Pin ⑤⑧ E-10</p>  <p>XT-OUT V:1V/div H:10μs/div</p>	<p>⑦ IT001, Pin ⑦⑥ B-10</p>  <p>PV/PH/BLK STILL V:1V/div H:5ms/div</p>	<p>⑬ IT001, Pin ④⑥ F-9</p>  <p>CTL OUT V:1V/div H:10ms/div</p>	<p>⑲ IT005, Pin ① D-4</p>  <p>FoOUT V:1V/div H:2ms/div</p>
<p>② IT001, Pin ⑥⑩ E-10</p>  <p>X-OUT V:1V/div H:0.02μs/div</p>	<p>⑧ IT001, Pin ③③ F-7</p>  <p>R/P CTL (REC) V:1V/div H:10ms/div</p>	<p>⑭ IT001, Pin ②② B-8</p>  <p>CR (SP) V:1V/div H:10ms/div</p>	<p>⑳ IT005, Pin ⑦, ⑧ D-4 Pin ⑨ D-3</p>  <p>La, Lb, Lc V:2V/div H:5ms/div</p>
<p>③ IT001, Pin ④④ F-9</p>  <p>CPGB.AMP V:500mV/div H:500μs/div</p>	<p>⑨ IT001, Pin ③⑤ F-8</p>  <p>C AMP0 (SP) V:500mV/div H:10ms/div</p>	<p>⑮ IT001, Pin ③⑨, ④⑩ B-6</p>  <p>CPWM V:1V/div H:10μs/div</p>	<p>㉑ IT005, Pin ①④ D-3</p>  <p>V:1V/div H:50ms/div</p>
<p>④ IT001 (a) Pin ⑤⑤ (SCLK0) B-7 (b) Pin ⑤⑥ (SDA OUT) B-7</p>  <p>(a) (b) V:2V/div H:5ms/div</p>	<p>⑩ IT001, Pin ⑦⑩ C-10</p>  <p>CSYNC V:1V/div H:20μs/div</p>	<p>⑯ IT001, Pin ③⑥ B-7</p>  <p>CAP V:500mV/div H:20μs/div</p>	<p>㉒ IT005 (a) Pin ①⑤ (H-) D-3 (b) Pin ①⑥ (H+) D-3</p>  <p>(a) (b) V:100mV/div H:10ms/div</p>
<p>⑤ IT001, Pin ④⑩ F-8</p>  <p>CPGA.AMP V:200mV/div H:500μs/div</p>	<p>⑪ IT001 (a) Pin ⑧① (SU FG) B-9 (b) Pin ⑧② (TU FG) B-9</p>  <p>(a) (b) V:2V/div H:200ms/div</p>	<p>⑰ IT001, Pin ⑦⑤ C-10</p>  <p>OSD VIDEO V:50mV/div H:20μs/div</p>	<p>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</p>
<p>⑥ IT001 (a) Pin ⑤④ (STB) E-10 (b) Pin ⑤⑦ (SDA IN) B-7</p>  <p>(a) (b) V:2V/div H:5ms/div</p>	<p>⑫ IT001 (a) Pin ⑧③ (SDA1) B-9 (b) Pin ⑧④ (SCL1) B-9</p>  <p>(a) (b) V:2V/div H:200μs/div</p>	<p>⑱ IT001, Pin ⑥⑨ D-10</p>  <p>HD IN V:1V/div H:20μs/div</p>	

0005M MAIN(SERVO/LOGIC)

TO VIDEO
(PAGE 3-42)TO AUDIO
(PAGE 3-49)TO PIF
(PAGE 3-33)

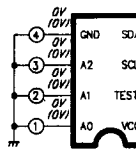
IIC BUS DATA SW
IIC BUS CLOCK SW
TRICK
DRUM FT
COLOR ROTARY
REC (H)
HA SEL

PB ON
SCART1/AFT IN/MSI
SCART2
IIC BUS DATA EV
IIC BUS CLOCK EV
ERASECTL
SP/LP/EP
AUDIO MUTE

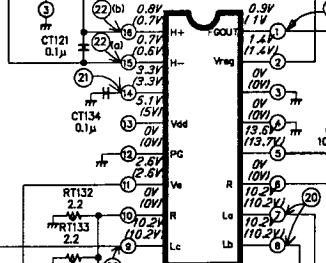
REC MUTE

IIC BUS CLOCK SW
IIC BUS DATA SW
MONITOR/S CLK/INSP1
HARD ERROR
IIC BUS DATA EV
IIC BUS CLOCK EV

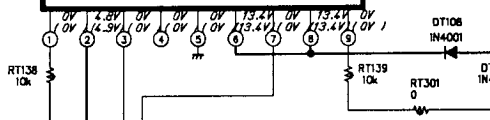
IT003
ST24C04
E PROM



IT005
TB6515AP
CYLINDER DRIVER



IT002
TA7291S
LOADING MOTOR DRIVER

TO AUDIO
(PAGE 3-49)

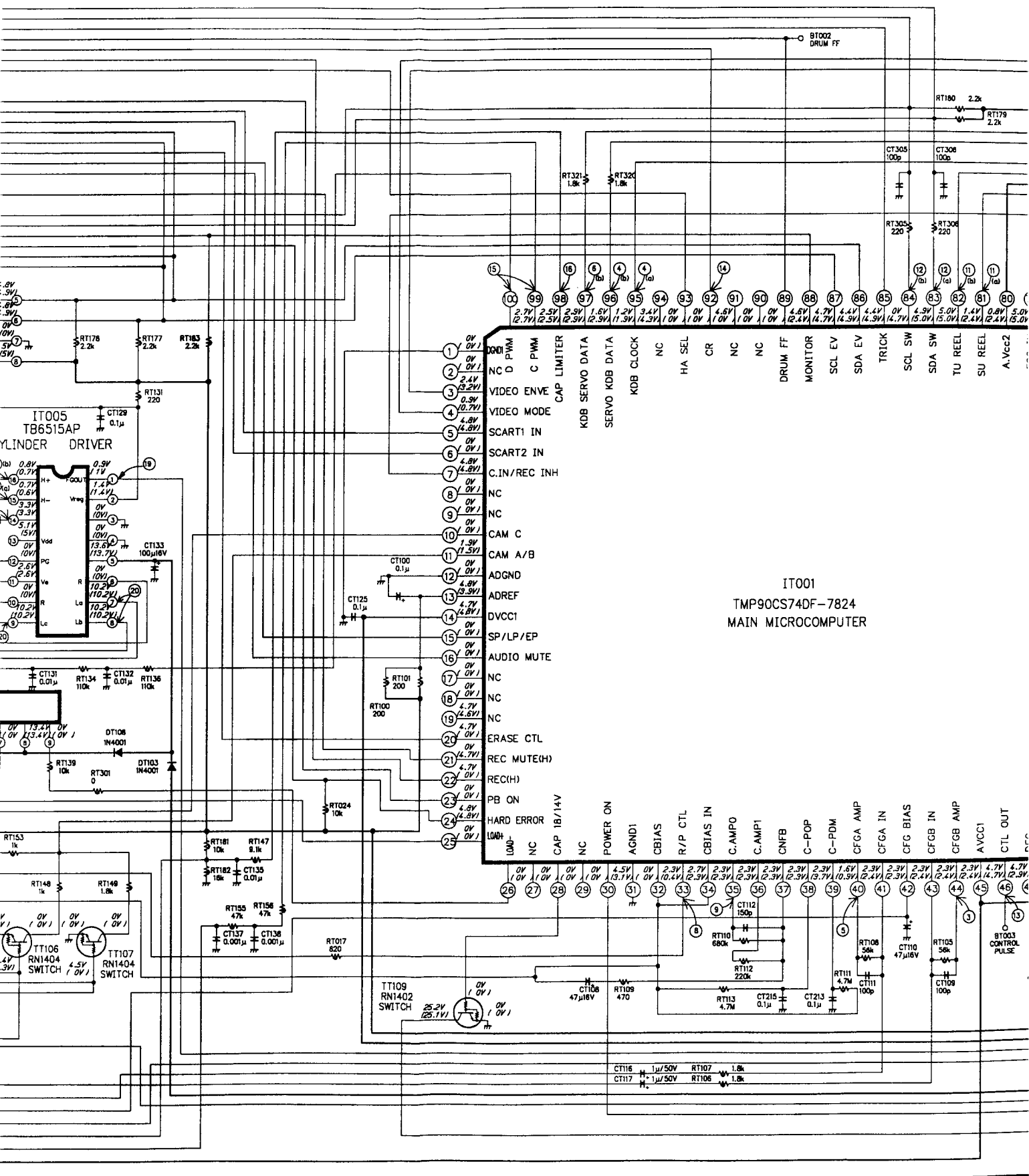
C.BIAS

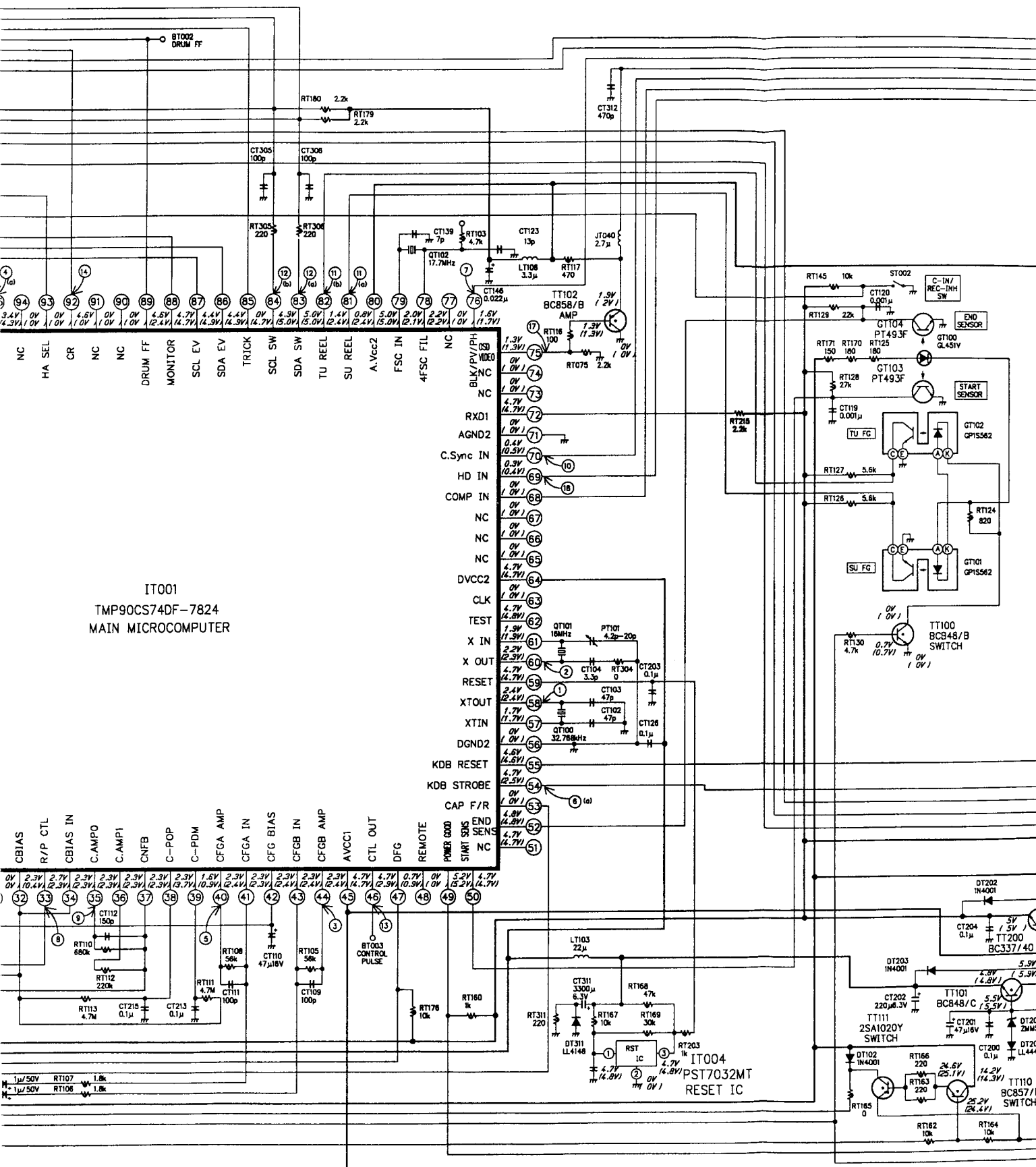
CTL I/O
C.BIAS

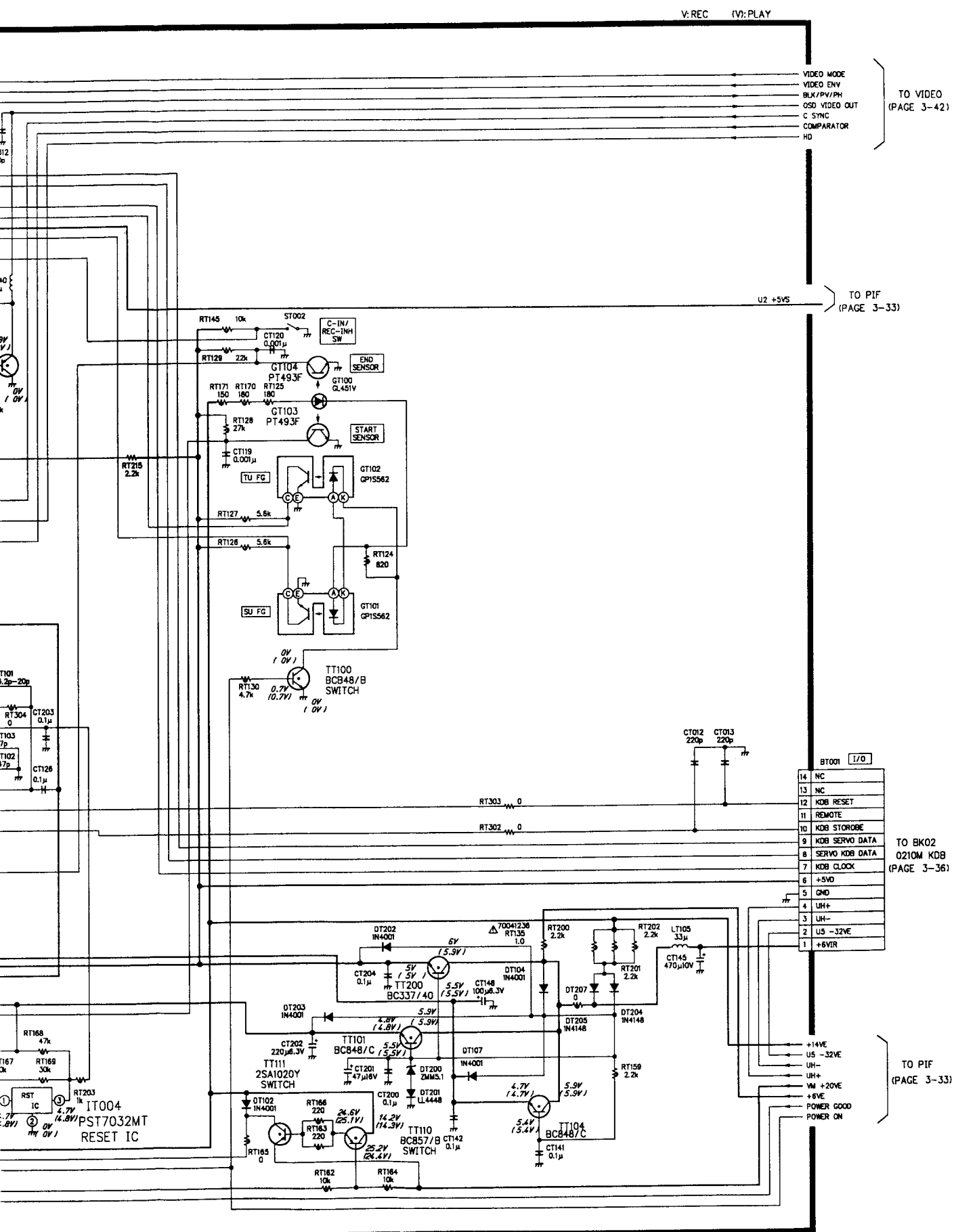
BT005
CAM C
CAM B
CAM A
GND
LOUTB
LOUTA

BT006
CAP VCC
MOTOR GND
GND
FGB
FCA
CAP REF
CAP F/R
LIMITER
CAP ERR
ENSV

TO CAPSTAN MOTOR



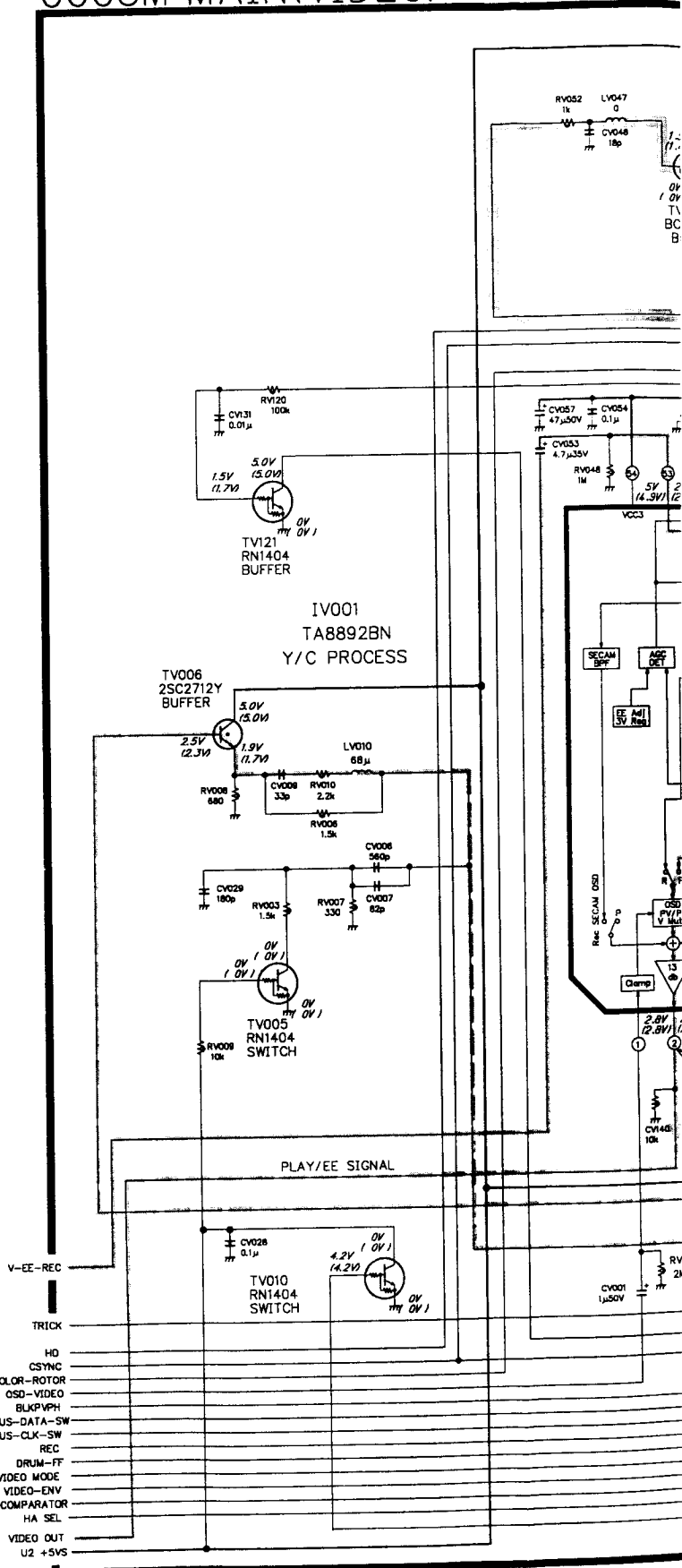




8-5. Video Circuit Diagram

0005M MAIN(VIDEO)

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

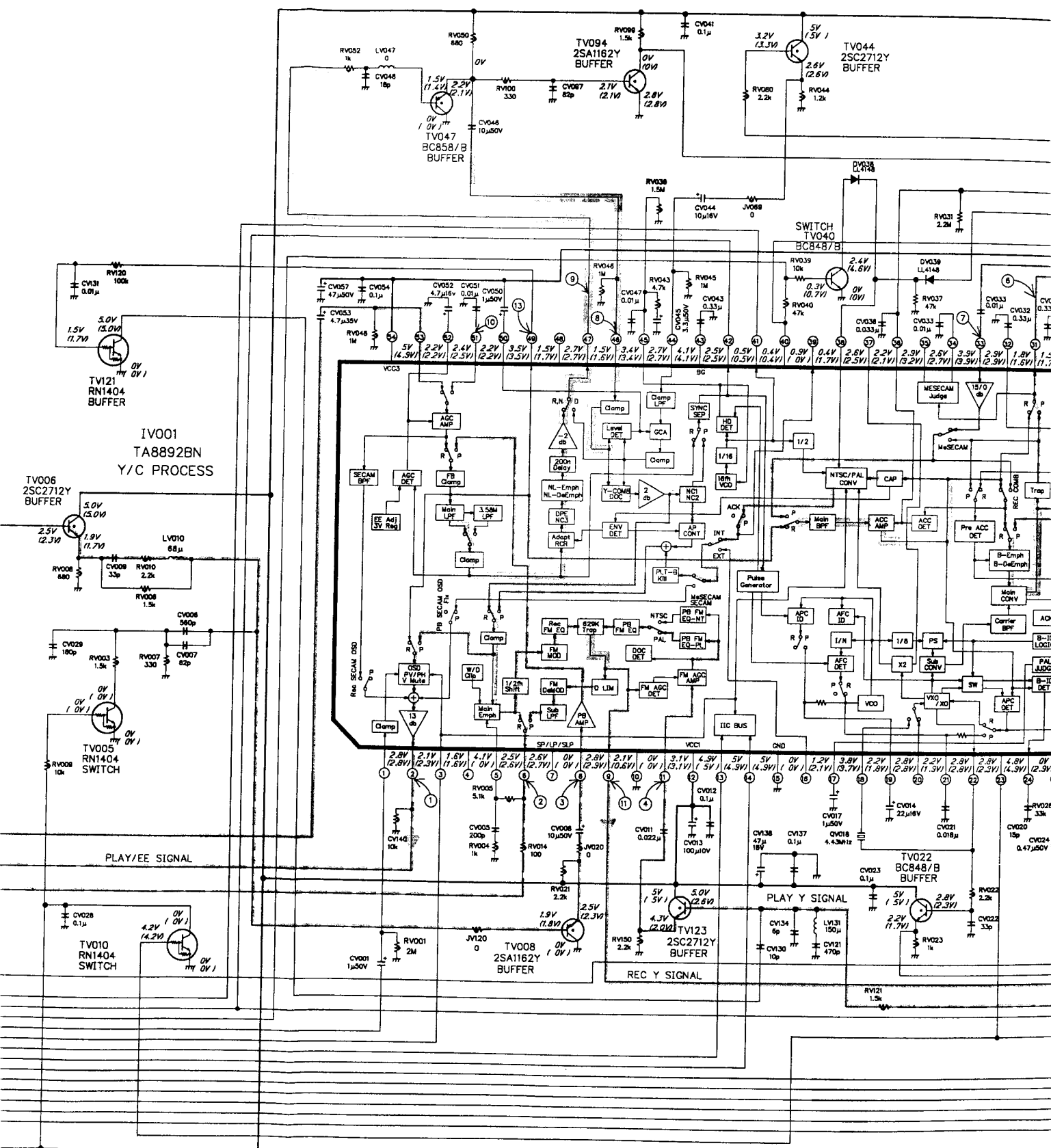


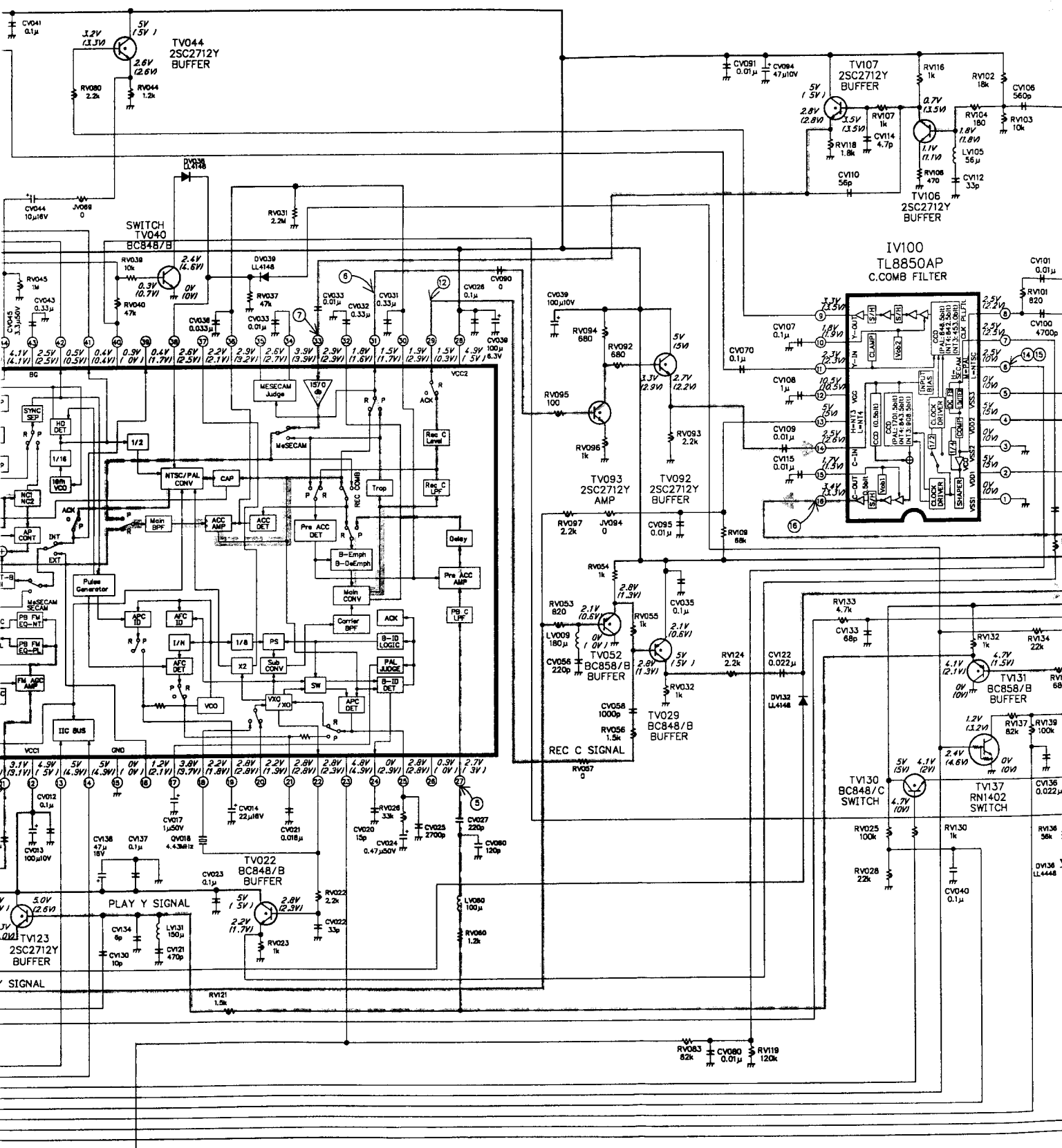
TO AUDIO
 (PAGE 3-49)

TO SERVO/LOGIC
 (PAGE 3-39,3-41)

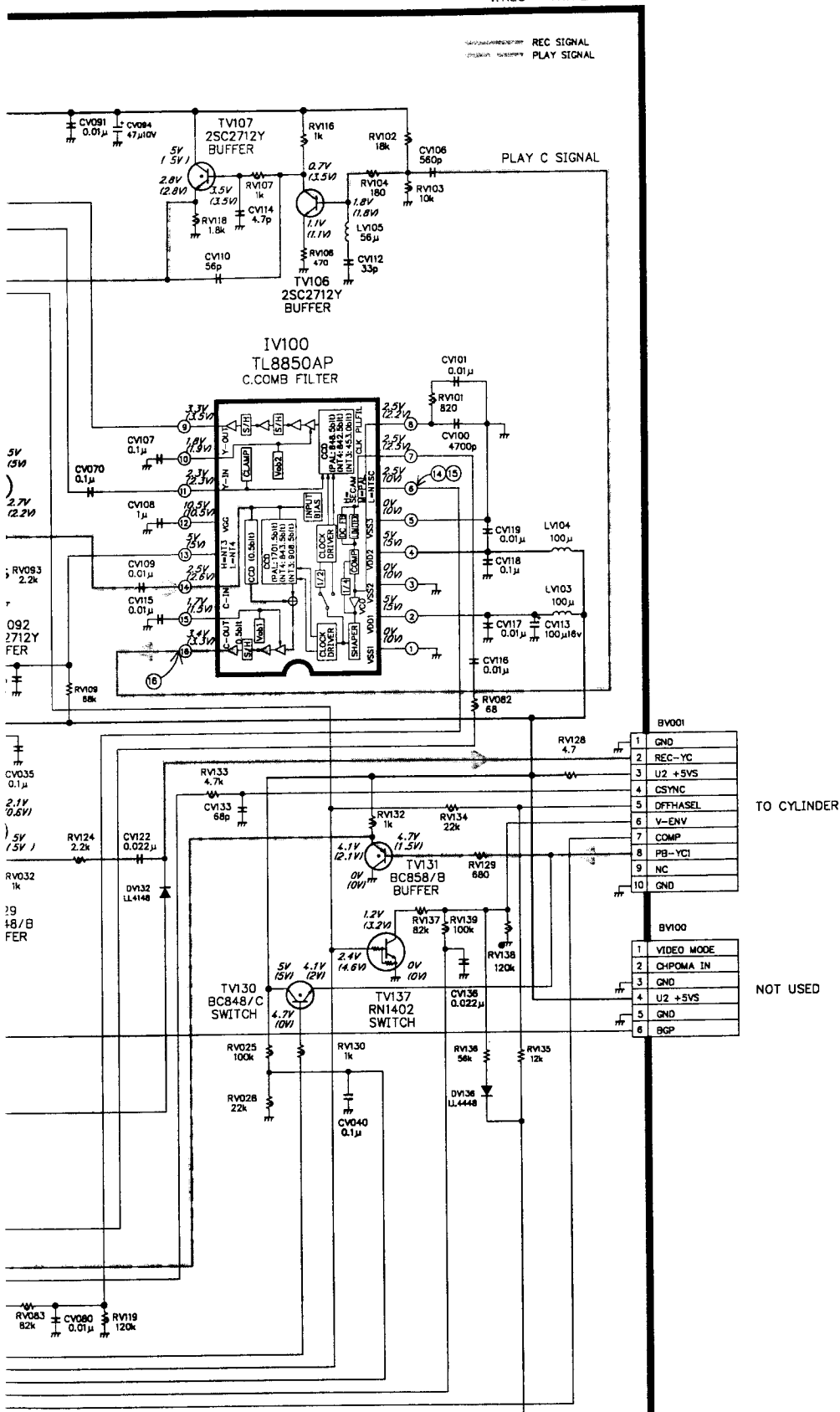
TO PIF
 (PAGE 3-33)

5M MAIN(VIDEO)

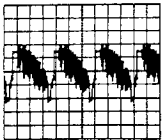
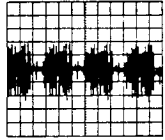
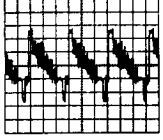
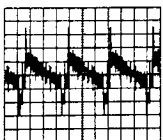
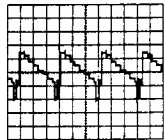
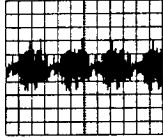
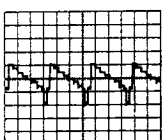
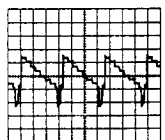
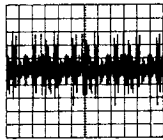
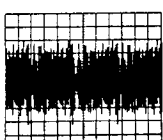
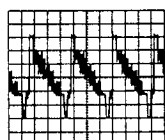
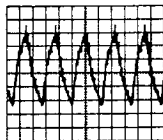
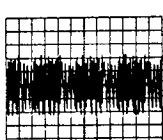
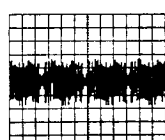
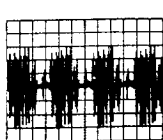
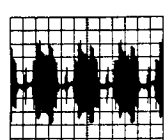




V: REC (V): PLAY



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

<p>① IV001, Pin ② F-6</p>  <p>PLAY V:500mV/div H:20µs/div</p>	<p>⑦ IV001, Pin ③ C-9</p>  <p>PLAY V:100mV/div H:20µs/div</p>	<p>⑬ IV001, Pin ④ C-6</p>  <p>REC V:100mV/div H:20µs/div</p>
<p>② IV001, Pin ⑥ F-7</p>  <p>PLAY V:100mV/div H:20µs/div</p>	<p>⑧ IV001, Pin ⑤ C-7</p>  <p>PLAY V:100mV/div H:20µs/div</p>	<p>⑭ IV100, Pin ⑥ C-13</p>  <p>PLAY V:100mV/div H:20µs/div</p>
<p>③ IV001, Pin ⑧ F-7</p>  <p>PLAY V:100mV/div H:20µs/div</p>	<p>⑨ IV001, Pin ④ C-7</p>  <p>PLAY V:200mV/div H:20µs/div</p>	<p>⑮ IV100, Pin ⑥ C-13</p>  <p>REC V:100mV/div H:20µs/div</p>
<p>④ IV001, Pin ⑪ F-7</p>  <p>PLAY V:75mV/div H:20µs/div</p>	<p>⑩ IV001, Pin ⑤ C-6</p>  <p>EE/REC V:200mV/div H:20µs/div</p>	<p>⑯ IV100, Pin ⑯ D-12</p>  <p>REC V:50mV/div H:0.1µs/div</p>
<p>⑤ IV001, Pin ② F-10</p>  <p>PLAY V:50mV/div H:20µs/div</p>	<p>⑪ IV001, Pin ③ F-7</p>  <p>REC V:200mV/div H:20µs/div</p>	<p>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</p>
<p>⑥ IV001, Pin ③ C-9</p>  <p>PLAY V:75mV/div H:20µs/div</p>	<p>⑫ IV001, Pin ② C-10</p>  <p>REC V:50mV/div H:20µs/div</p>	

8-6. Terminal Circuit Diagram

