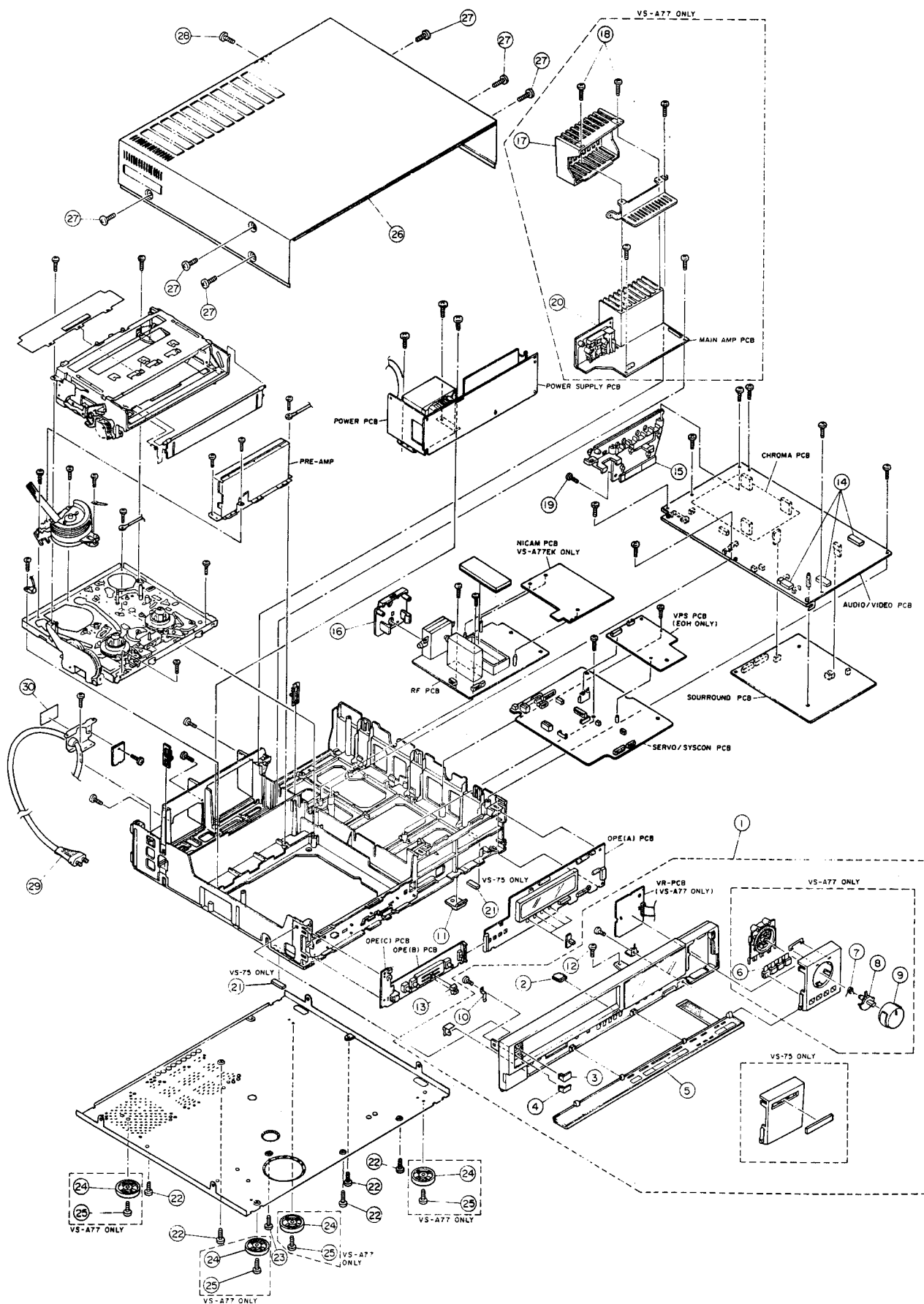


# FINAL ASSEMBLY BLOCK



## 24. FINAL ASSEMBLY BLOCK

Ref. No.	Part No.	Description
1	BD-V1086D305C	PANEL FRONT BLK VS-A77EK-B
2	SB-381334J	BUTTON T/V B
3	SB-381329J	BUTTON POW B ENGLISH
4	SB-381332J	BUTTON EJECT B ENGLISH
5	BS-381355J	SW OPERATE 77EA ENGLISH W/BG
6	SB-381337J	BUTTON S ENGLISH
7	ZG-381346J	SP TORSION
8	MZ-381351J	SHAFT VR
9	SK-381327J	KNOB VR B
10	ZG-381347J	SP PLATE HINGE
11	SC-381325J	COVER HINGE B
12	ZS-362378	PLX BID30X10STL CMT
13	SK-381336J	KNOB SLIDE
14	MB-357511	CUSHION PC(1)
15	SP-380596J	PANEL REAR EK
16	SP-380601J	HOLDER CONVERTOR EO
17	SC-381932J	COVER HEATSINK
18	ZS-362378	PLX BID30X10STL CMT
19	ZS-365702	PLX BID30X10STL BNI
20	SP-380605J	JACK PLATE SPEAKER EOH
22	ZS-362378	PLX BID30X10STL CMT
23	ZS-364545	DT BID30X08STL CMT
24	SA-376945J	FOOT(2) PART
25	ZS-378341	PLX BID30X12STL CMT
26	SP-380585J	COVER UPPER
27	ZS-357937	DT BID40X08STL BNI
28	ZS-365702	PLX BID30X10STL BNI
29	*EW-364044	AC CORD 2 CORES NRBS,LC2X0.75
30	SC-380614J	PLATE POW EK

## 25. ACCESSARY

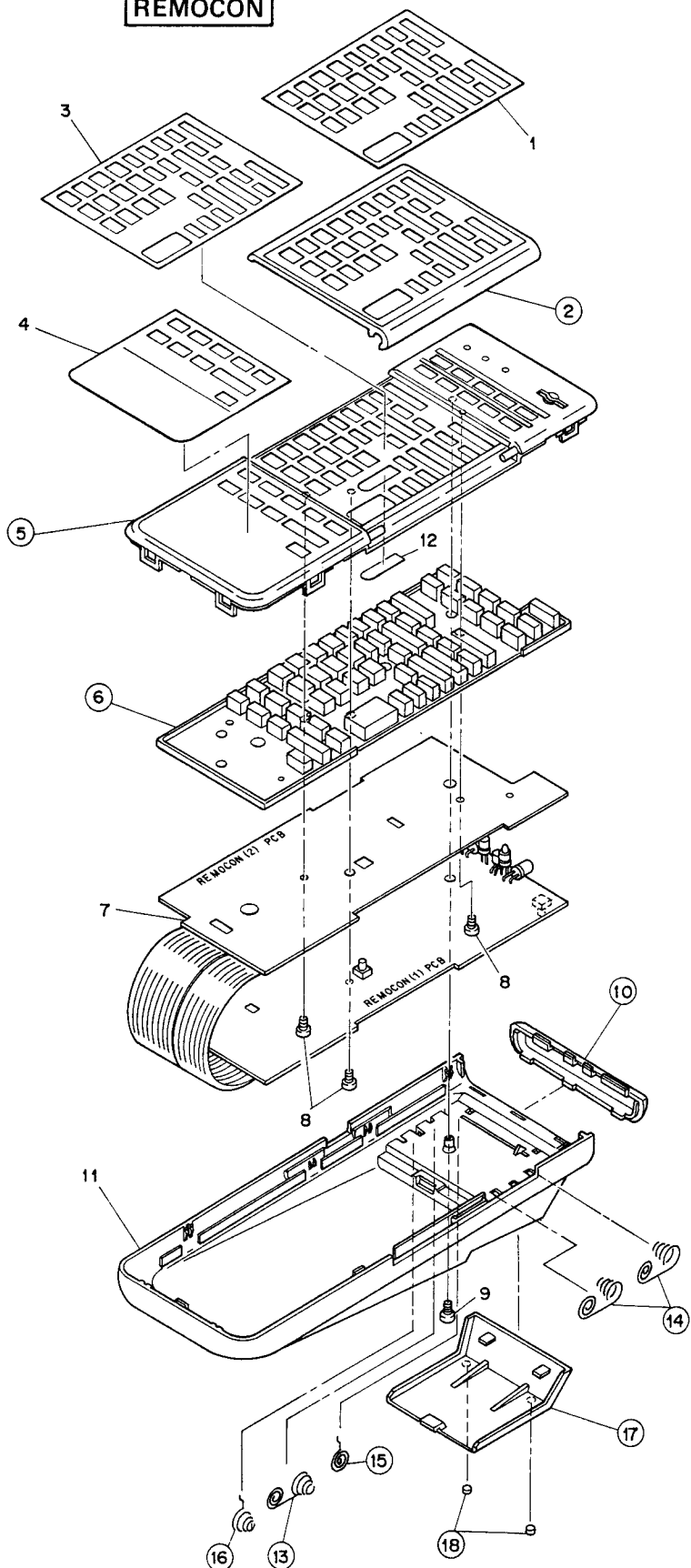
Ref. No.	Part No.	Description
1	EW-348414	CORD PAL
2	AV-N4004B010G	REMOCON BLK

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](mailto:enquiries@mauritron.co.uk)

## 26. REMOCON RC-V77A

Ref. No.	Part No.	Description
2	SP-384447J	DOOR PANEL
5	SC-384431J	CASE UPPER A
6	MB-384438J	KEY RUBBER C
10	SE-384446J	FILTER
13	ZG-384485J	TERMINAL BATTERY A(R)
14	ZG-385135J	TERMINAL BATTERY A(L)
15	ZG-385136J	TERMINAL BATTERY B
16	ZG-385138J	TERMINAL BATTERY C
17	SC-384444J	COVER BATTERY
18	SA-384484J	FOOT RUBBER

## REMOCON



## 27. REMOTE CONTROL P.C BOARD

Ref. No.	Part No.	Description
D1	ED-307572	D SILICON H 1SS131
D2	ED-307572	D SILICON H 1SS131
D3	ED-307572	D SILICON H 1SS131
D4	ED-307572	D SILICON H 1SS131
D5	ED-307572	D SILICON H 1SS131
D6	ED-307572	D SILICON H 1SS131
D7	ED-307572	D SILICON H 1SS131
D8	ED-307572	D SILICON H 1SS131
D9	ED-307572	D SILICON H 1SS131
D10	ED-307572	D SILICON H 1SS131
D11	ED-307572	D SILICON H 1SS131
D12	ED-307572	D SILICON H 1SS131
D13	ED-307572	D SILICON H 1SS131
D14	ED-307572	D SILICON H 1SS131
D15	ED-307572	D SILICON H 1SS131
D16	ED-307572	D SILICON H 1SS131
D17	ED-307572	D SILICON H 1SS131
D18	ED-307572	D SILICON H 1SS131
D19	ED-307572	D SILICON H 1SS131
D20	ED-307572	D SILICON H 1SS131
D21	ED-307572	D SILICON H 1SS131
D22	ED-307572	D SILICON H 1SS131
D23	ED-307572	D SILICON H 1SS131
D24	ED-307572	D SILICON H 1SS131
D25	ED-307572	D SILICON H 1SS131
D26	ED-307572	D SILICON H 1SS131
D27	ED-307572	D SILICON H 1SS131
D31	ED-384424J	D LED PR2533D RED
D32	ED-384424J	D LED PR2533D RED
D33	ED-384424J	D LED PR2533D RED
D34	ED-376111	D LED SE303AC INFRARED
D35	ED-376111	D LED SE303AC INFRARED
D36	ED-360409	D PHOTO PN323B
IC1	EI-386702J	IC M50743-101SP LHX REM2
IC2	EI-386847J	IC LH5164L-15
IC3	EI-332203	IC TC4528BP
IC4	EI-304657	IC TC4011BP
IC5	EI-360396	IC S-8054HN
SW1	ES-385174J	SW TACT SKHHBV
SW2	ES-385174J	SW TACT SKHHBV
TR1	ET-354414	TR DTC144ES
TR2	ET-308141	TR 2SC2603 G F05
TR3	ET-302502	TR 2SC2001 K
TR4	ET-337759	TR FET 2SK246 GR
TR5	ET-308472	TR 2SA1115 E,F,G F05
TR6	ET-356336	TR DTA114ES
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### NOTE:

Parts will not be supplied if they are not listed in the parts list, even if they appear on the assembling illustrations with reference No.

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For Service Manuals Contact  
MAURITRON TECHNICAL SERVICES  
8 Cherry Tree Rd, Chinnor  
Oxon OX9 4QY  
Tel: 01844-351834 Fax: 01844-352554  
Email: enquiries@mauriton.co.uk

Part No.	Ref. No.	Part No.	Ref. No.	Part No.	Ref. No.	Part No.	Ref. No.
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BA-V1086D510B	6-4	ED-307572	9-D19	ED-347767	23-D5	EH-367892	7-FL1
BA-V1086D605D	6-1	ED-307572	9-D20	ED-357037	1-21	EH-367892	7-FL2
BA-V1086D615B	6-5	ED-307572	9-D22	ED-357037	22-D301	EH-367912	16-IB1
BA-V1086D620C	6-6	ED-307572	9-D23	ED-360409	1-20	EH-368821	1-59
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# ABBREVIATIONS (VIDEO)

ABBREVIATION	EXPLANATION	ABBREVIATION	EXPLANATION
A	Audio or Analogue	LM	Loading Motor
AC	Alternating Current	LM STP	Loading Motor SToP
ACC	Auto Color Control	LP	Long Play
A/C	Audio and Control	LPF	Low Pass Filter
ADJ	ADJust(ment)	ME-SECAM	Middle East SECAM
AFC	Auto Frequency Control	MI-COM	Micro COMputer
AFT	Auto Fine Turning	MM	Mono-stayble Multi
AGC	Auto Gain Control	MOD	MODulator
AH(P)	Audio Head (Play Back)	MRS	Motor ReverSe
AH(R)	Audio Head (Record)	NG	Noise Gate
AL	ALI	NON-LIN	NON-LINear
AL	ALways	N.T.S.C.	National Television System Committee
ALC	Auto Level Control	O MUTE	Output MUTE
A-SW. P	Audio-SWitching - Pulse	OSC	OSCillator
A- MUTE	Audio MUTE	PAL	Phase Alternation Line
AUT/MAN	AUTO/MANual	PB	Play Back
ANT	ANTenna	P-COM	Phase-COMparator
APC	Automatic Phase Control	P DOWN	Power DOWN
ASSY	ASSEMBly	PG	Pulse Generator
BAL	BALance	PL, PLG	PLunger (PLunGer)
B DOWN	Break DOWN	POS	POSition
BGP	Burst Gate Pulse	PRG	PRoGram
BLK	BLAcK or BLock	P & S	Power supply & System control
BM	Balanced Modulator	PU	Pick Up (head, pulse)
BPF	Band Pass Filter	PWR	PoWeR
BS	Band Select	Q	Quality factor
BU	Back Up	R	Right
B/W	Black and White	REC	RECORD
C	Chroma	REF	REference
CCIR	Comité Consultatif International des	REF-V	REference Vertical signal
CH (Ch.)	Radio Communications	REG	REGulator
CK	CHannel (Channel) or CHroma	REV (REvW)	REView (REView)
CLK	Color Killer	REW	REWind
CLK	CLOCK	RF	Radio Frequency
CLP	CLiP	R - S SW	Record - Safety SWITCH
CM	Capstan Motor	RST (RES)	ReSeT (RESet)
CN	CoNnector	RVS	ReVerSe
COMP	COMParator	S	Sensor, Shield
Comp	Comparison	SC	SimulCast
C or R	Cue or Review	S CLK	Serial CLOCK
CR 1	Cue Review 1 (high)	SECAM	Séquentiel à Memoire
CSW	Cassette SWITCH	SET (SEPA)	SEParator (SEParator)
C SYNC	Composite SYNC	S & H	Sample and Hold
CTL	ConTroL	SLP	Super Long Play
CUE	CUE	SP	Standard Play
CW	Carrier Wave	SPD	SPEED
DAC	Digital to Analog Converter	SRP	Supply Reel Pulse
DC	Direct Current	SRV	SeRVo
DEMODO	DEMODOlator	SOW	Sync On Word
DET	DETECT (DETECTOR)	STBY	STandBY
DL	Delay Line	SW	SWitch
DM	Drum Motor	SW'NG	SWitchiNG
DOC	Drop Out Compensator	SWP	SWitching Pulse
D - P - E	Drum - Phase - Error	SYNC	SYNChronize
D - PG	Drum - Pulse Generator	T-AUDIO	Tuner AUDIO
EE	Electronic to Electronic	TA-MUTE	Tuner Audio MUTE
EF	Emitter Follower	TPZ (TRAPE)	TraPeZoid (TRAPEzoid)
EMPHA	EMPHAsis	TRK	TRacKing
ENV	ENVelope	TRP	Take up Reel Pulse
EP	Extended Play	T/U	Take Up
EQ	EQUALizer	TV	TeleVision
FE	Full track Erase	UHF	Ultra High Frequency
FF	Flip-Flop or Fast Forward	UNR	UNRegulated
FG	Frequency Generator	V	Vertical or Video
Fig.	Figure	VCO	Voltage Controlled Oscillator
FM	Frequency Modulation	VD	Vertical Drive
Fo	resonance Frequency	VF	Voltage for Fine tuning
FREQ	FREQuency	VHF	Very High Frequency
FSI	Field Start Inhibit	VHS	Video Home System
GND	GrouND	VID	VIDeo
H	Horizontal	VIDEO-J	VIDEO Judge
HP	Horizontal (sync) Pulse	VIF	Video Intermediate Frequency
HPF	High Pass Filter	VJ	Video Judge
IC	Integrated Circuit	VM	Voltage for Memory
ID	IDentification	VOB	Video On Blank
IDL	IDLe (Voltage)	VOW	Video On Word
INS	INSert	VP	Vertical (sync) Pulse
INV	INVerter	VT	Voltage for Tuning
L	Left	WHT	WHiTe
L-CTL	Lamp - ConTroL	2H	2 Hour (SP)
LED	Light Emitting Diode	4H	4 Hour (LP)
LIM	LIMitter	6H	6 Hour (SLP/EP)



# AKAI

## MODEL VS-A77EK

### SCHEMATIC DIAGRAM AND PC BOARDS

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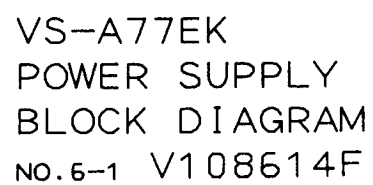
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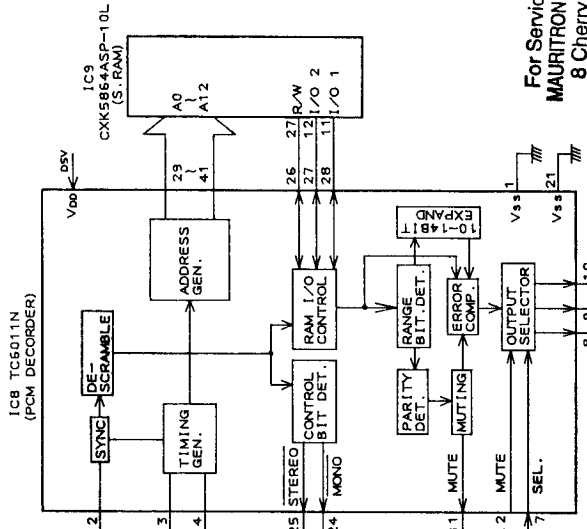
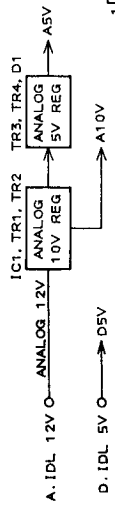
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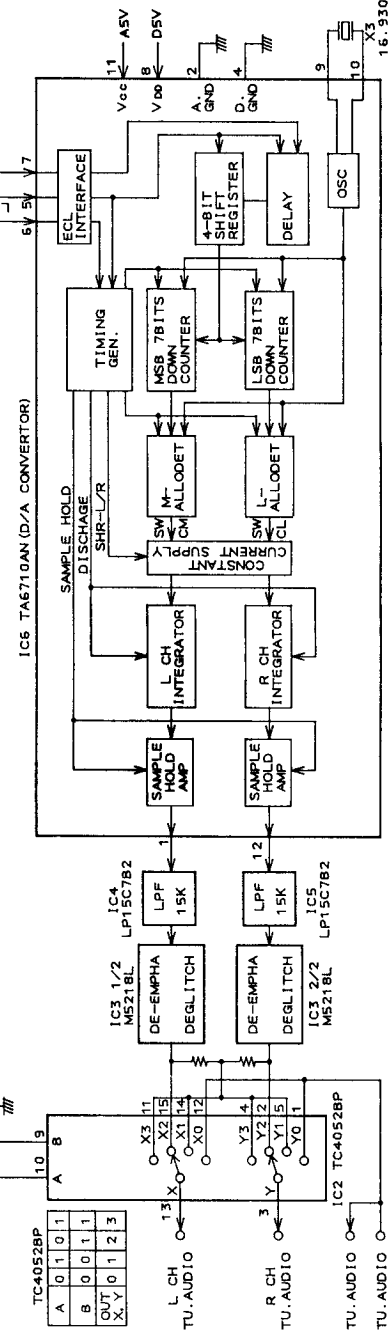
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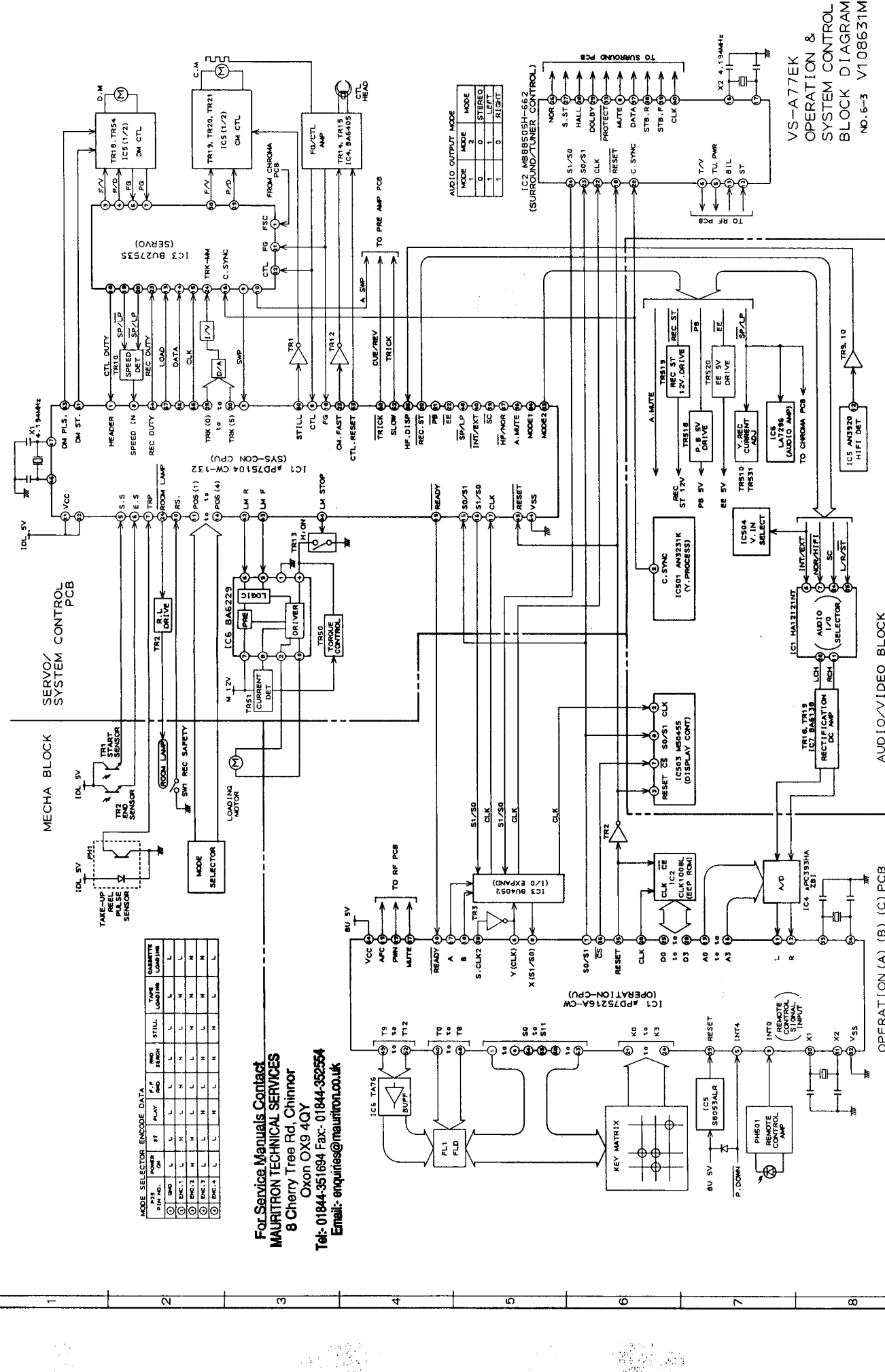


VS-A77EK  
 NICAM  
 BLOCK DIAGRAM  
 NO.6-2 V108634M

MODE SELECTOR ENCODE DATA

MODE	ST	PLAY	REC	STILL	TIME	LOADING	REVERSE
0	L	L	L	L	L	L	L
1	L	L	L	L	L	L	L
2	L	L	L	L	L	L	L
3	L	L	L	L	L	L	L
4	L	L	L	L	L	L	L
5	L	L	L	L	L	L	L
6	L	L	L	L	L	L	L
7	L	L	L	L	L	L	L
8	L	L	L	L	L	L	L
9	L	L	L	L	L	L	L

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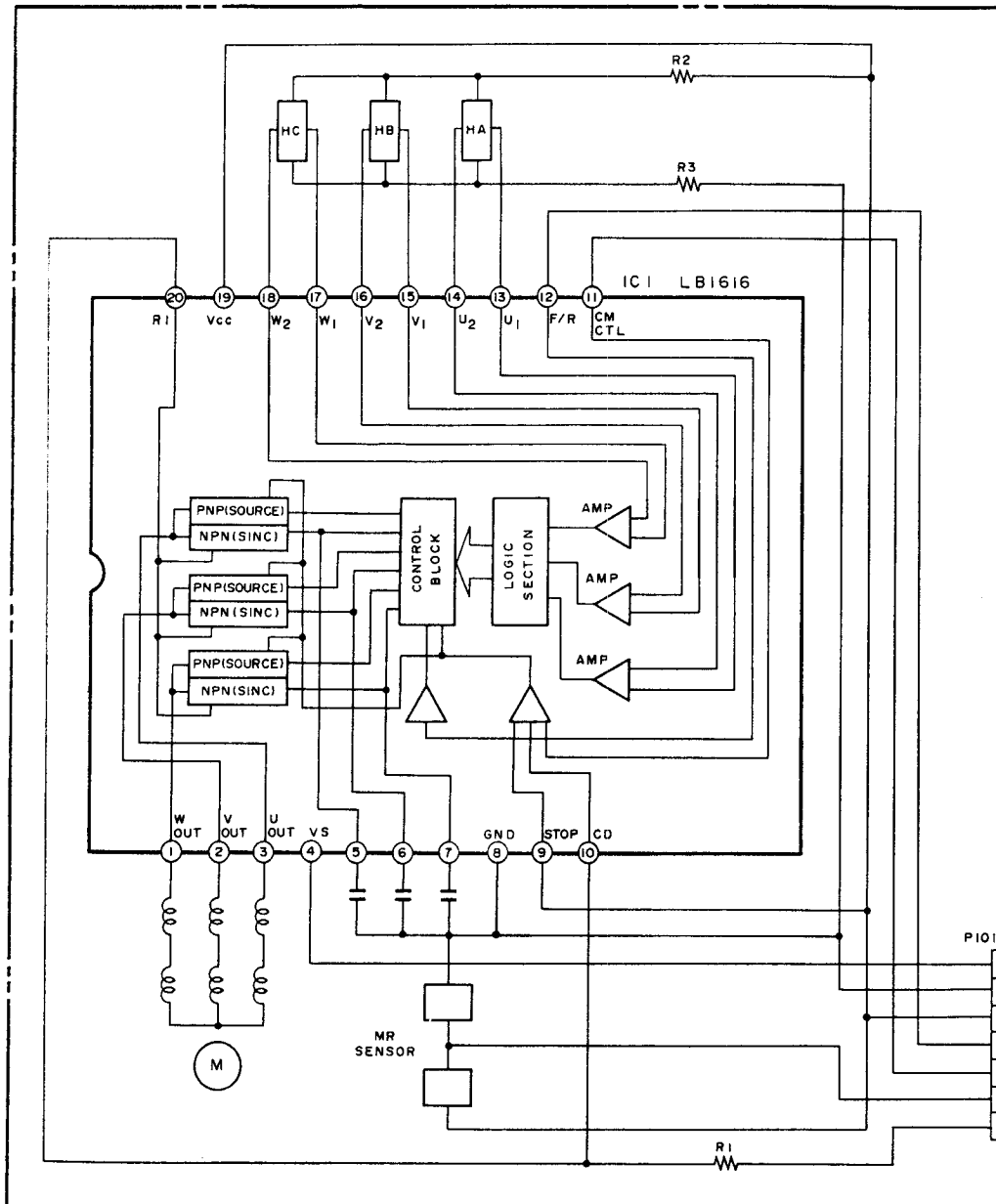
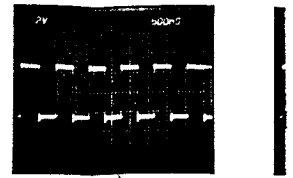
AUDIO OUTPUT MODE

MODE	MODE	MODE
1	2	3
0	0	0
1	1	1
1	1	1

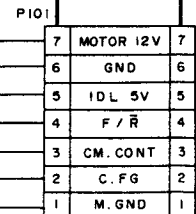
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 SYSTEM CONTROL  
 BLOCK DIAGRAM  
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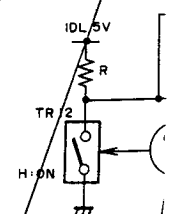
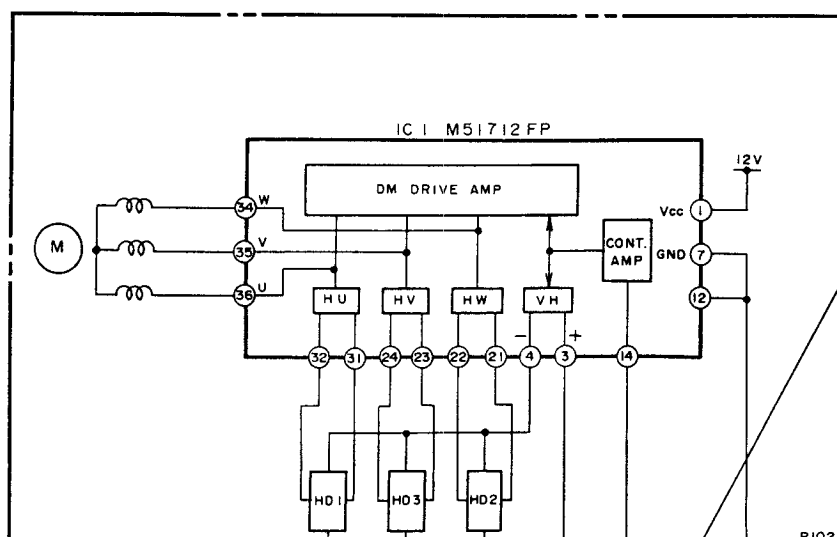
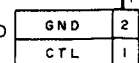
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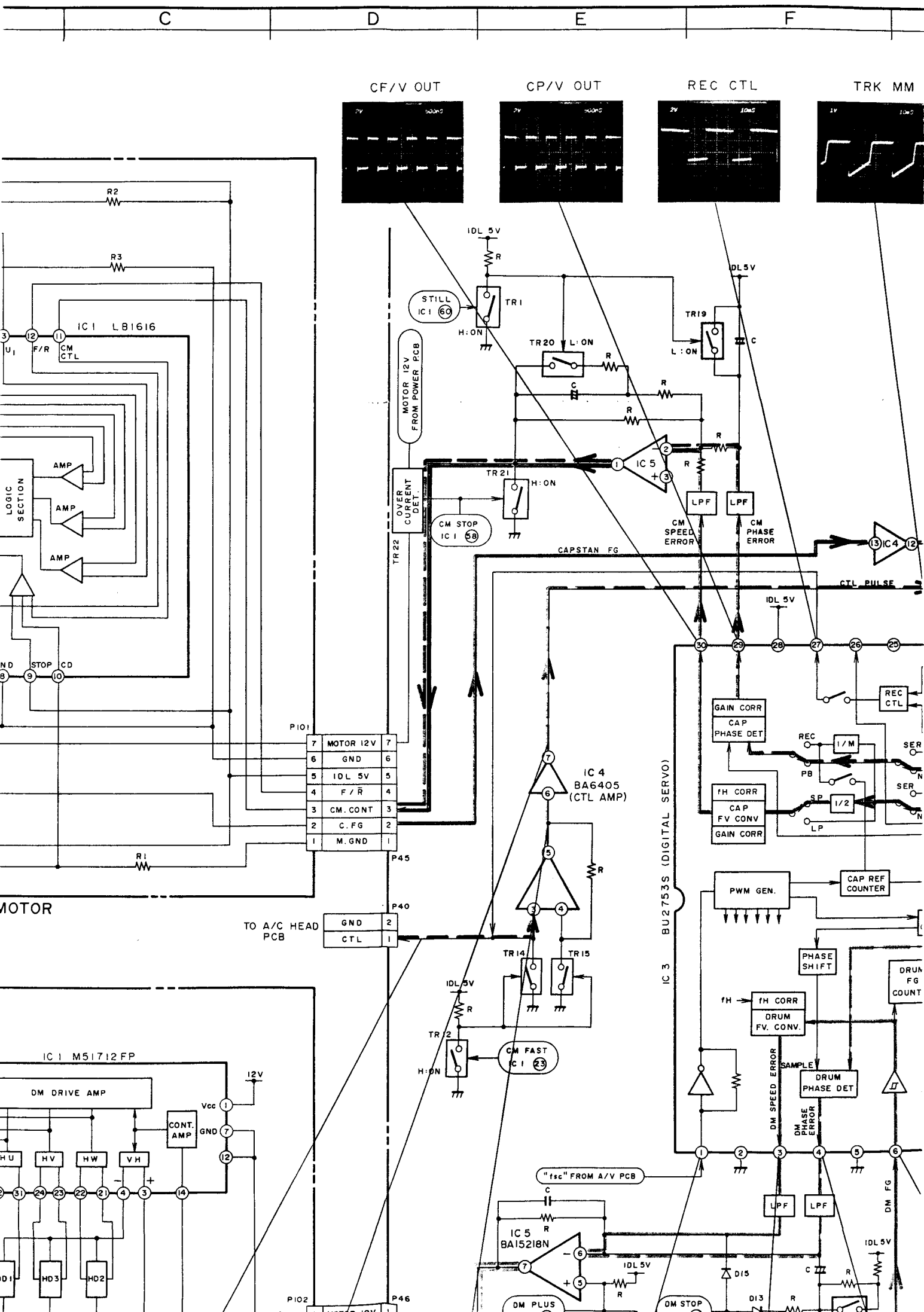


CAPSTAN MOTOR



TO A/C HEAD PCB





E

F

G

H

I

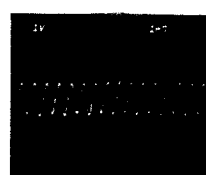
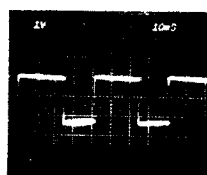
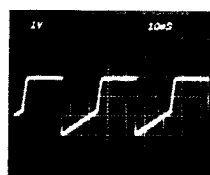
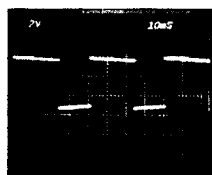
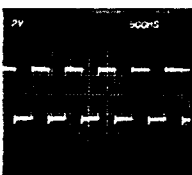
CP/V OUT

REC CTL

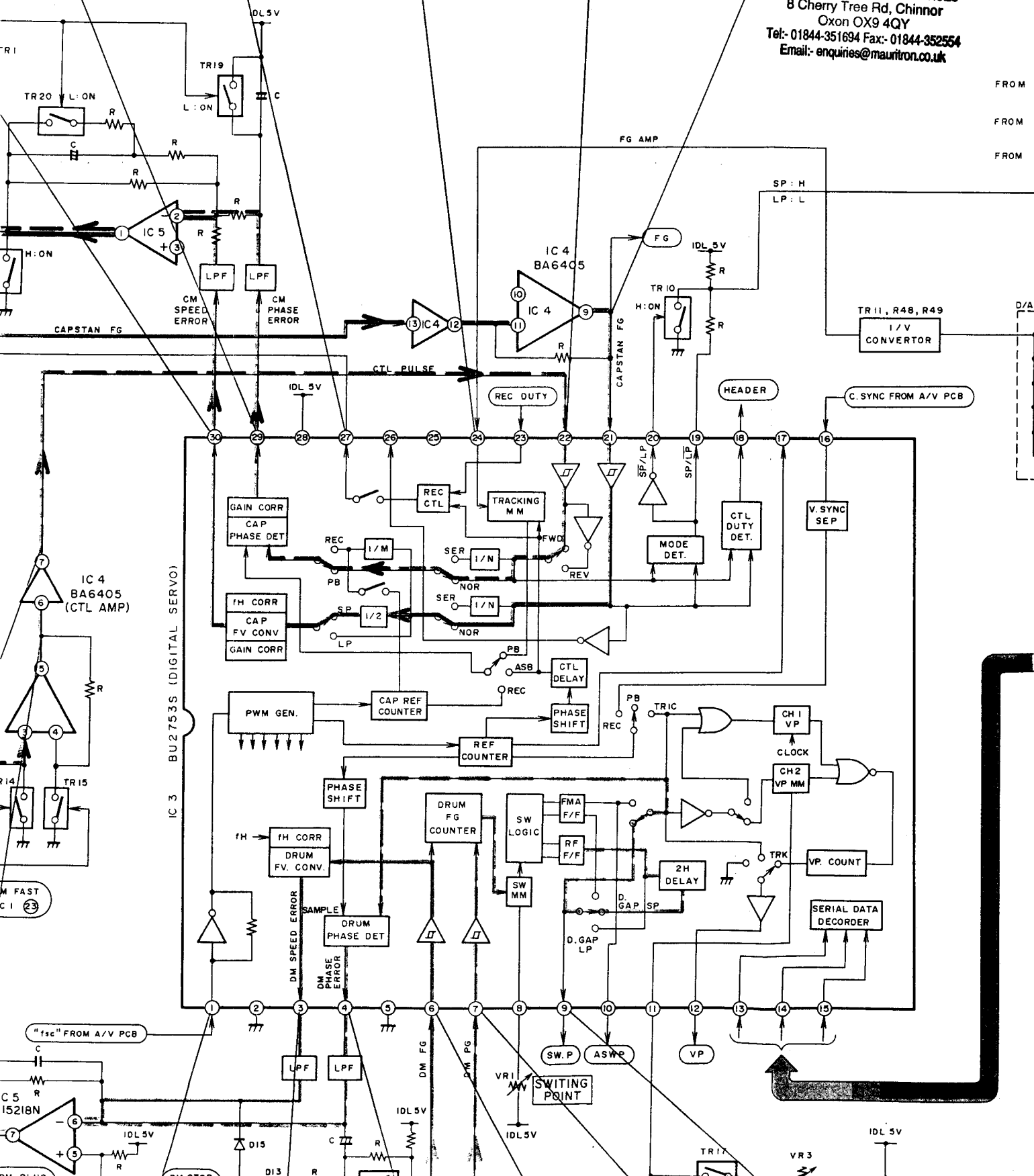
TRK MM

CTL

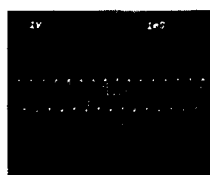
CAPSTAN FG  
SP: 1513.66Hz  
LP: 756.83Hz



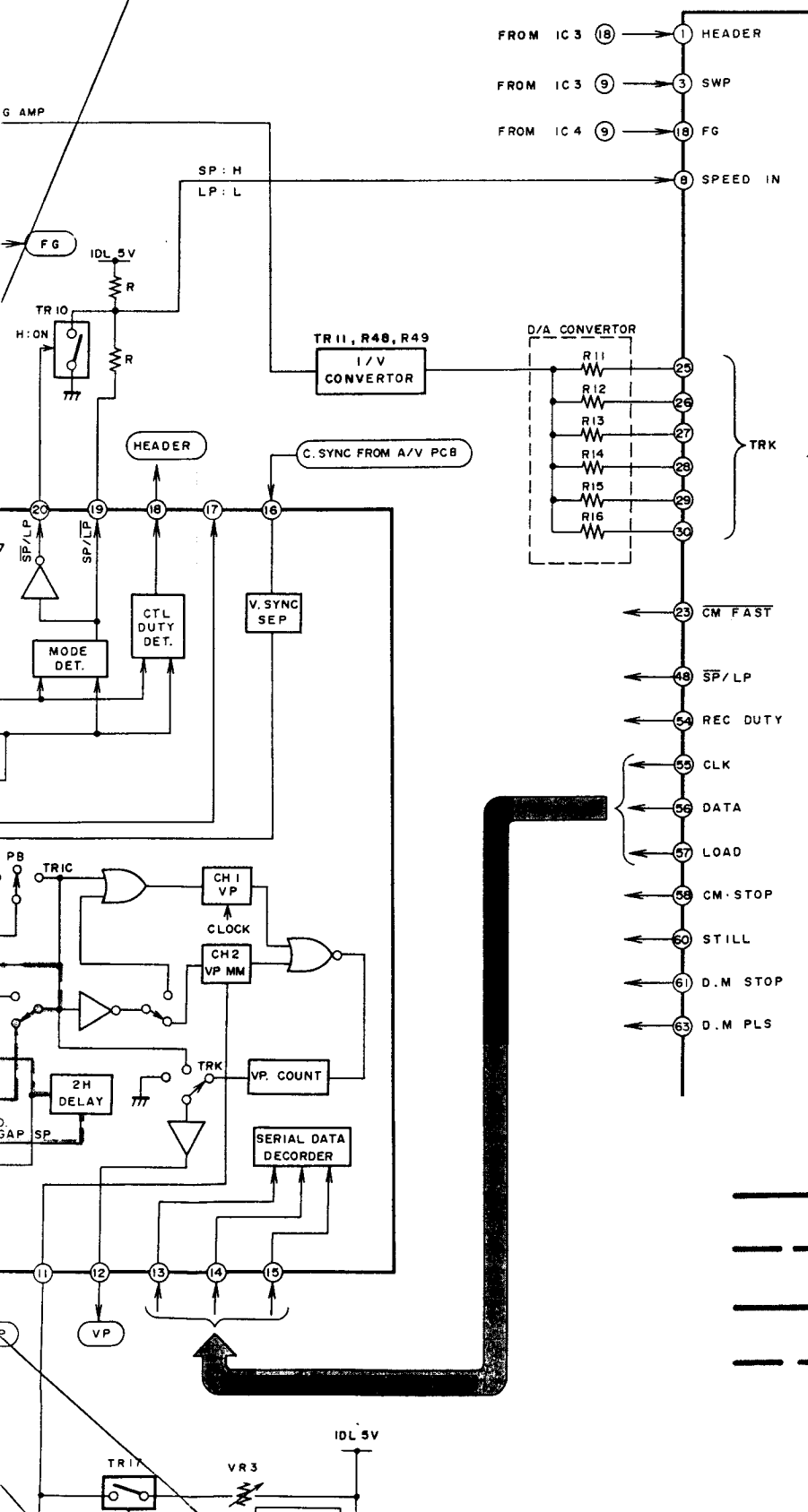
For Service Manuals Contact  
MAURITRON TECHNICAL SERVICES  
8 Cherry Tree Rd, Chinnor  
Oxon OX9 4QY  
Tel:- 01844-351694 Fax:- 01844-352554  
Email:- enquiries@mauritron.co.uk



CAPSTAN FG  
SP: 1513.66Hz  
LP: 756.83Hz



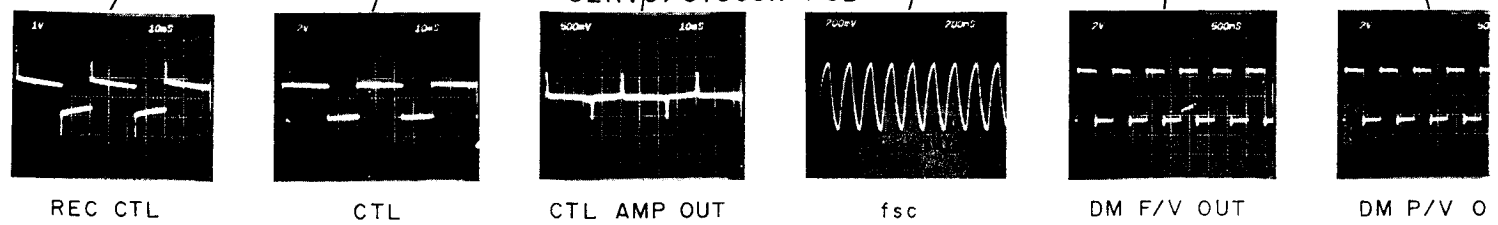
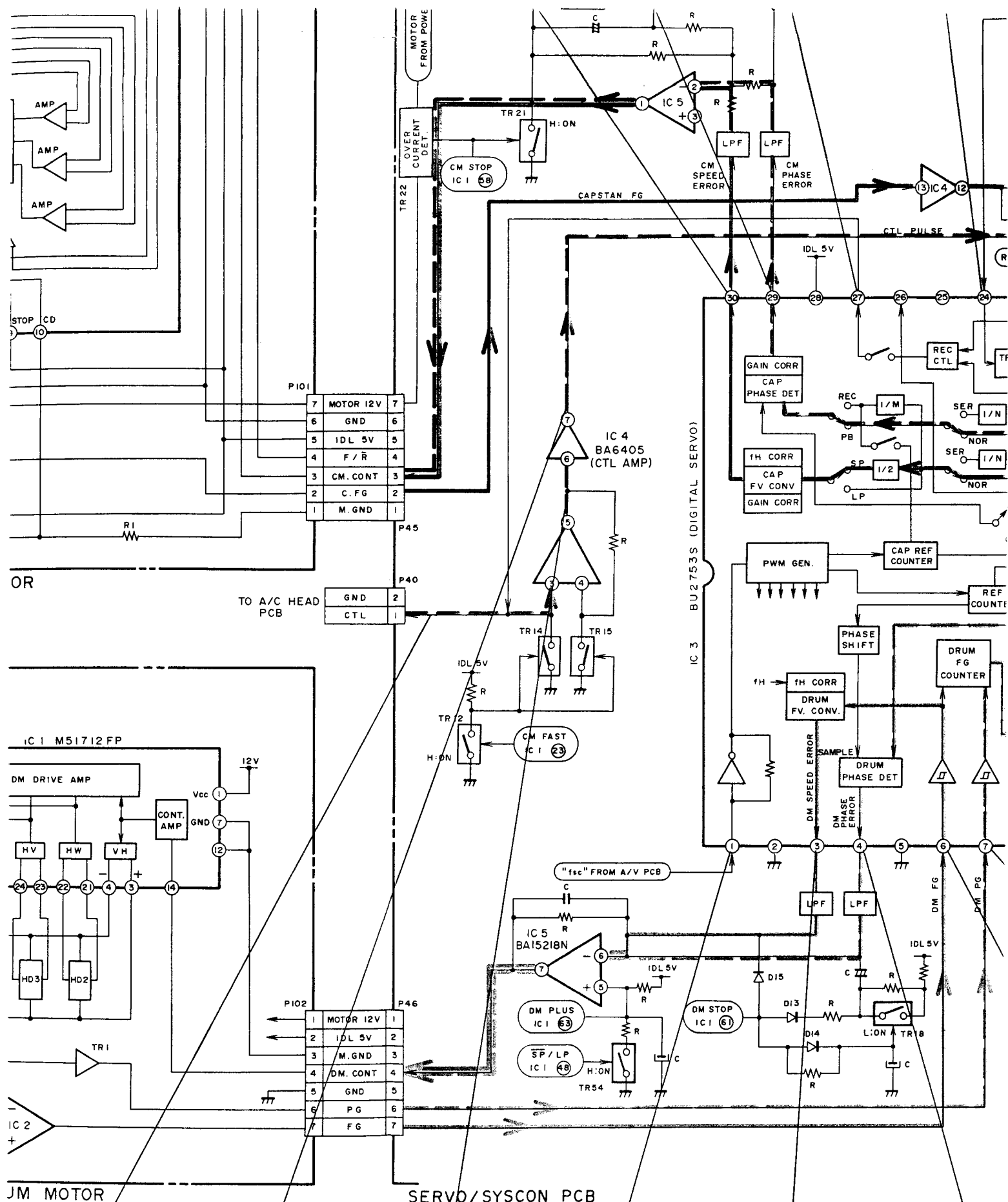
G AMP



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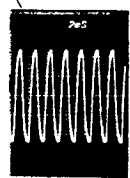
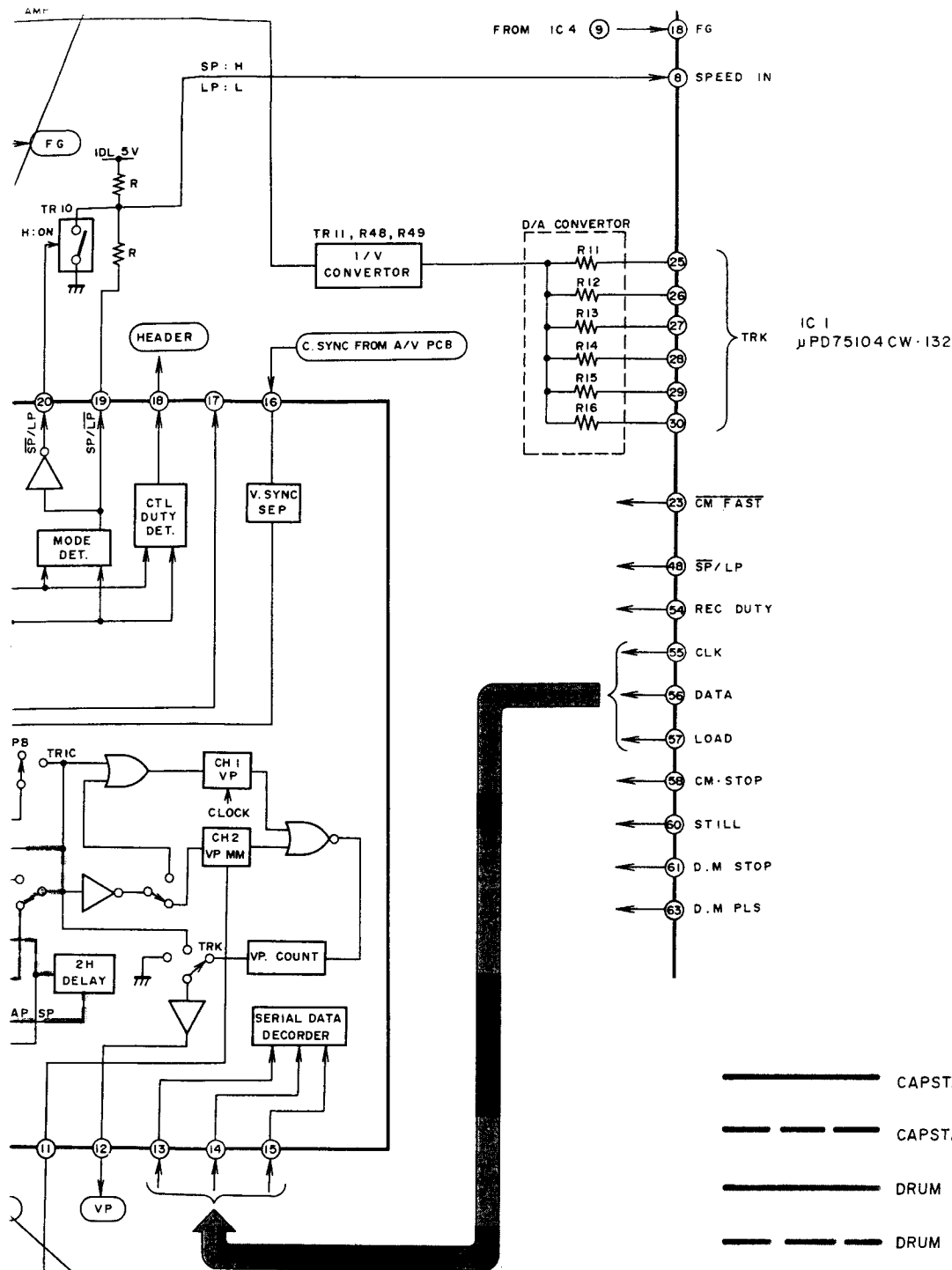




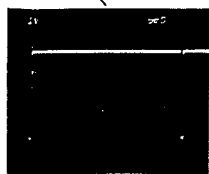


C D E F

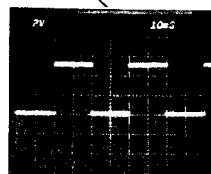




FG  
99.79Hz



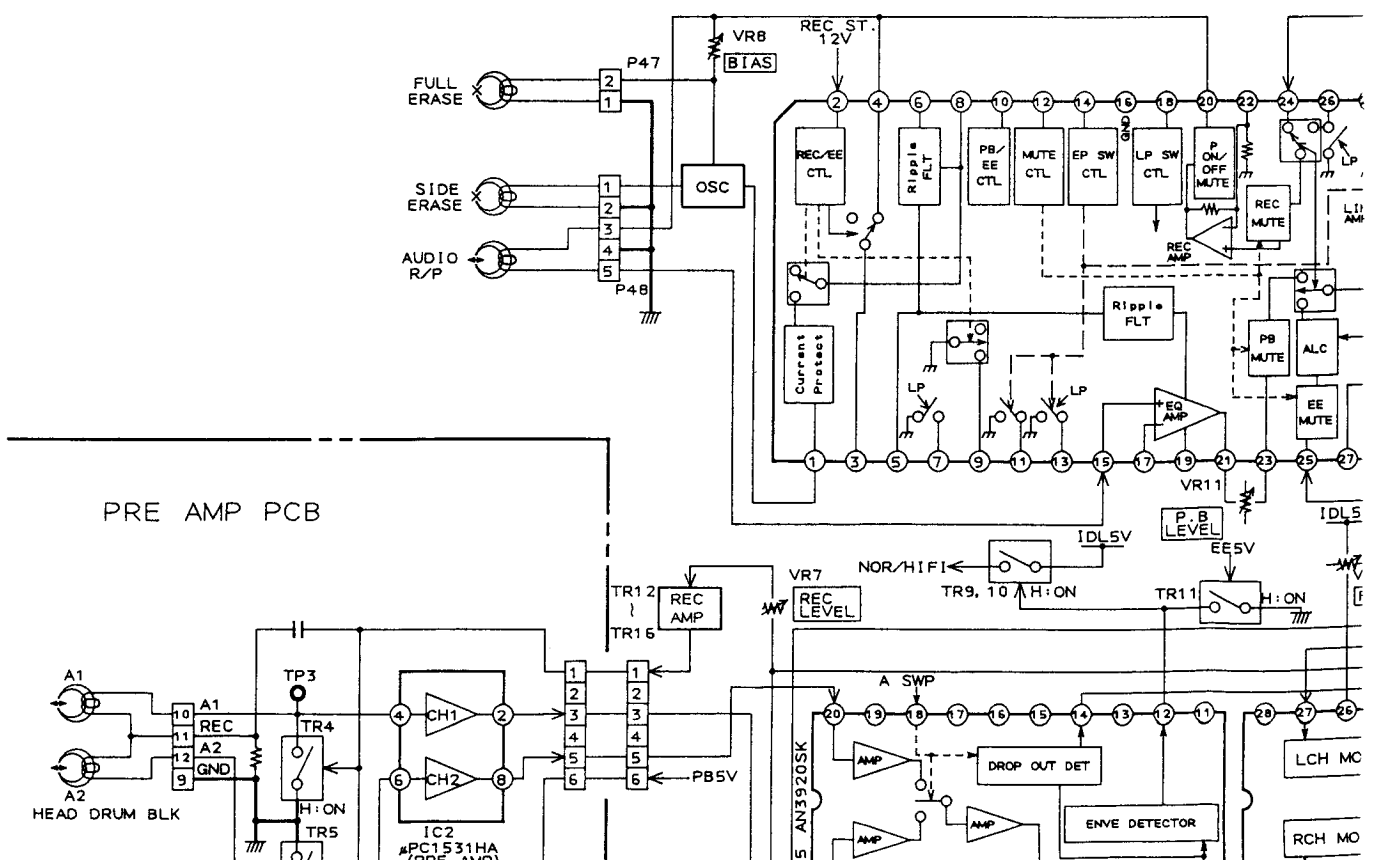
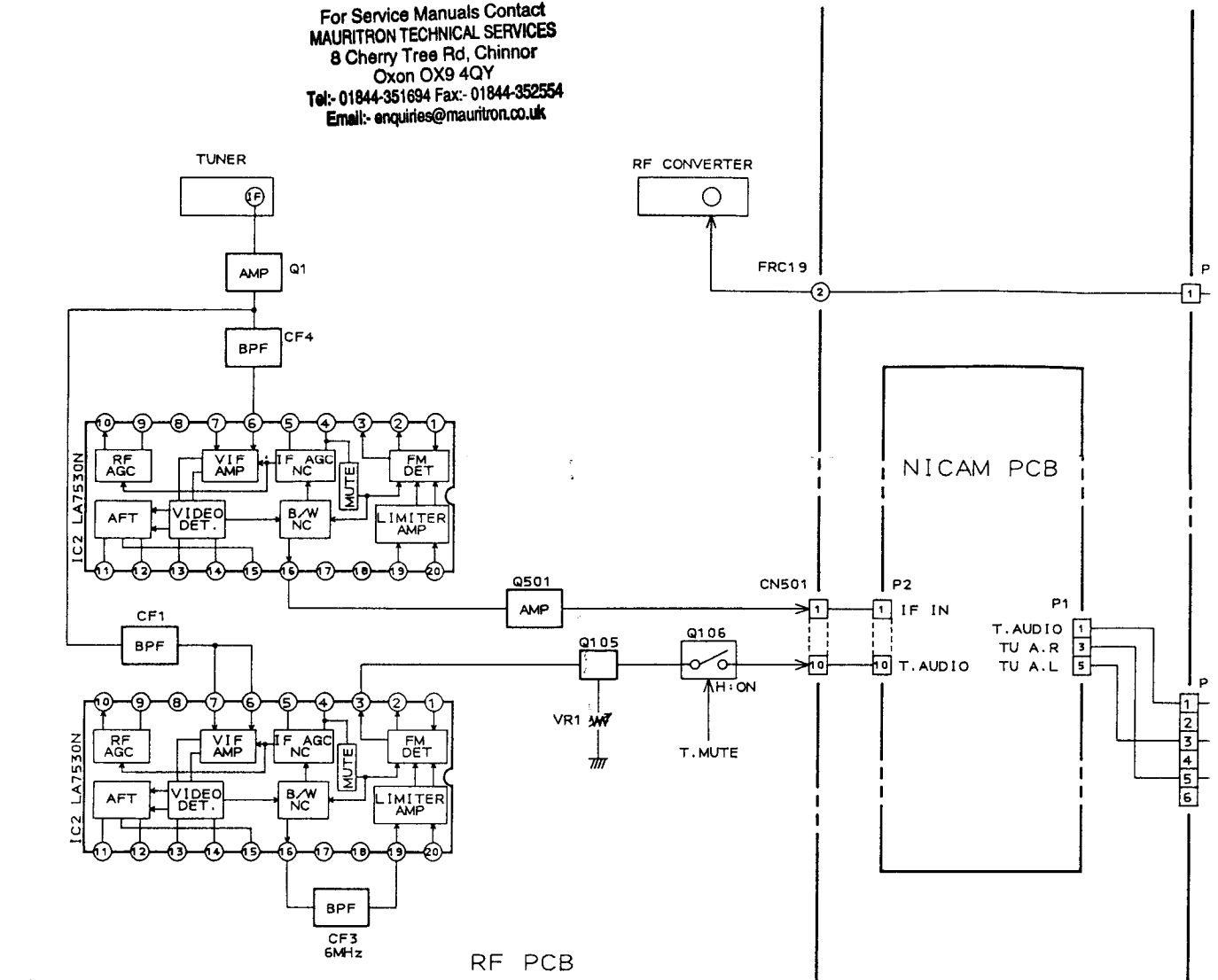
DM PG



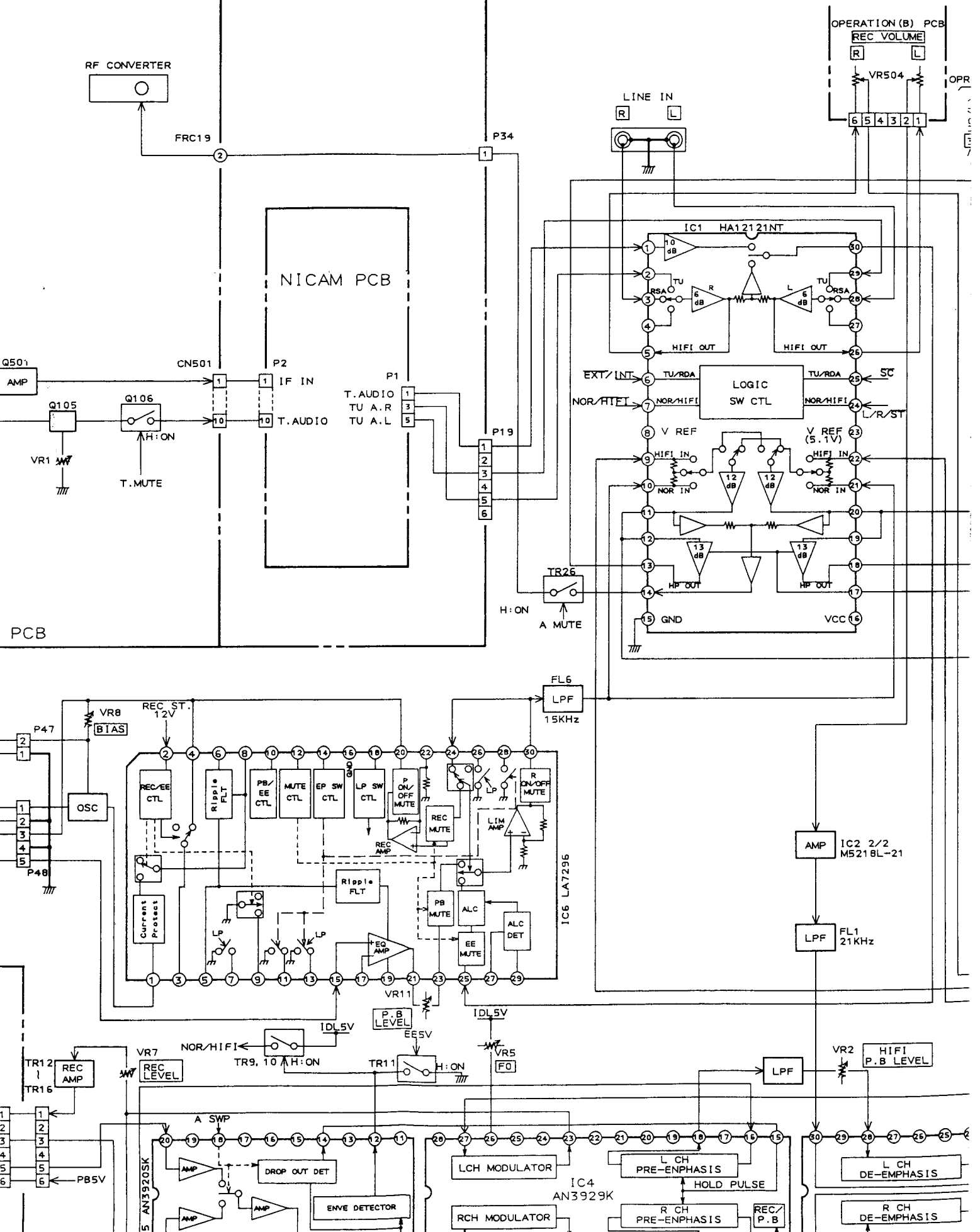
SW PULSE

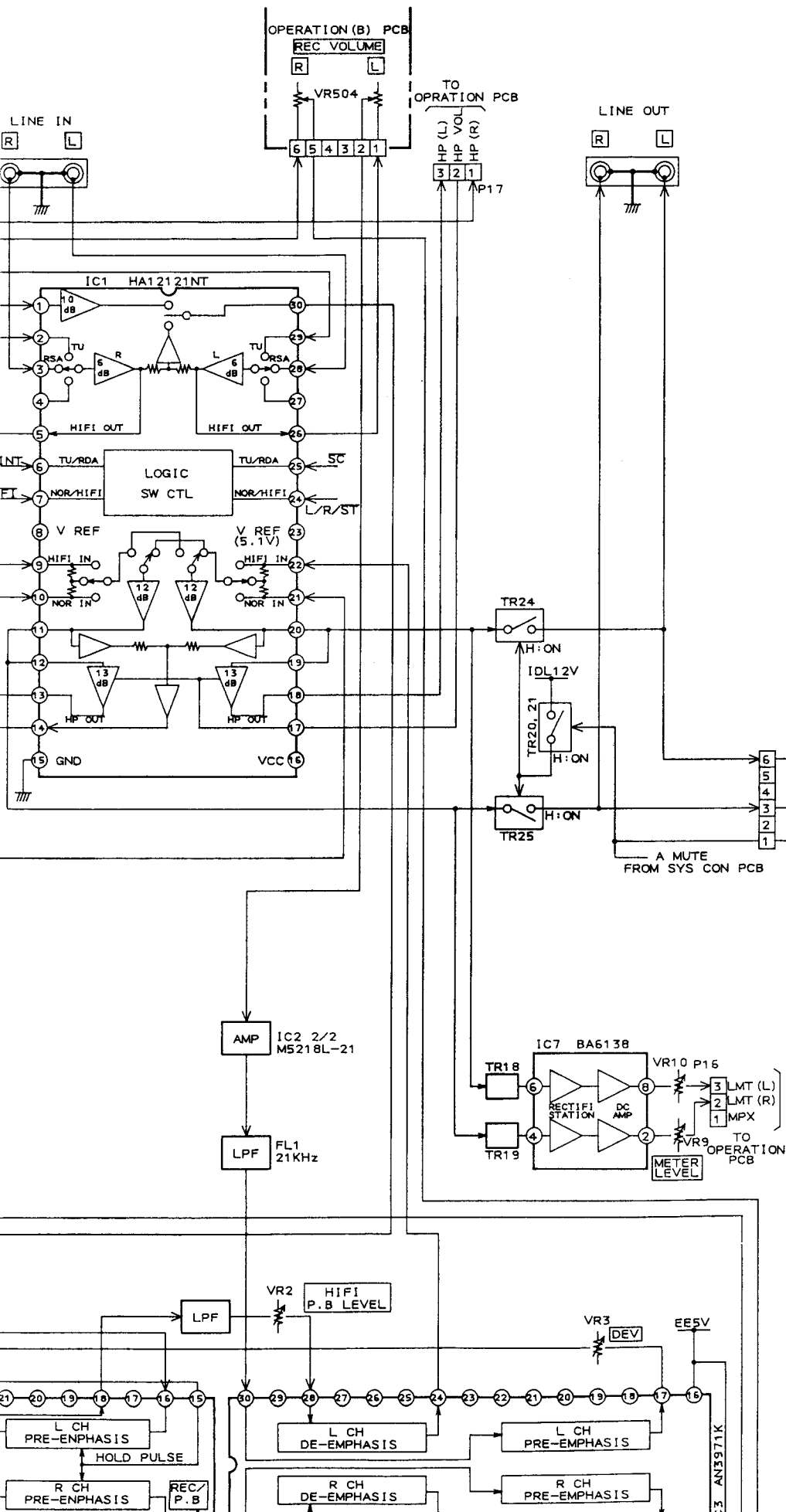
VS-A77EK  
SERVO  
BLOCK DIAGRAM  
NO.6-4 V108616F

For Service Manuals Contact  
**MAURITRON TECHNICAL SERVICES**  
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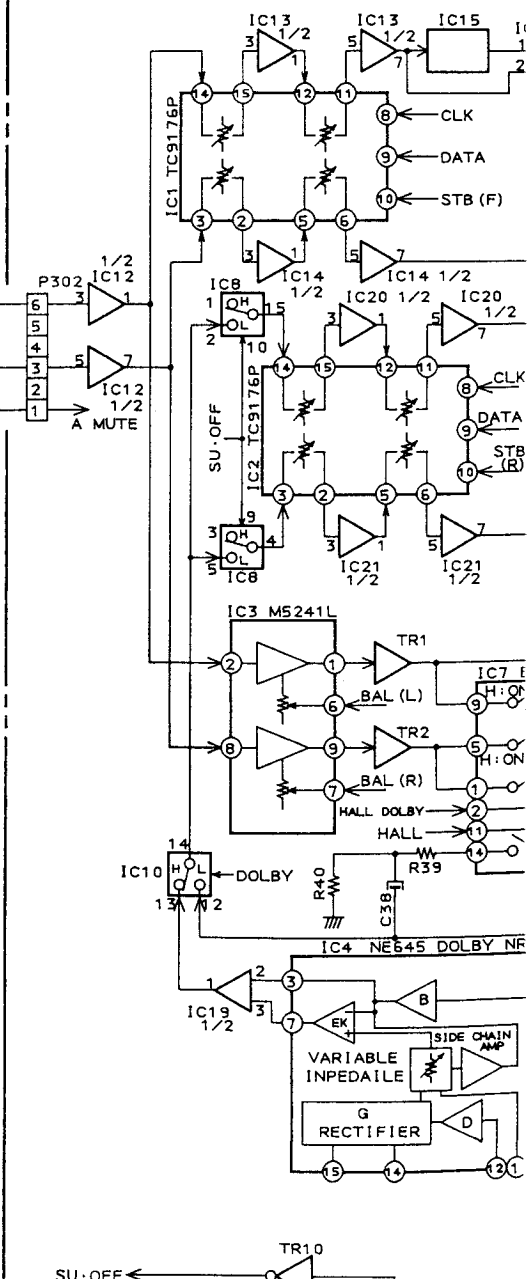
For Service Manuals Contact  
**MAURITRON TECHNICAL SERVICES**  
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 Oxon OX9 4QY  
 Tel: 01844-351694 Fax: 01844-352554  
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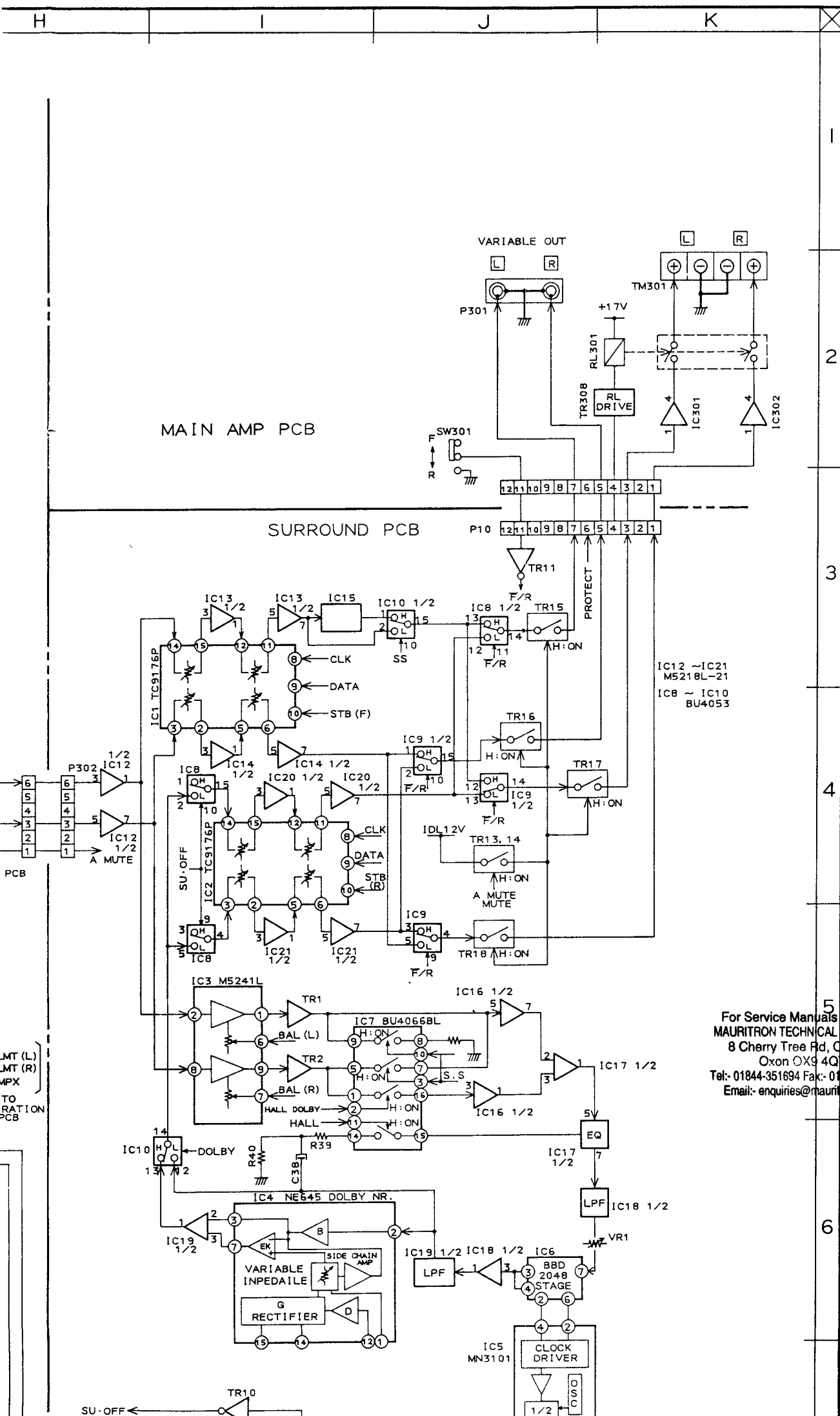




# MAIN AMP PCB

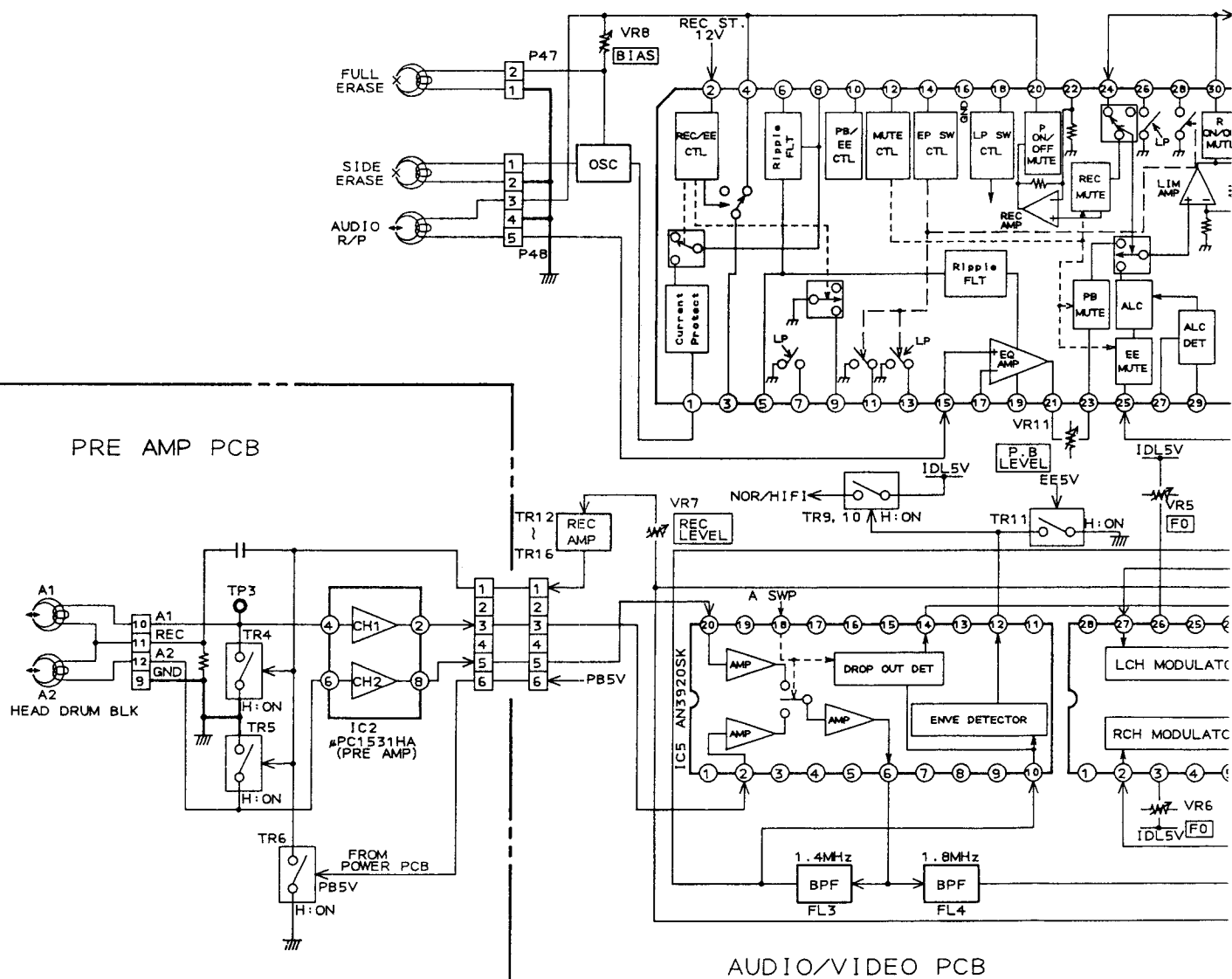
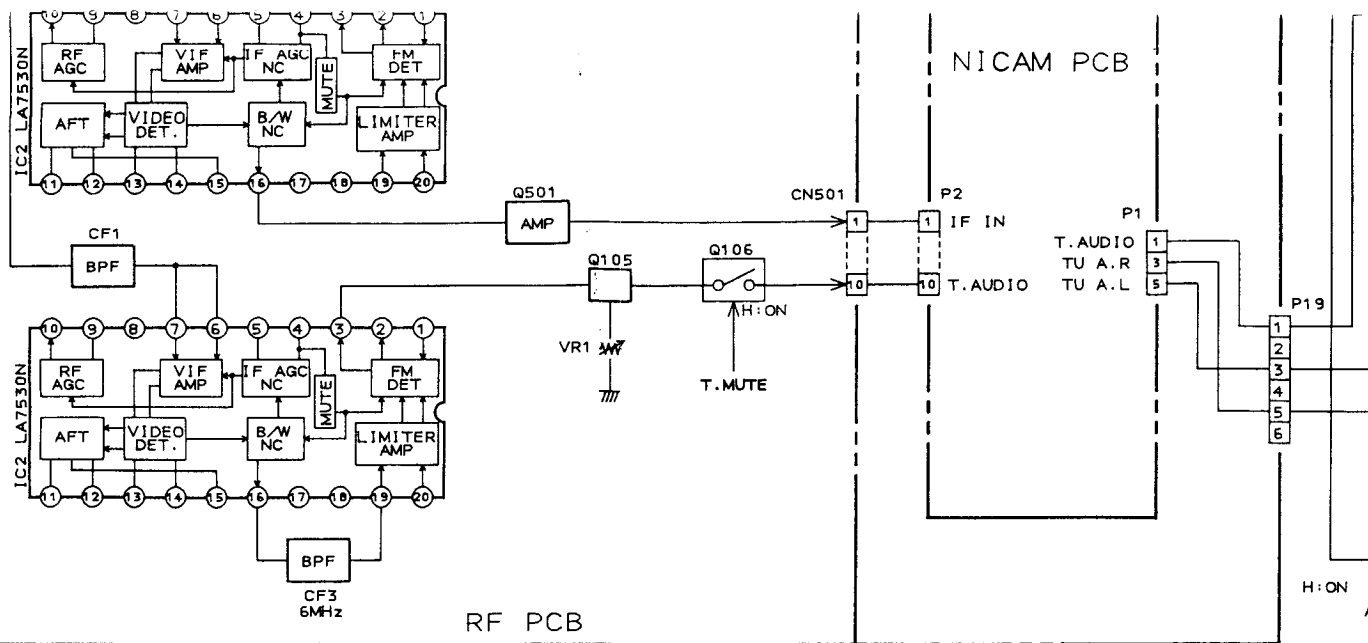
## SURROUND I



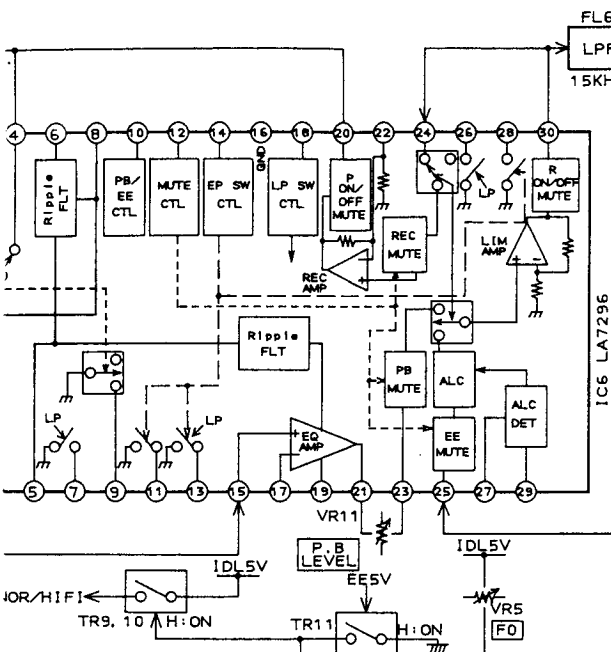
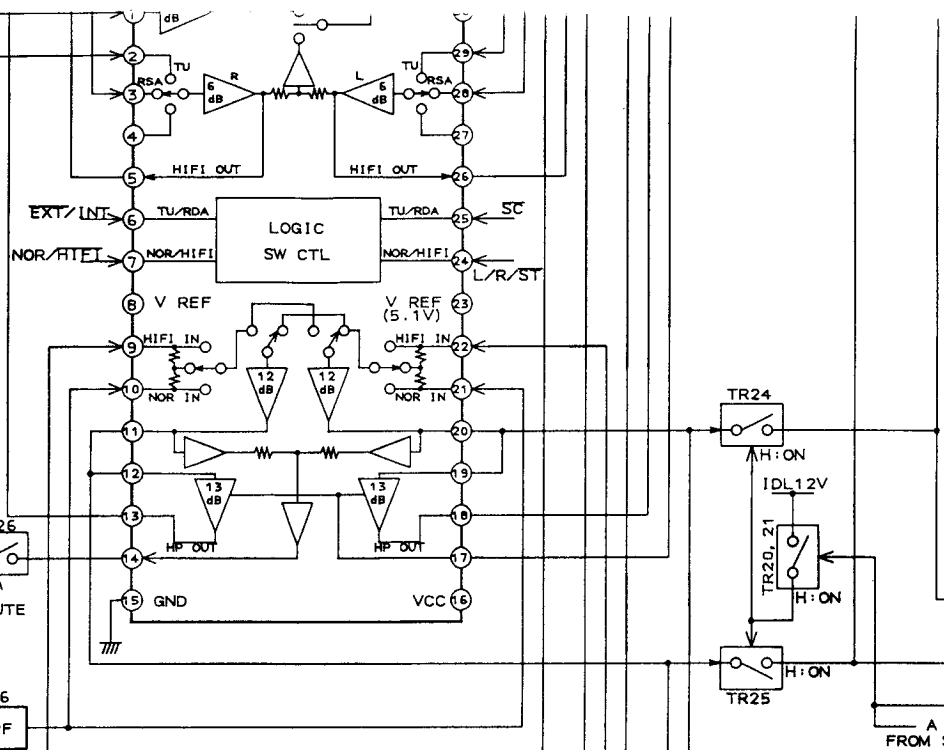
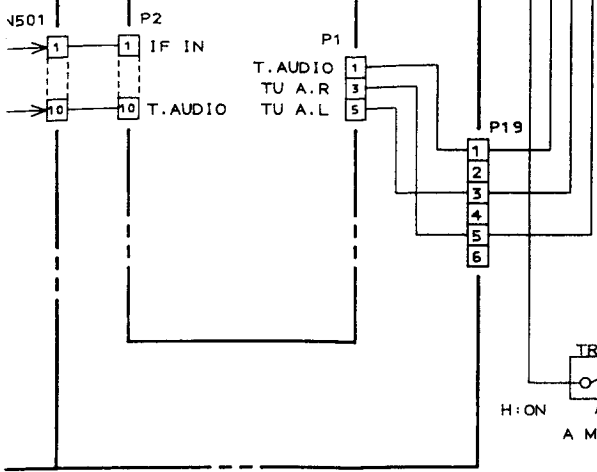


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 Oxon OX9 4Q  
 Tel: 01844-351694 Fax: 01  
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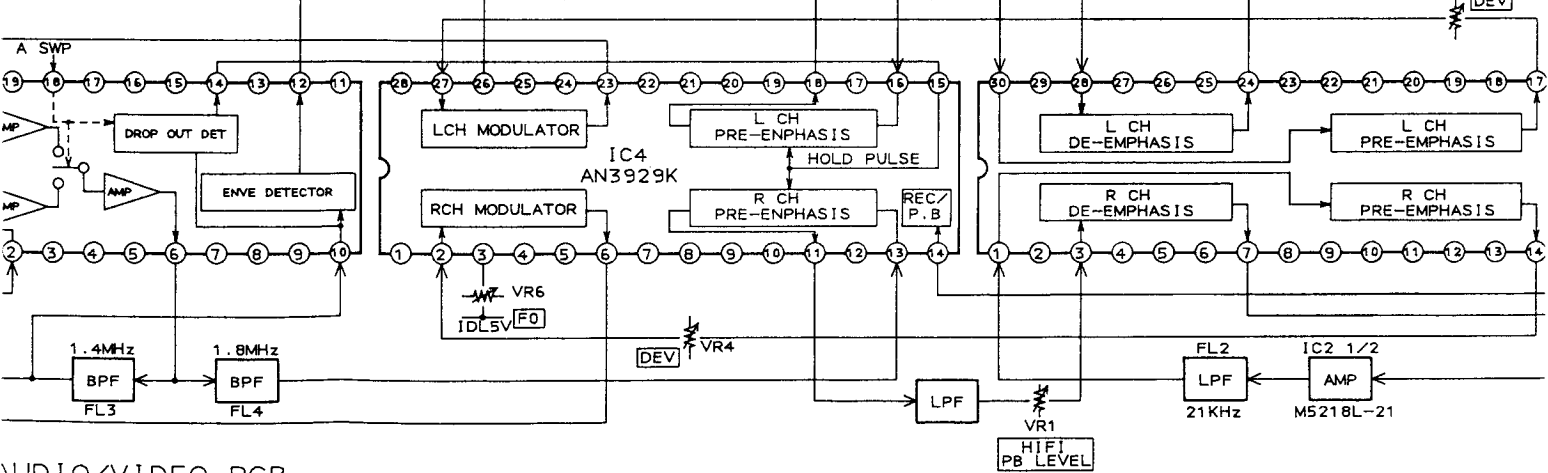




# NICAM PCB



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 Oxon OX9 4QY  
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 Email: enquiries@mauritron.co.uk



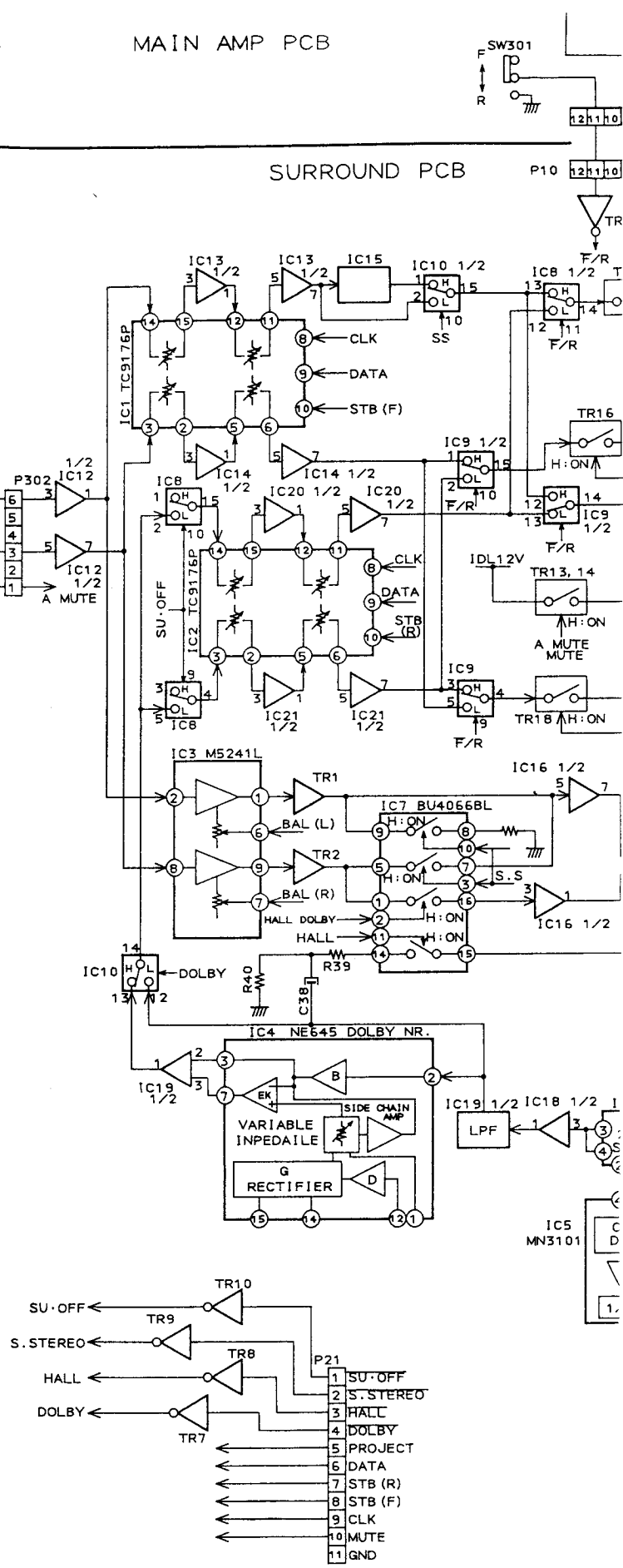
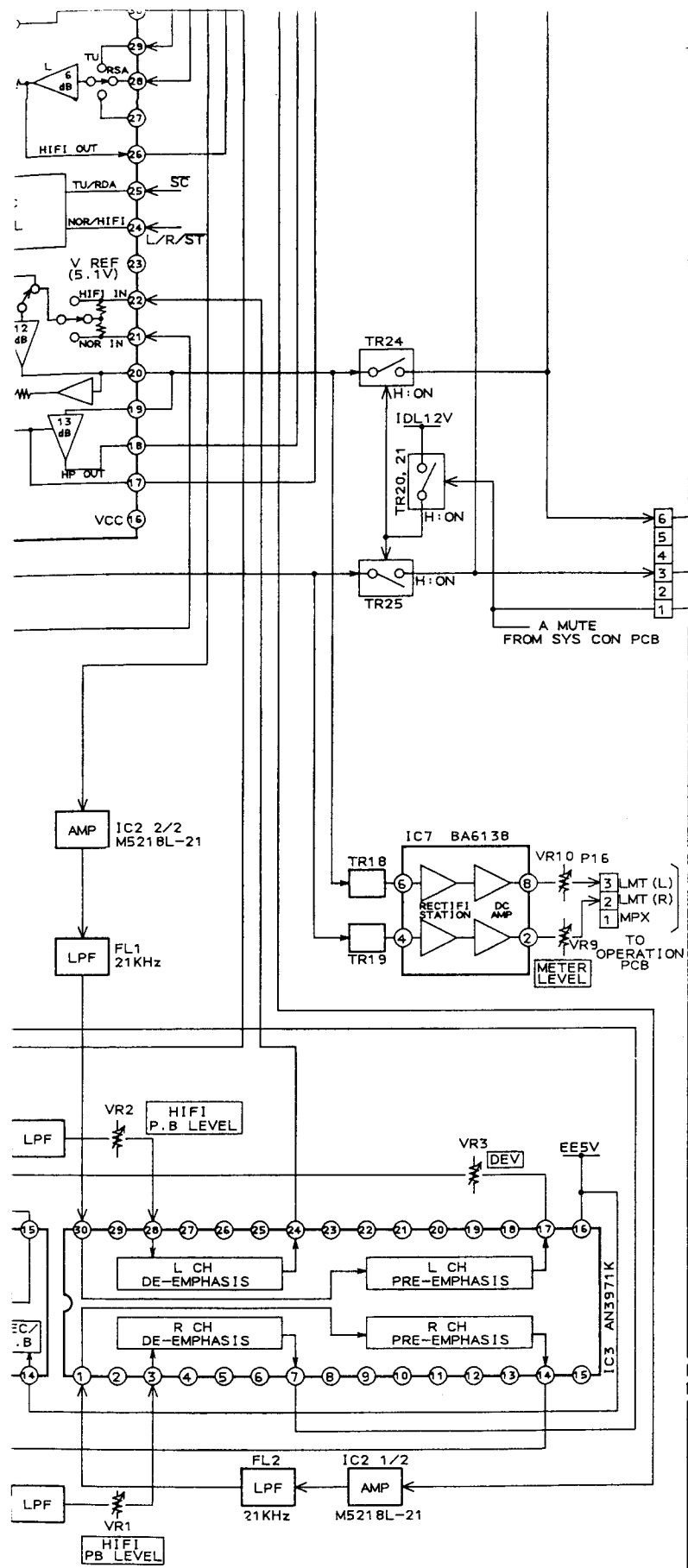
## AUDIO/VIDEO PCB

D

E

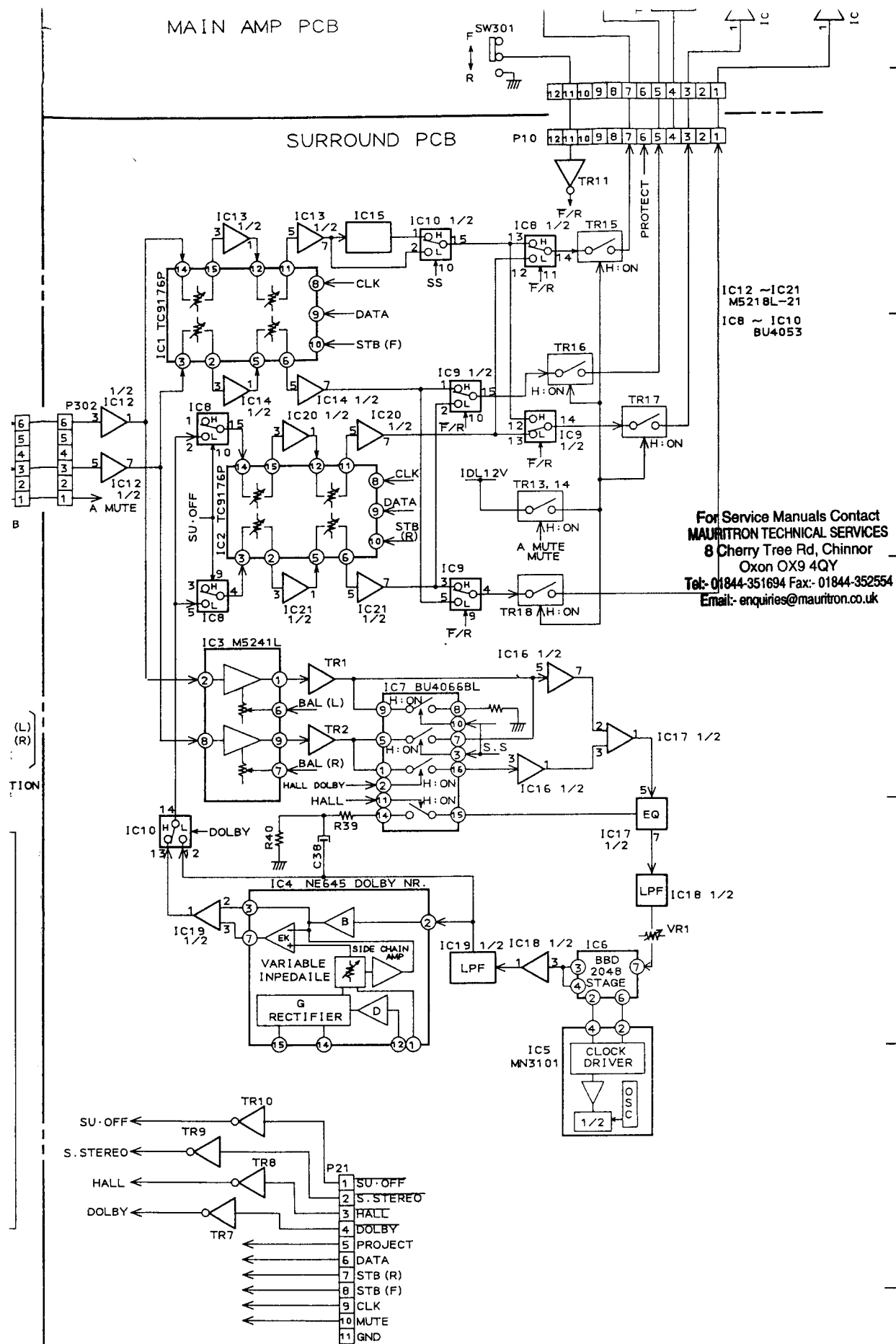
F

G

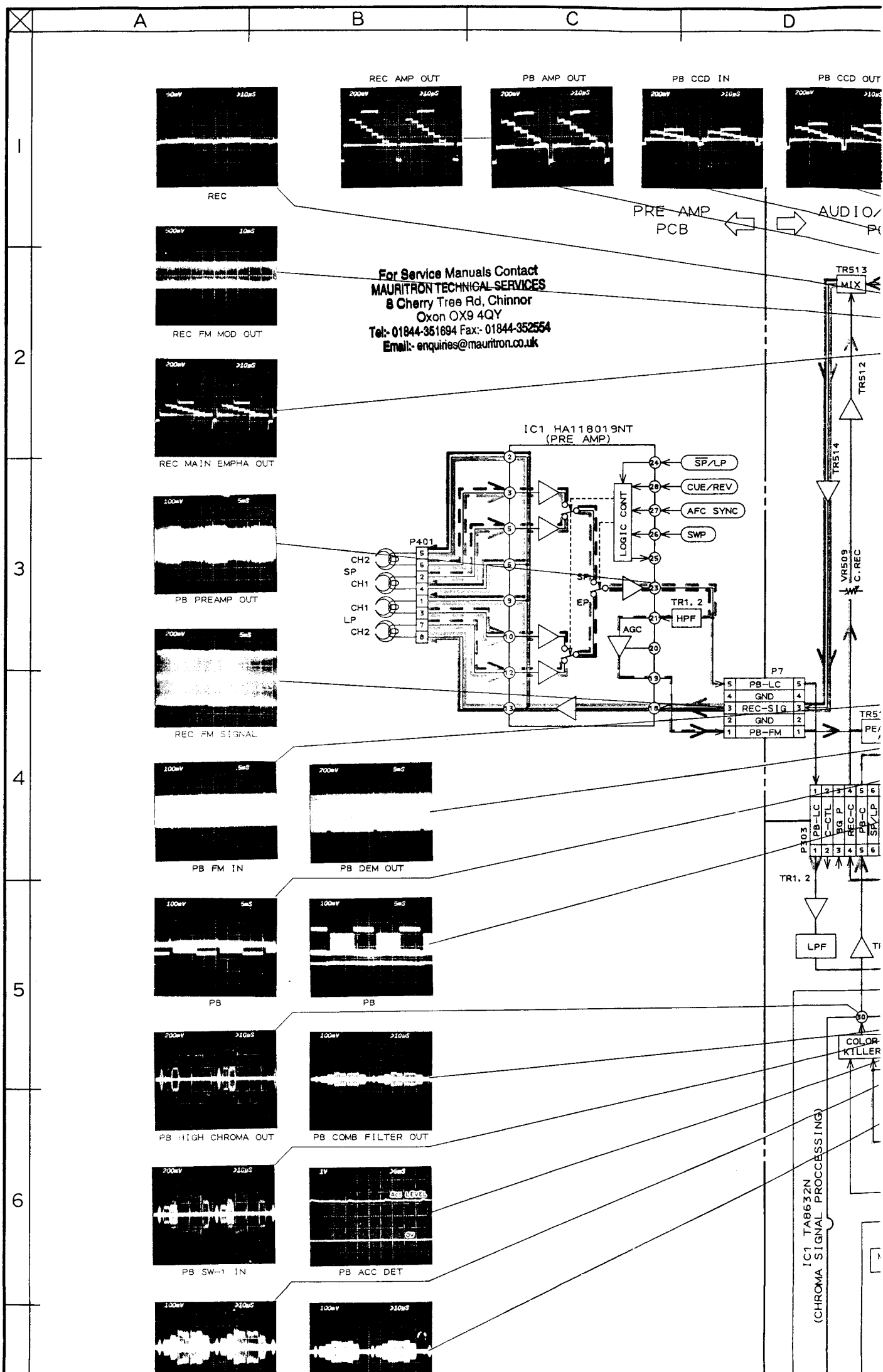


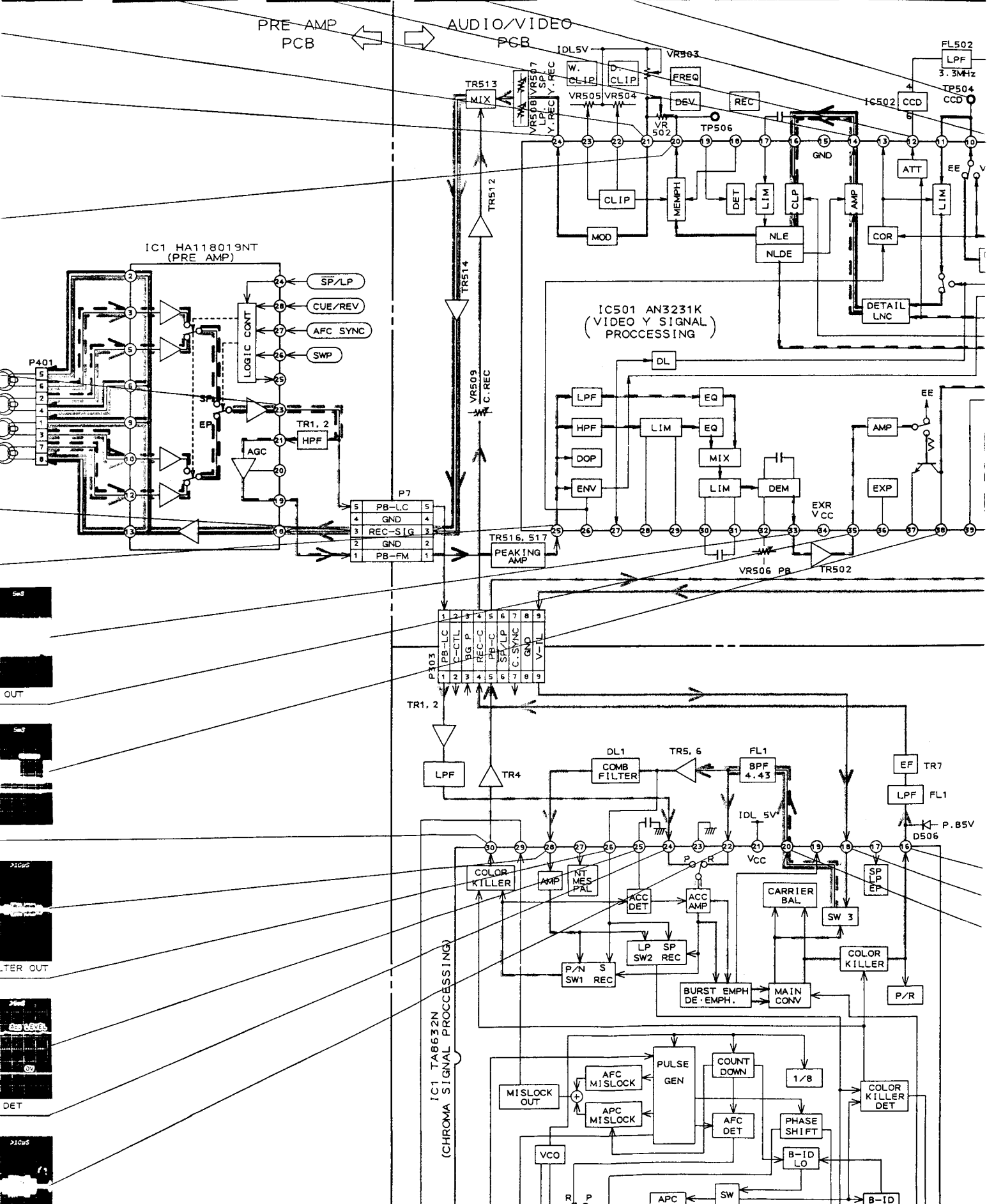
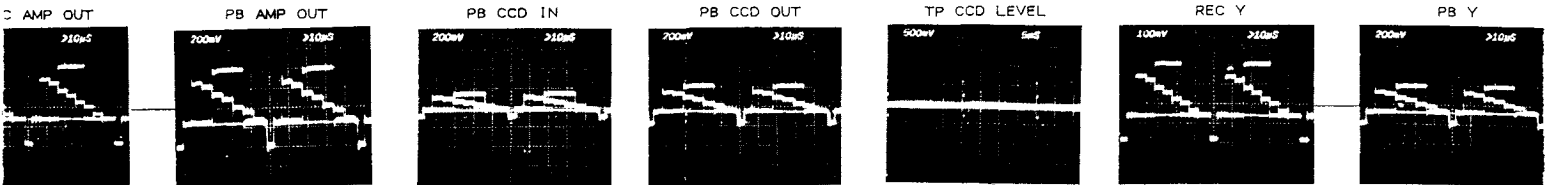
V  
A  
B  
N

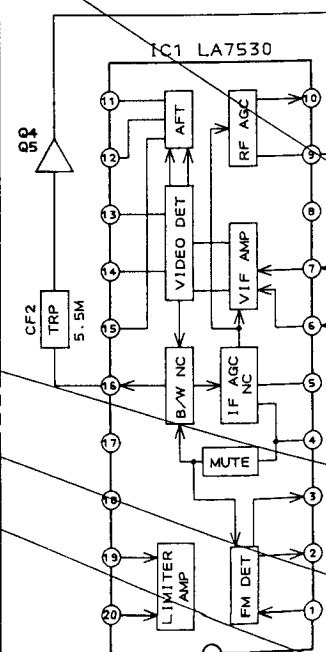
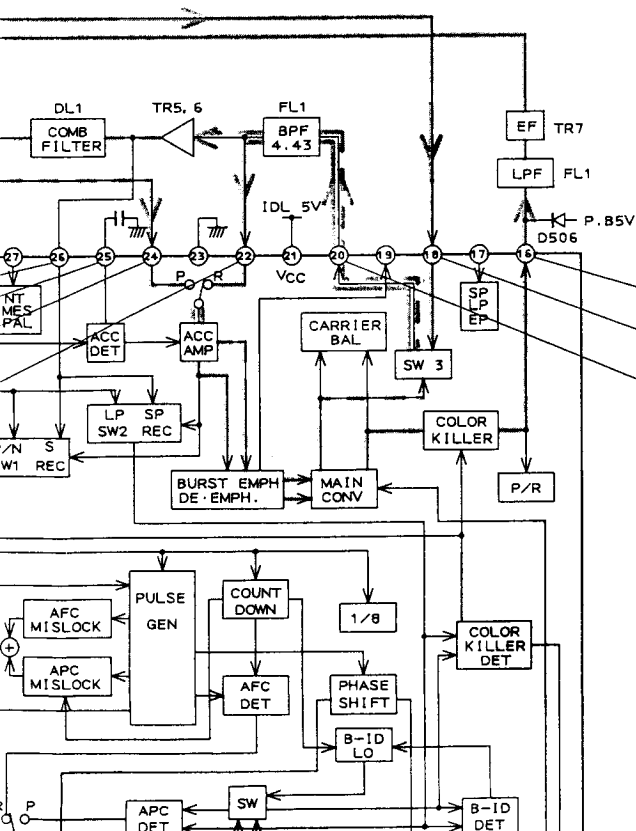
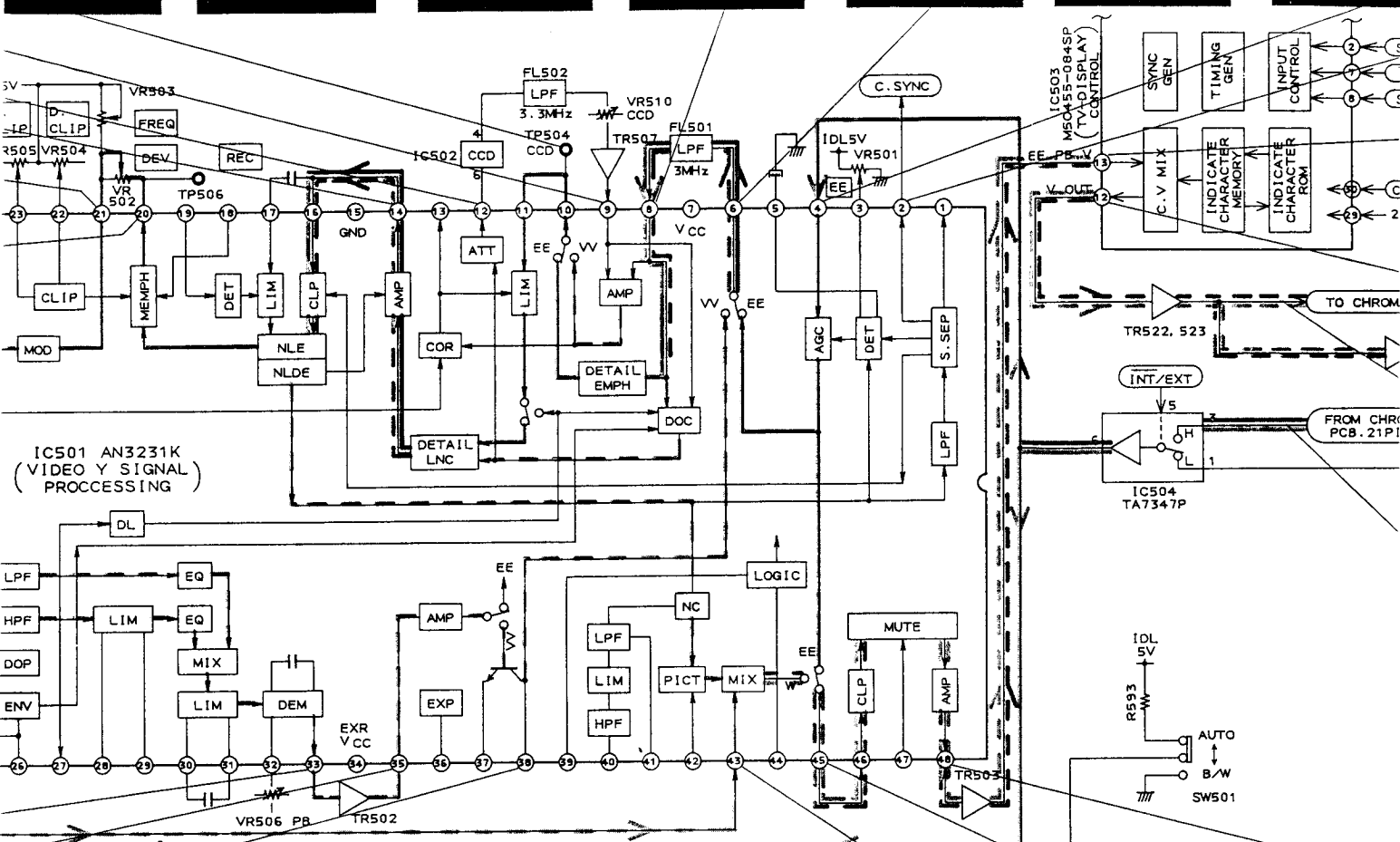
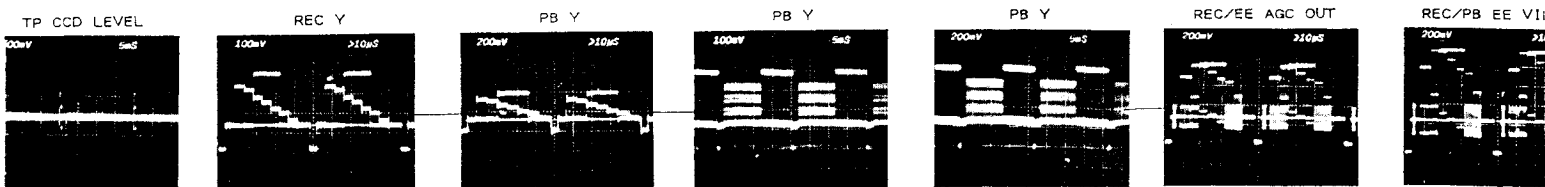
## SURROUND PCB



VS-A77EK  
 AUDIO  
 BLOCK DIAGRAM  
 NO. 6-5 V108632M







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Oxon OX9 4QY  
Tel: 01844 351694 Fax: 01844 352554  
Email: [enquiries@mauritron.co.uk](mailto:enquiries@mauritron.co.uk)**

H

I

J

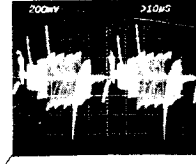
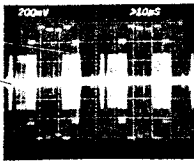
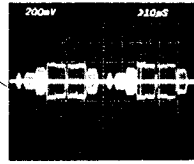
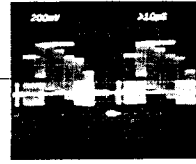
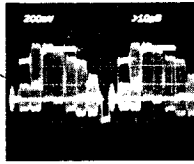
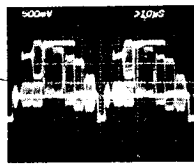
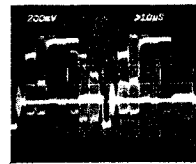
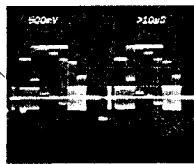
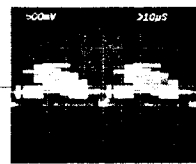
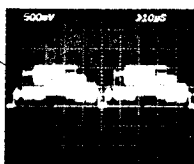
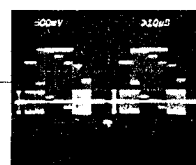
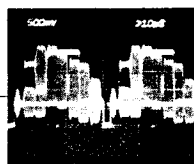
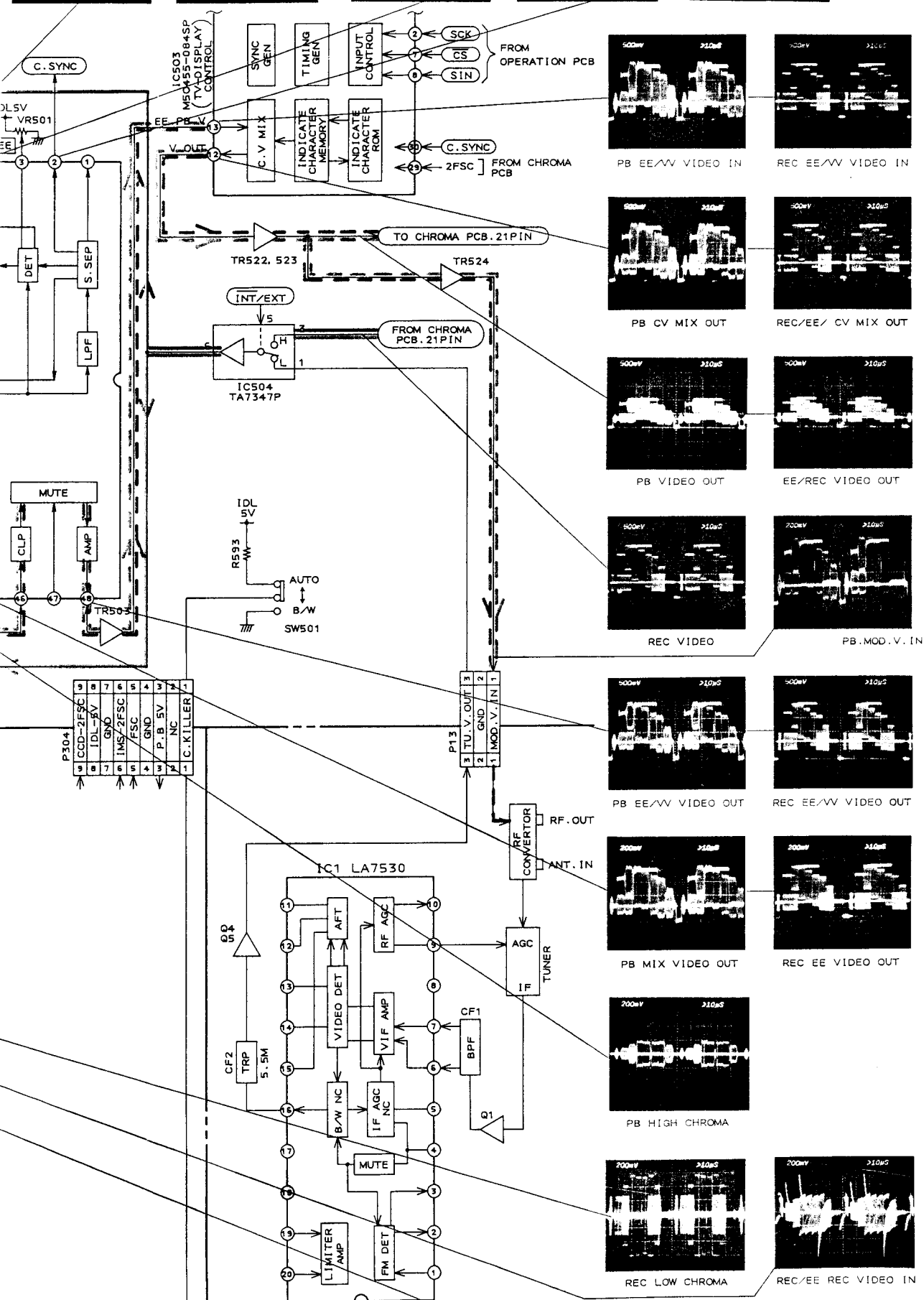
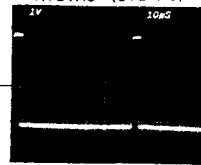
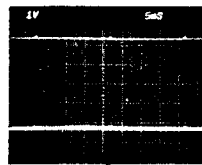
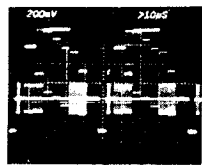
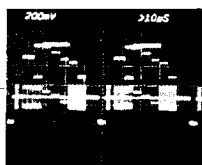
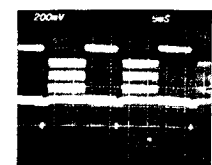
K

PB V

REC/EE AGC OUT

REC/PB EE VIDEO

EE/REC/PB C.SYNC

EE/REC/PB  
H.SYNC (C.SYNC)

2

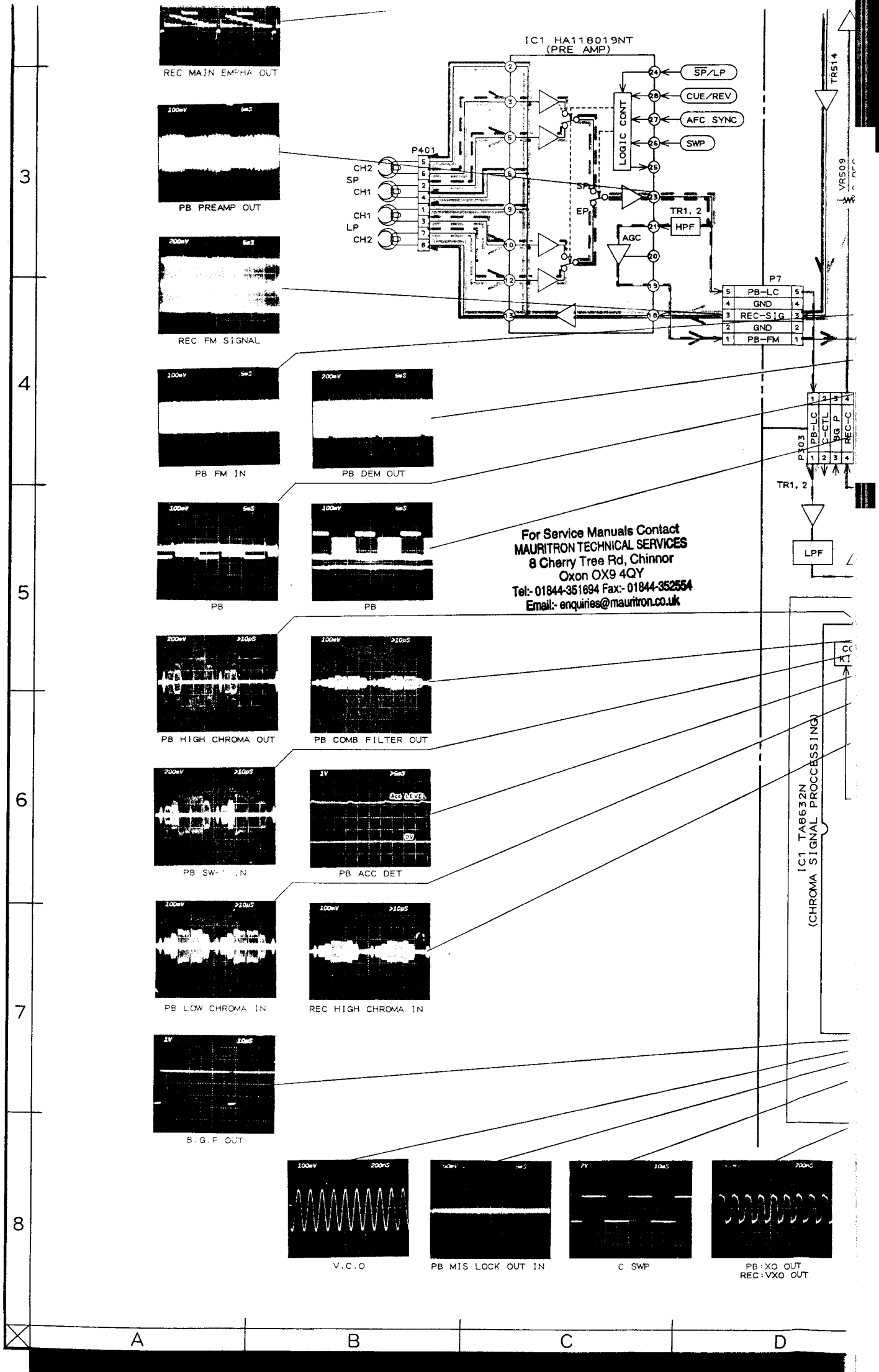
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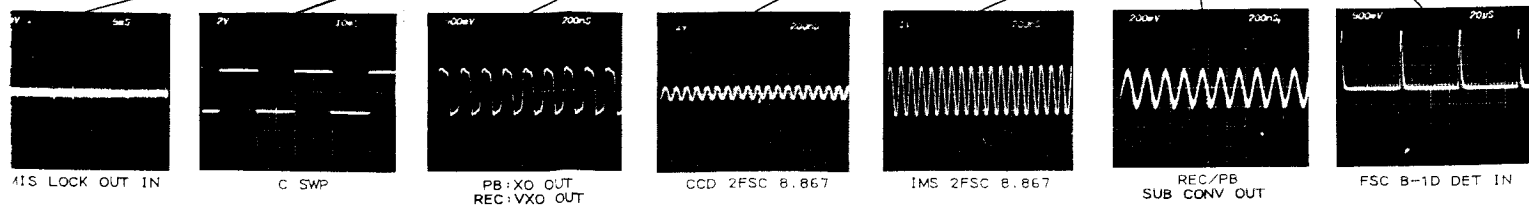
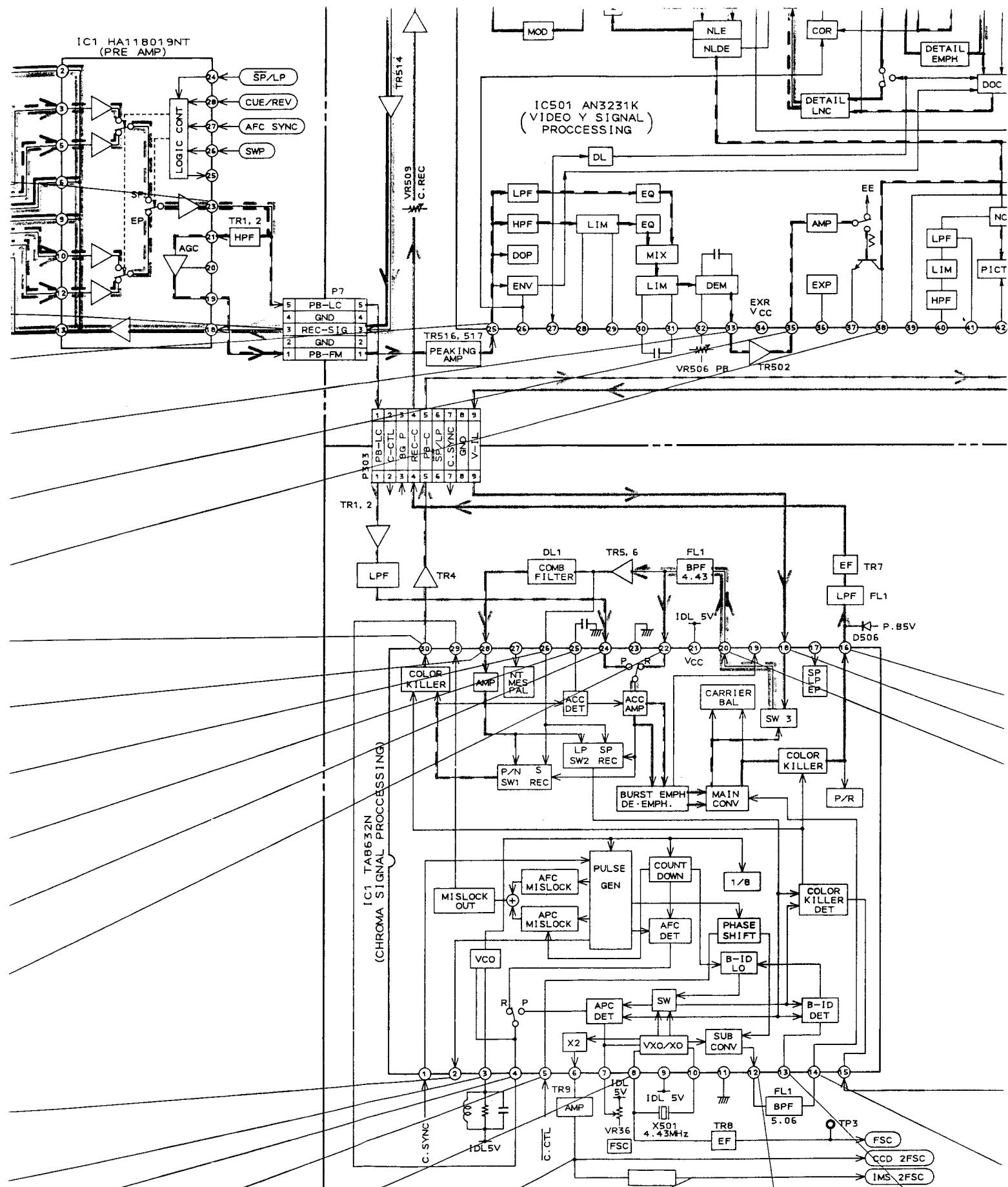
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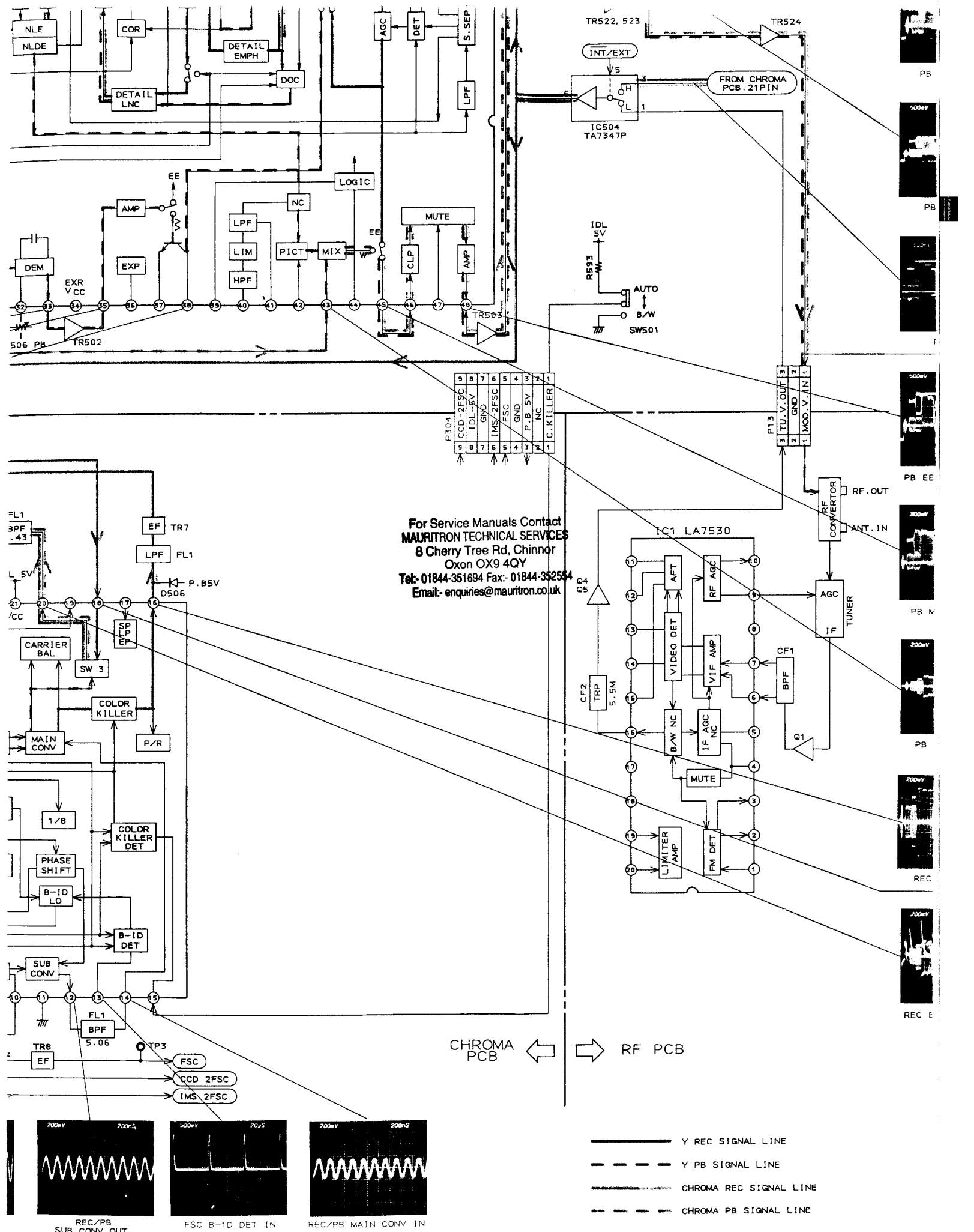


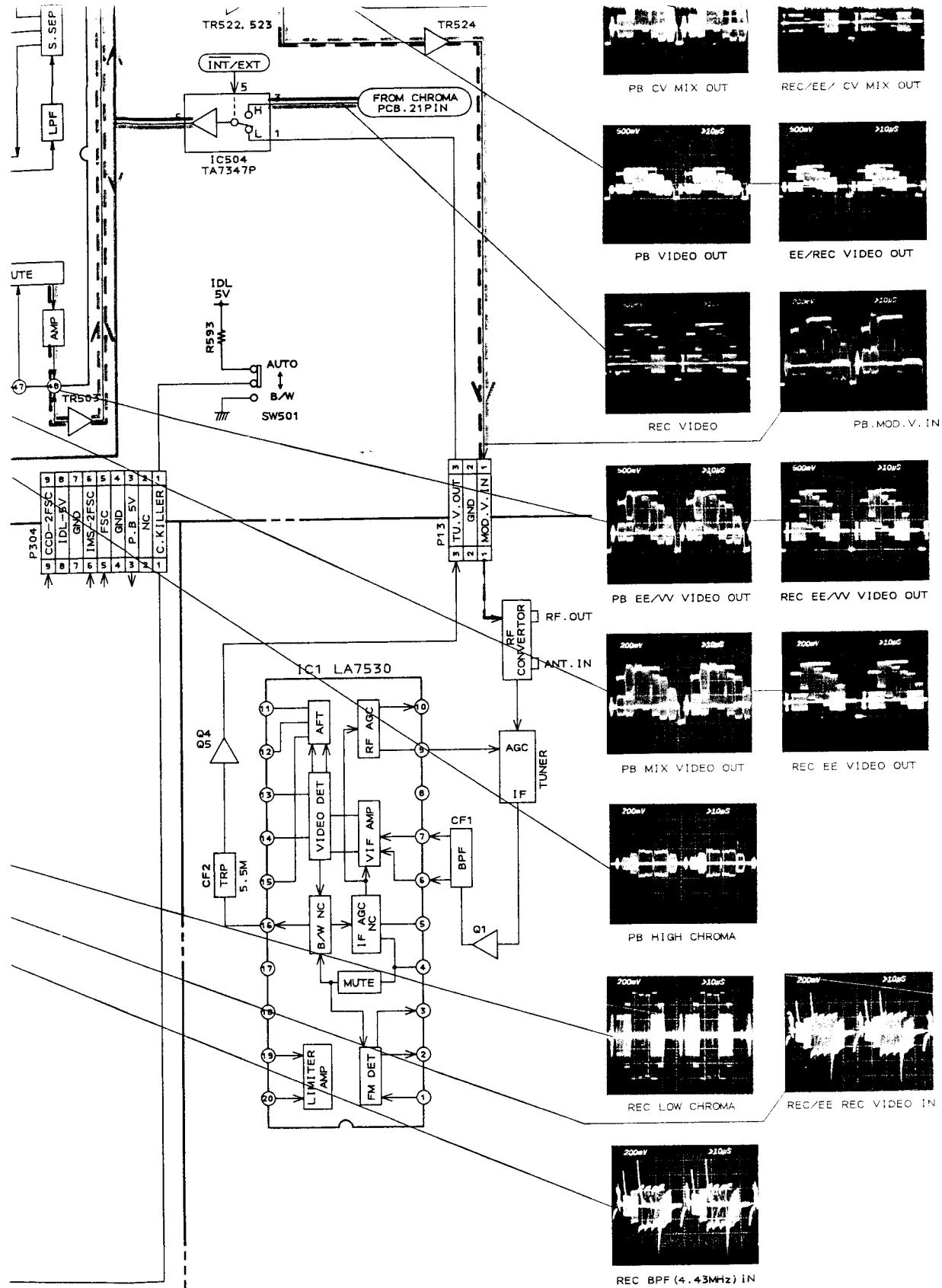
C

D

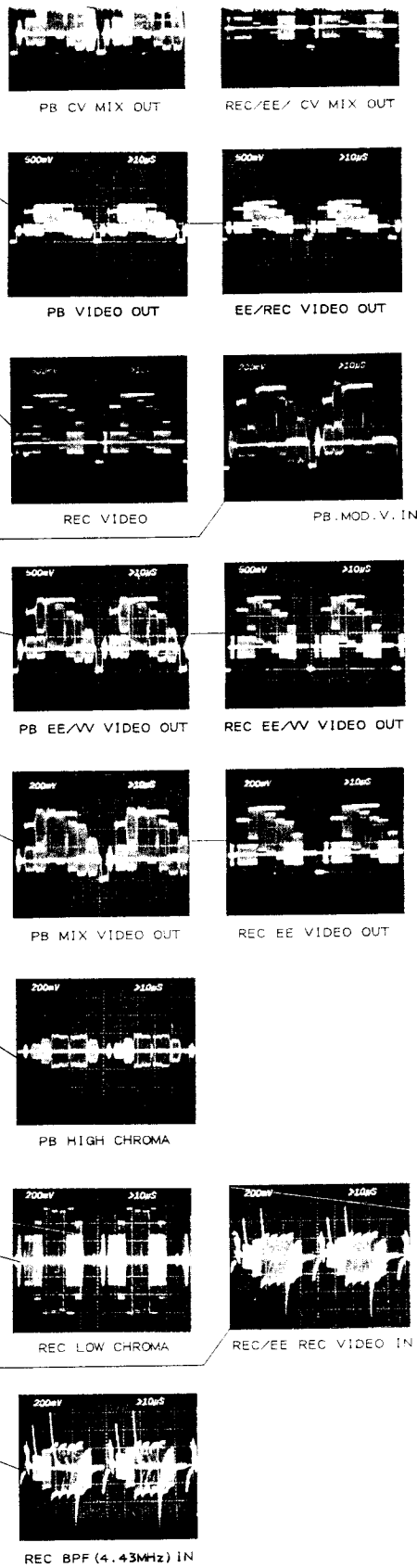
E

F





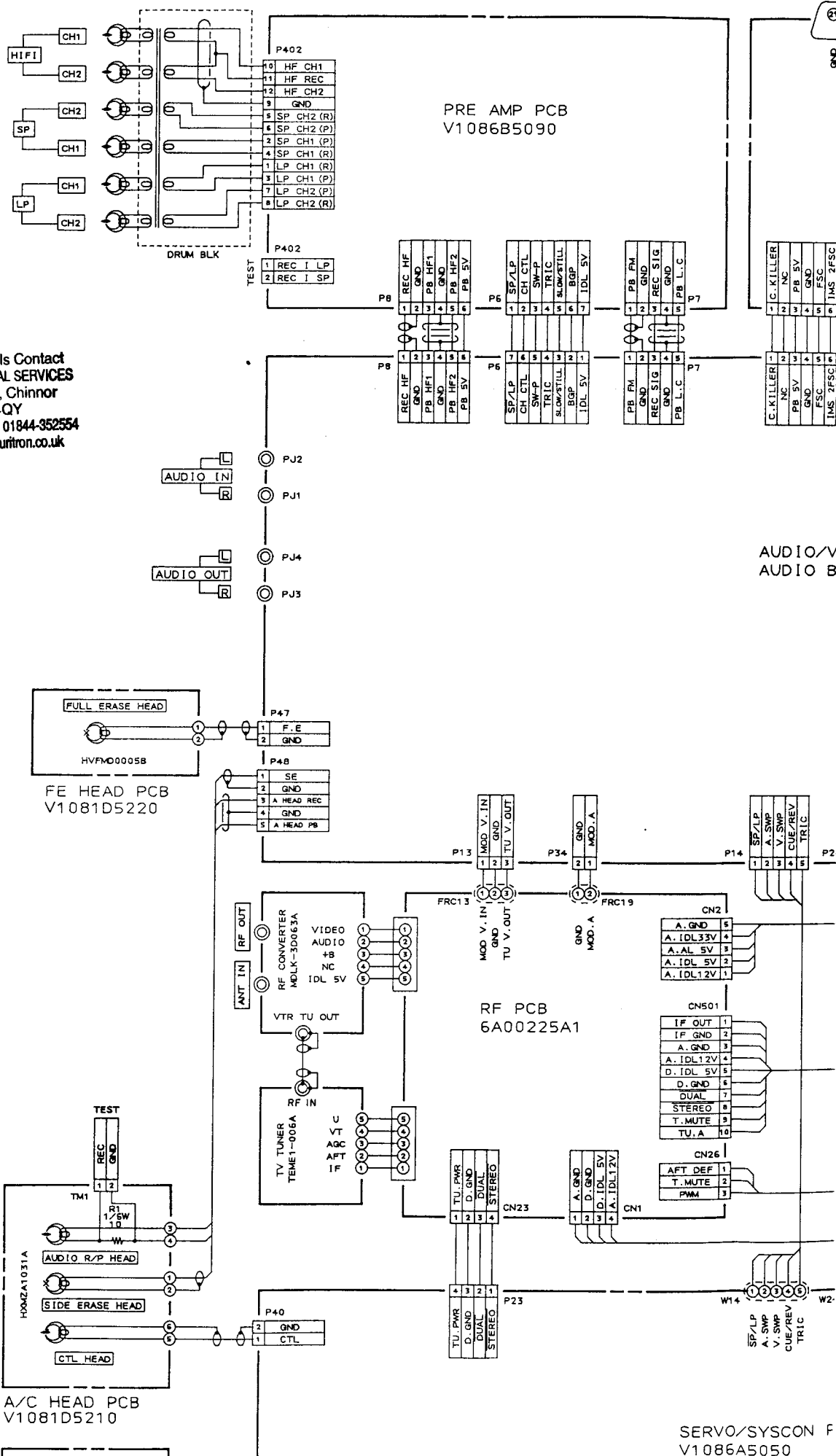
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 - - - Y PB SIGNAL LINE  
 ——— CHROMA REC SIGNAL LINE  
 ——— CHROMA PB SIGNAL LINE

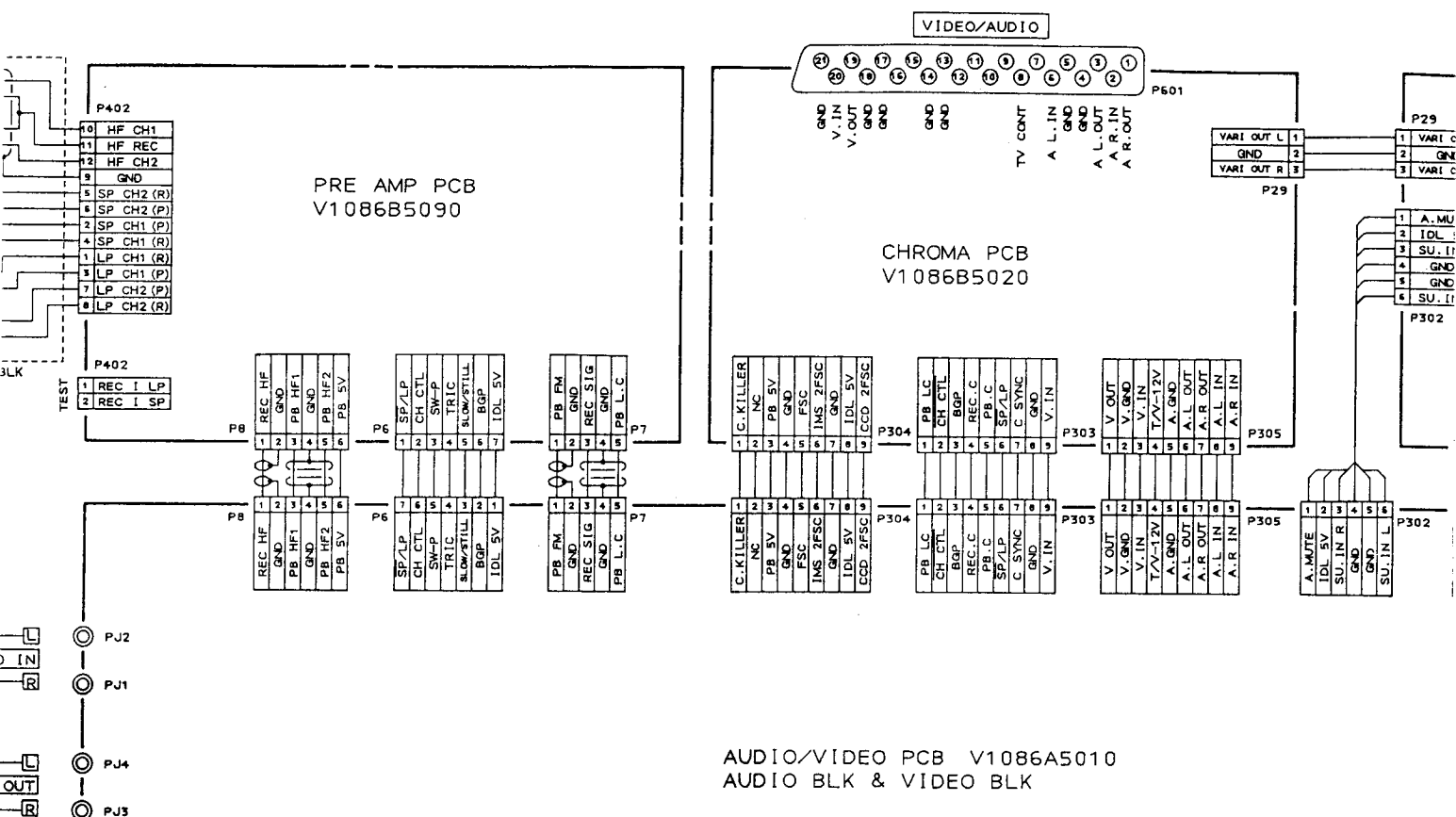


3  
4  
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7  
8

H I J K

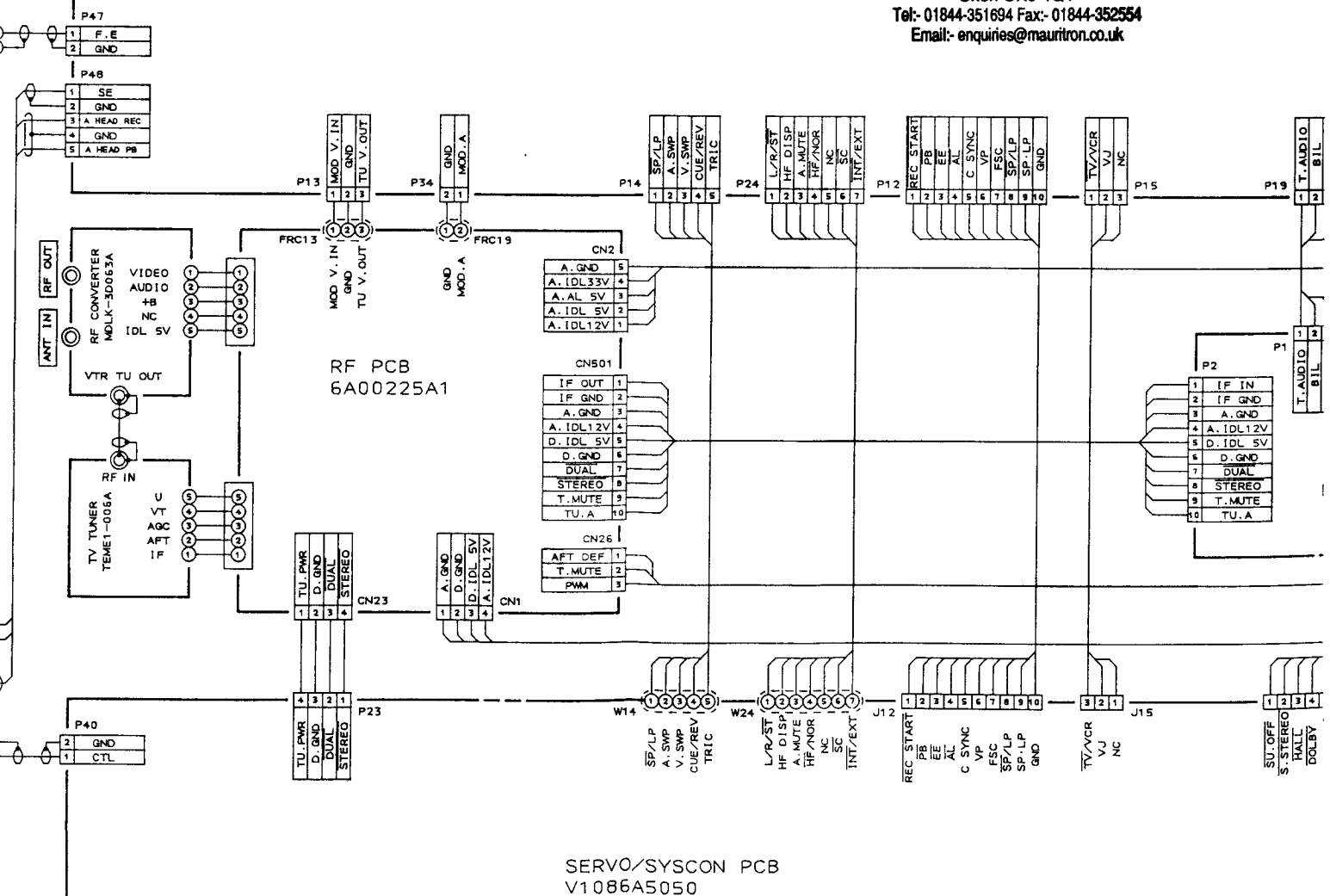
For Service Manuals Contact  
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 8 Cherry Tree Rd, Chinnor  
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 Tel: 01844-351694 Fax: 01844-352554  
 Email: enquiries@mauritron.co.uk

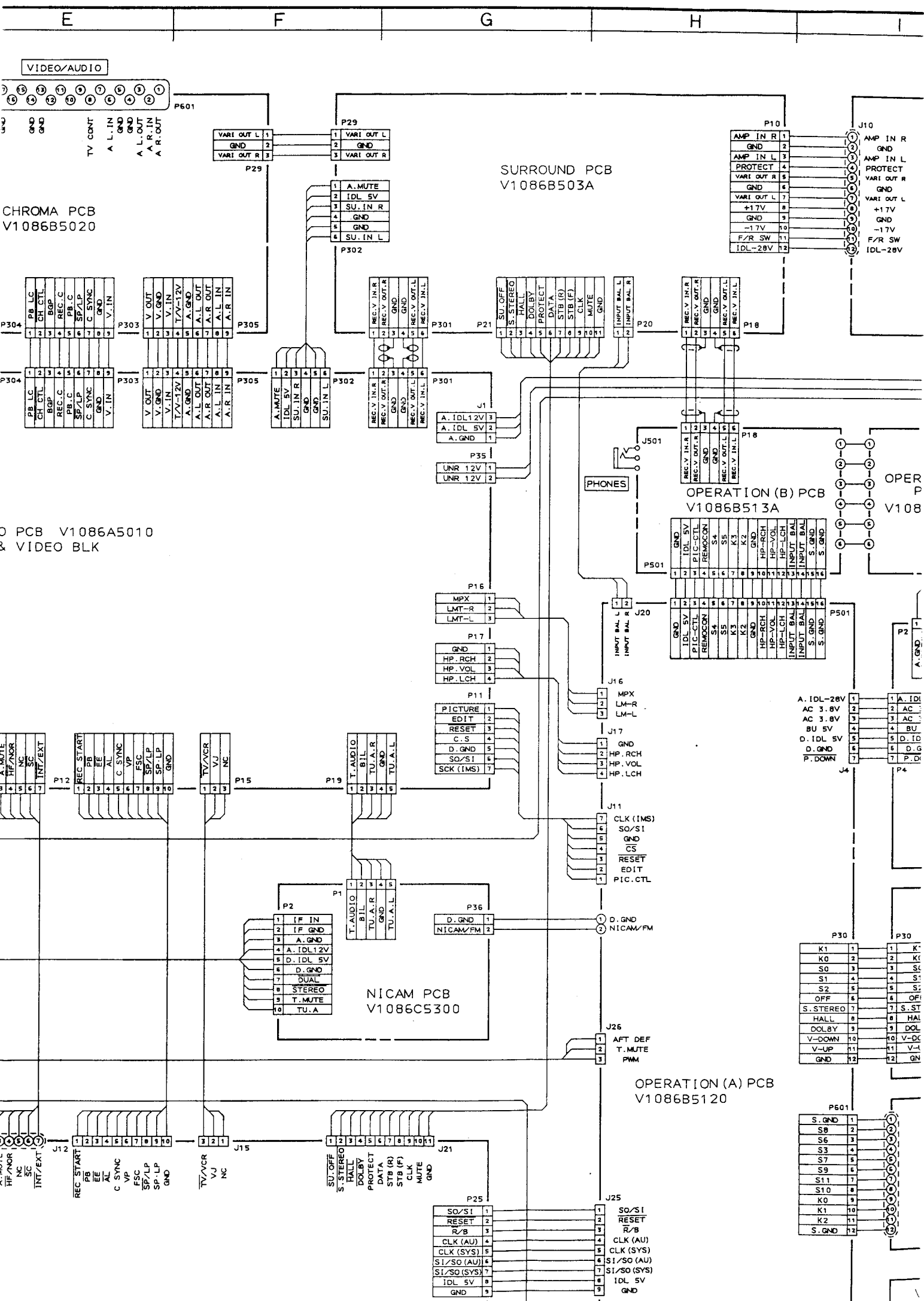


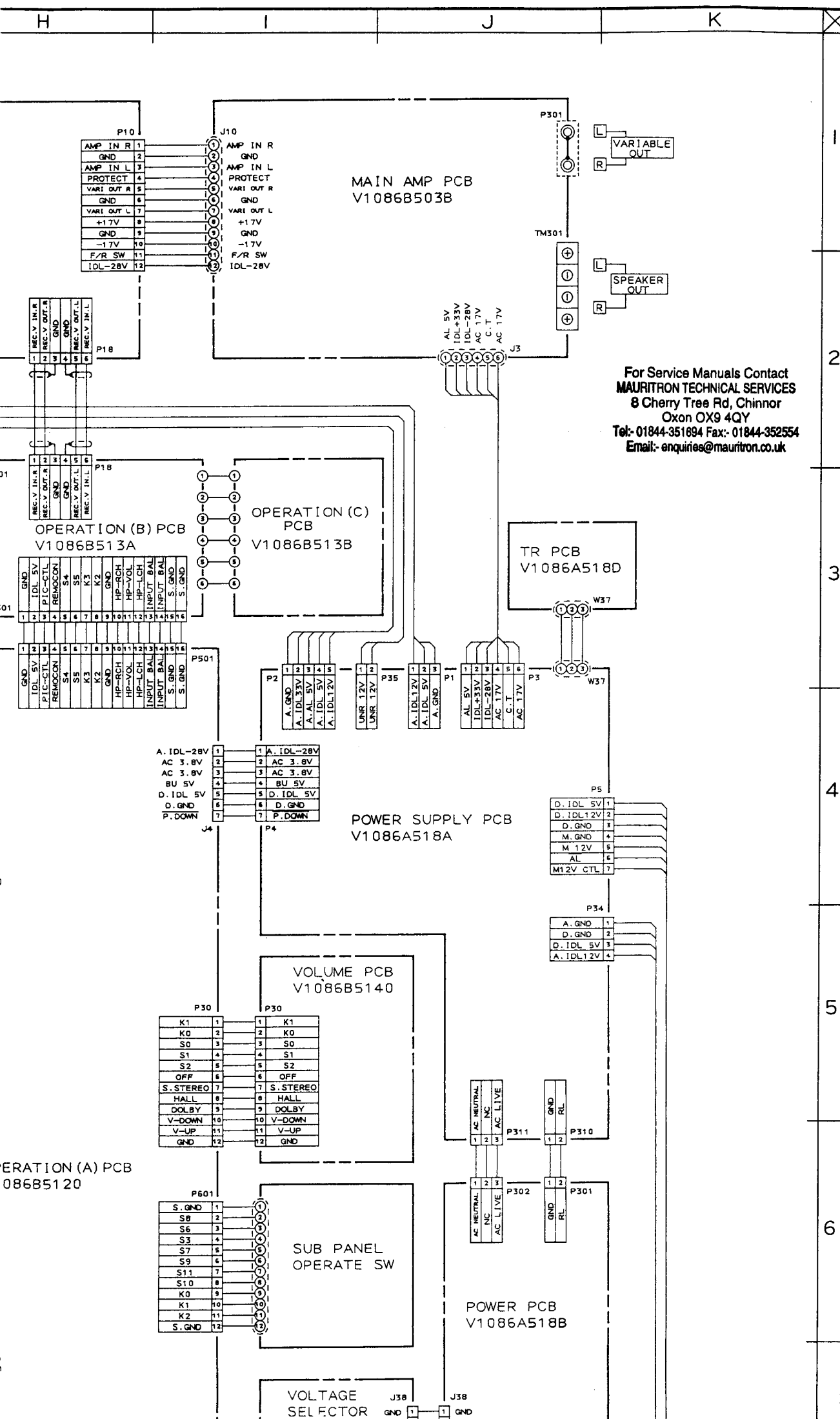


AUDIO/VIDEO PCB V1086A5010  
AUDIO BLK & VIDEO BLK

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Email: enquiries@mauritron.co.uk









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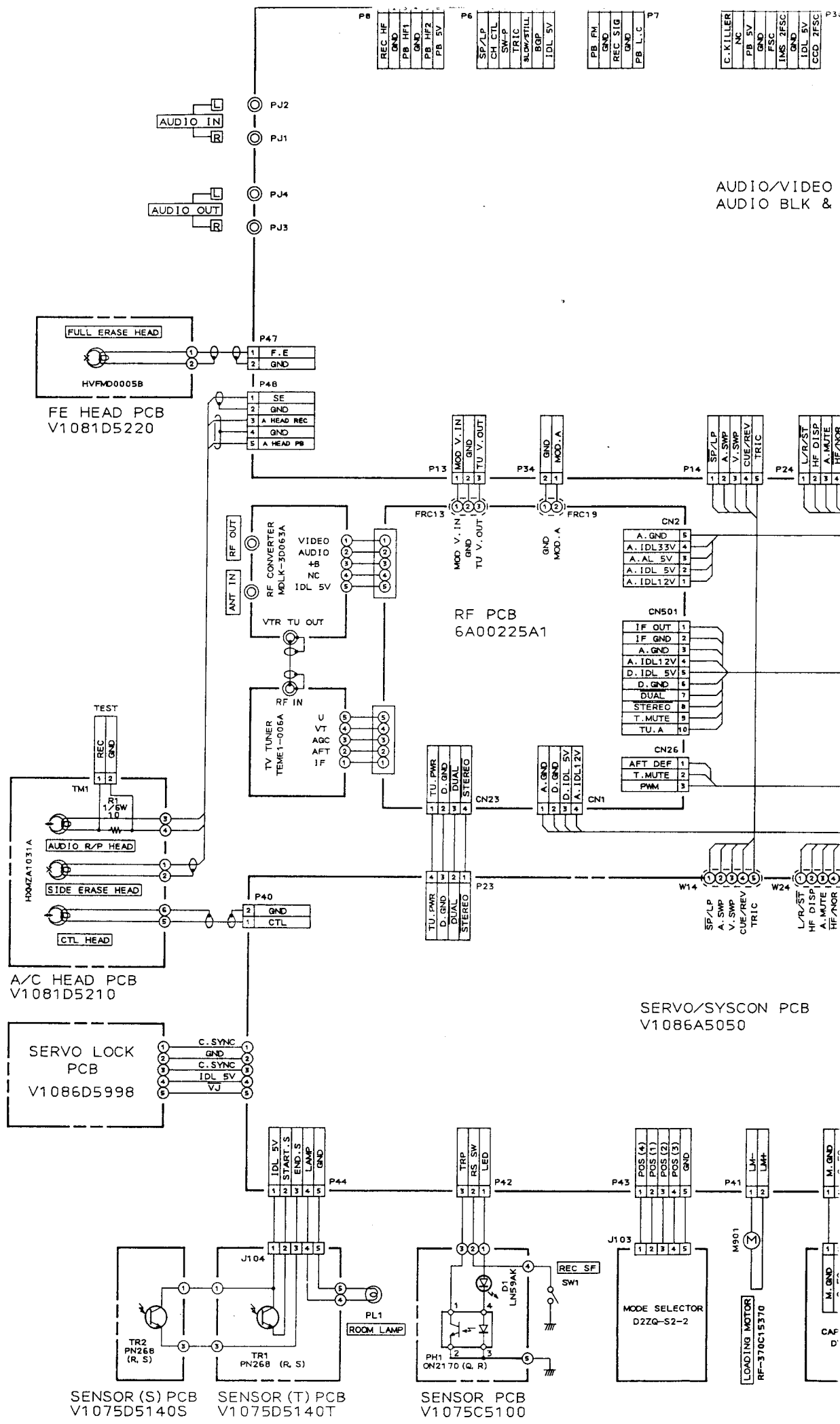
8

A

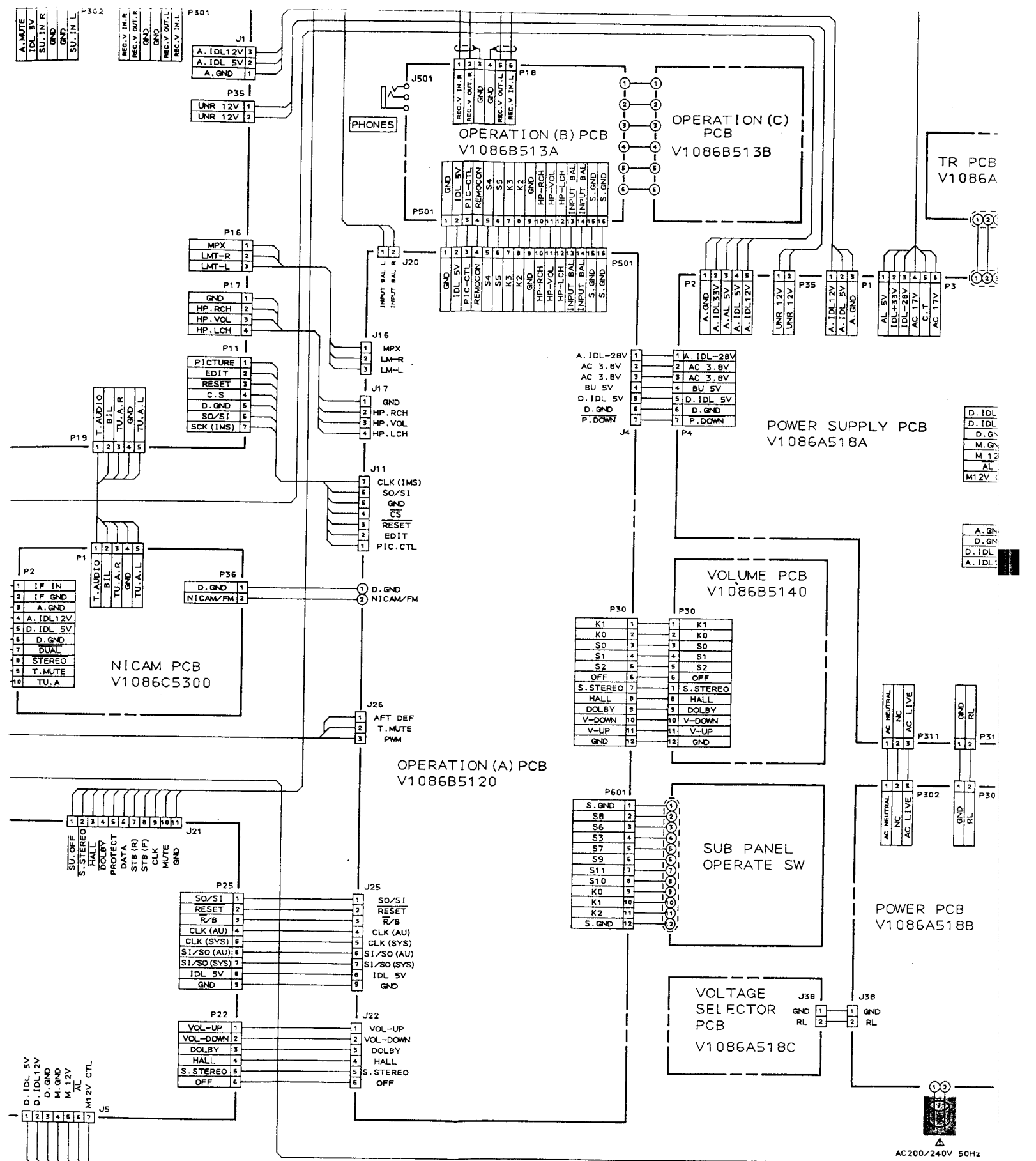
B

C

D

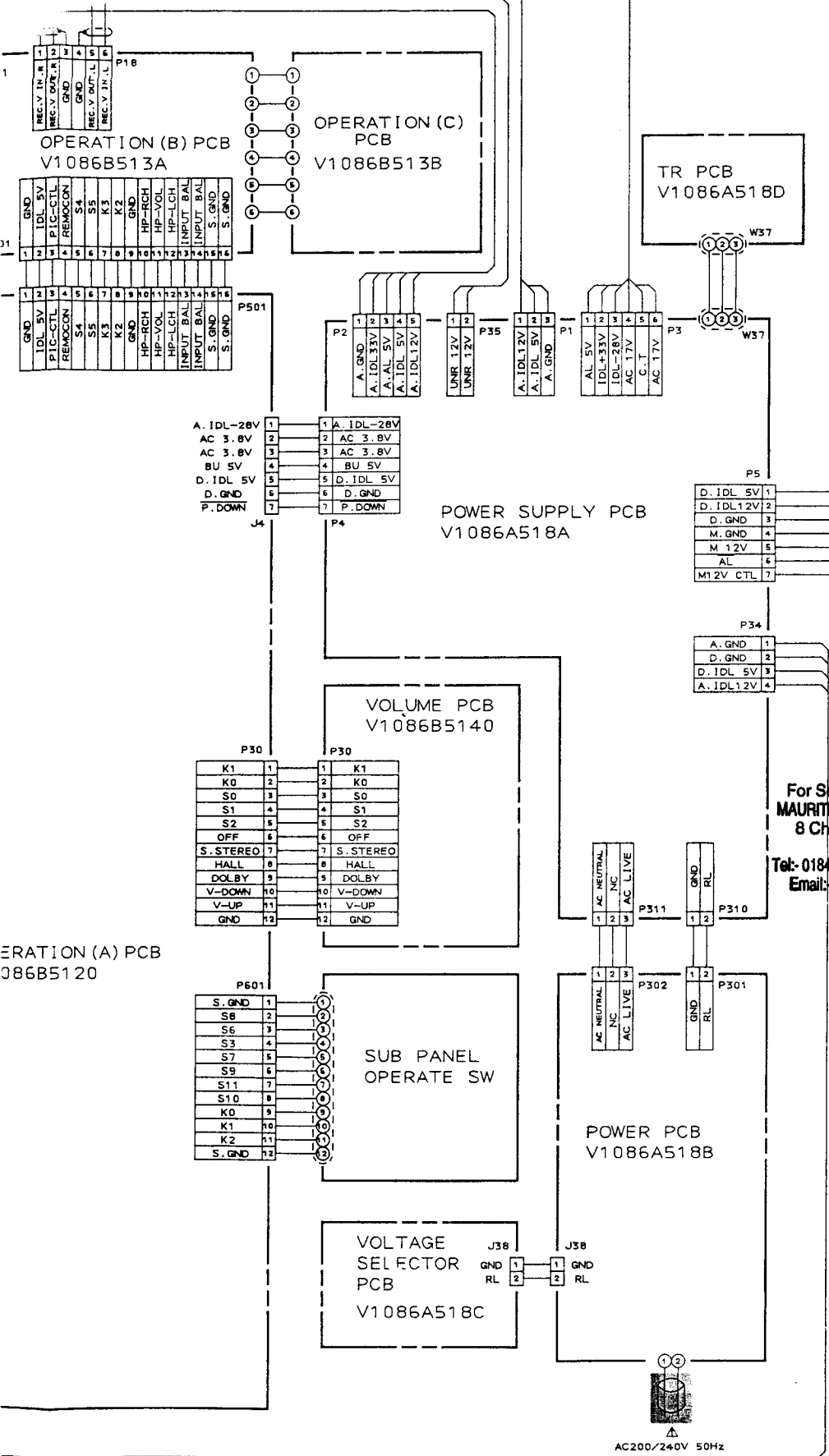






VS-A77E  
CONNECTI

NO. 14-



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 Email: enquiries@mauritron.co.uk

AND INDICATE SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY. PLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED RTS  
 NT: ET ILS INDIQUENT LES COMPOSANTS CRITIQUES DE SÉCURITÉ. NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT

# VS-A77EK CONNECTION DIAGRAM NO.14-1 V108621M

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 Oxon OX9 4QY  
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 Email:- enquiries@mauritron.co.uk

# A/C HEAD PCB IO81D5210

FULL ERASE I  
 VIO81D5

