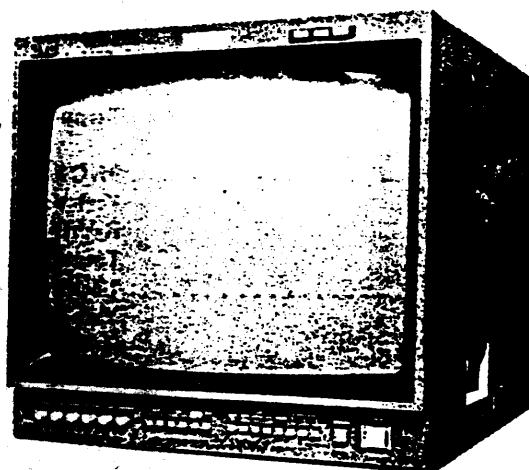


JVC

SERVICE MANUAL

COMPOSITE VIDEO MONITOR

MODEL VM-R200PSN



SAFETY PRECAUTION

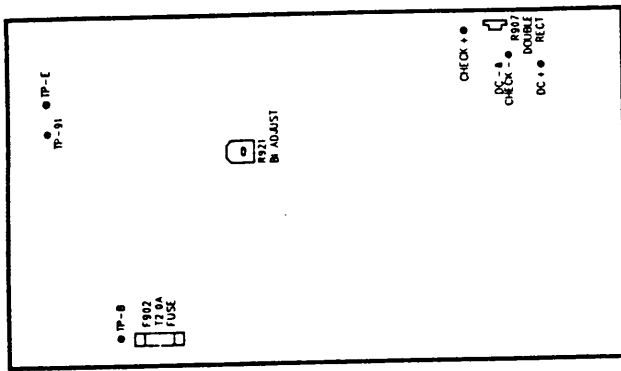
As for safety precautions including electric shock prevention, use of designated components, or safety inspection after servicing, refer to the appended PAL/SECAM-C 870807.

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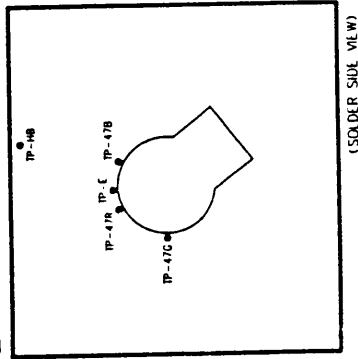
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TOP
←

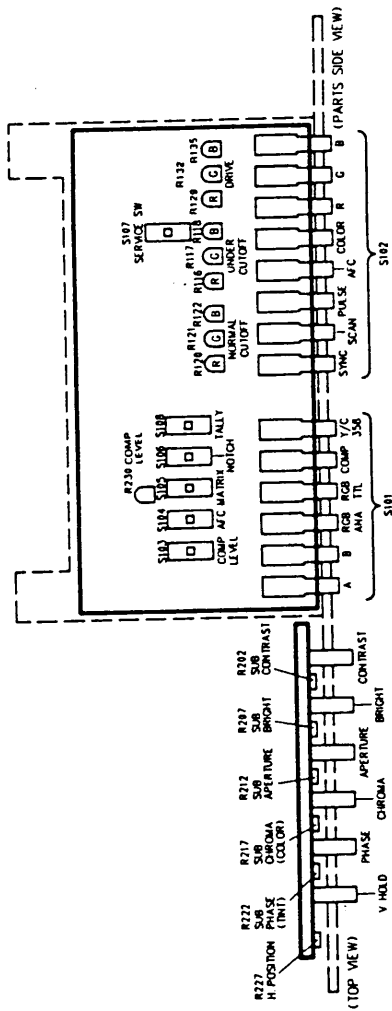
■ FX-9005A (POWER P.C.B.)



■ FX-1009A (CRT SOCKET P.C.B.)



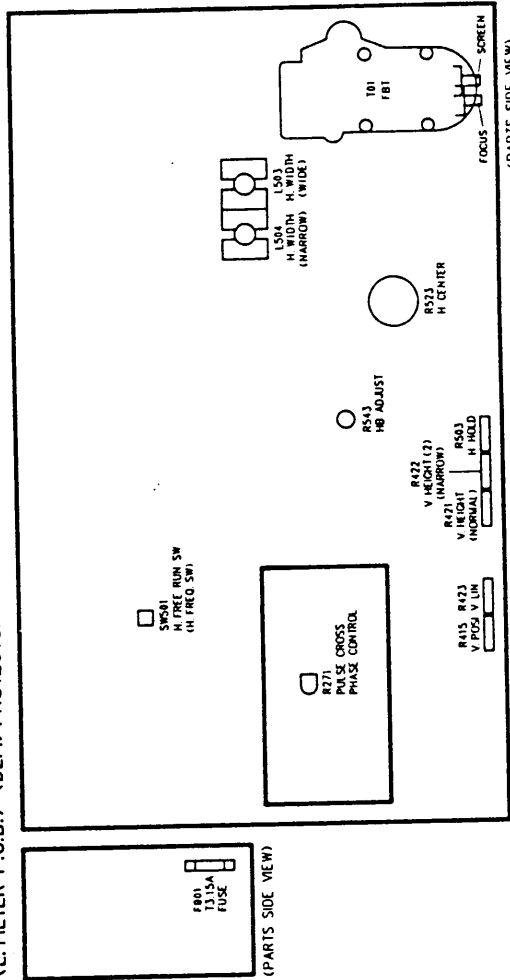
FX-4008A (CONTROL/SWITCH P.C.B.)



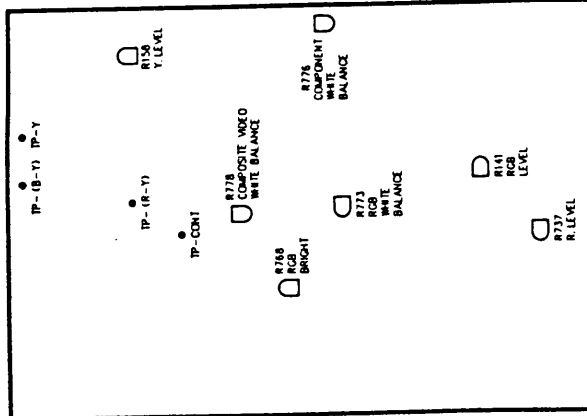
FRONT

↑ FRONT

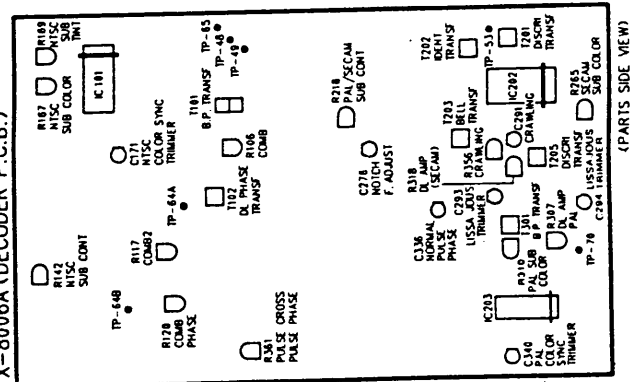
■ FX-9005A ■ FX-2002A
(L. FILTER P.C.B.) (DEF./PROTECTOR P.C.B.)



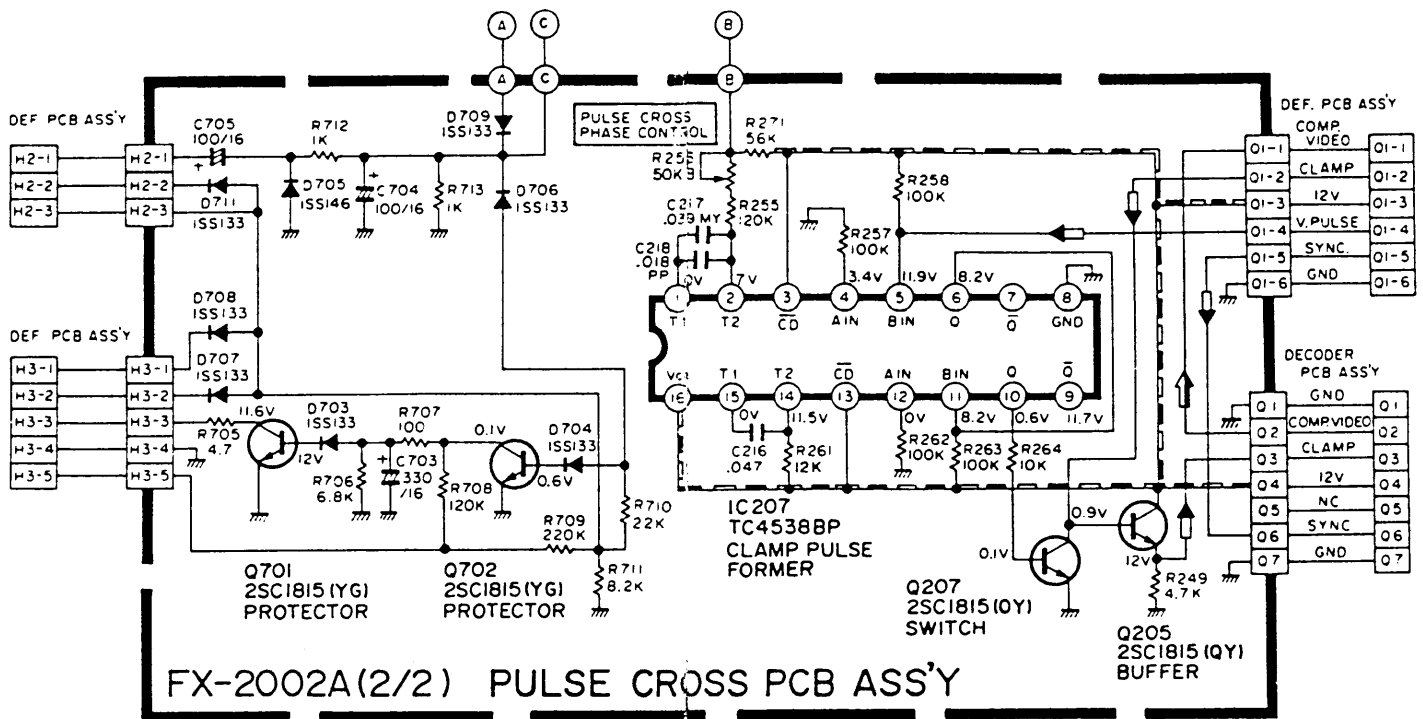
FX-1009A (SIGNAL P.C.B.)



■ 5Y-8006A (DECODER P.C.B.) (SOLDER SIDE VIEW)



PULSE CROSS CIRCUIT

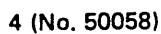


■ PARTS LIST (shaded parts in the schematic diagram)

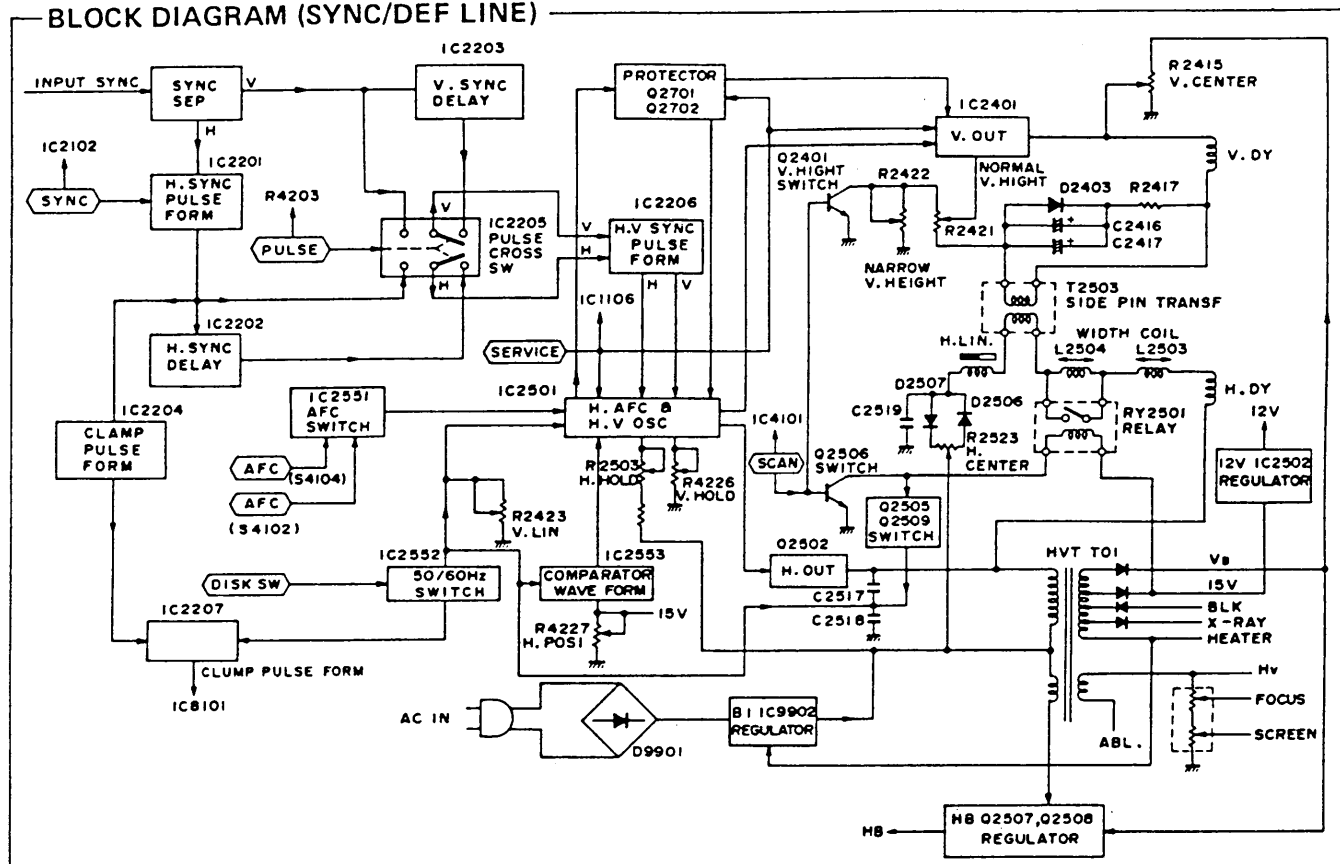
SYMBOL NO.	PART NO.	PART NAME
FX-1009A		
R1276	ORG09J-330S	OMR
OTHER		
	A75522-C	CRT SOCKET
FX-2001A		
RESISTOR		
R2702	CJ39622-00F	R BLOCK
CAPACITOR		
C2517	QF20081-1001S	MPP CAP.
C2518	QF20081-1501S	MPP CAP.
C2521	QF20081-2501S	MPP CAP.
C2522	QFM72DK-223M	M CAP.
C2523	QF20381-1801S	MPP CAP.
C2524	QFM72DK-104M	M CAP.
C2525	QF20081-2201S	MPP CAP.
TRANSFORMER		
T2502	A46022-BM	H DRIVE TRANSFORMER
DIODE		
D2701	HZ7B2L-C1	ZENER DIODE
TRANSISTOR		
Q2502	2SD1555-LB	SI TRANSISTOR
OTHER		
FR2530	QRZ0055-4R7M	FR
CP2001	ICP-F50	IC PROTECTOR
FX-9005A		
RESISTOR		
R9551	QRD0129J-474S	CR
CAPACITOR		
C9901	QF29022-224M	MF CAP.
C9902	QF29022-224M	MF CAP.
C9905	QCZ9034-472A	C CAP.
C9906	QCZ9034-472A	C CAP.

SYMBOL NO.	PART NO.	PART NAME
C9923	QCZ9036-102M	C CAP.
C9924	QCZ9036-471M	C CAP.
C9926	QCZ9036-102M	C CAP.
C9927	QCZ9036-471M	C CAP.
C9928	QCZ9036-472M	C CAP.
C9929	QCZ9036-472M	C CAP.
C9955	QFZ9022-224M	M CAP.
C9956	QFZ9022-104M	M CAP.
C9957	QFZ9022-224M	M CAP.
C9958	QFZ9022-224M	M CAP.
TRANSFORMER		
T9901	CE41100-00B	SW TRANSFORMER
T9902	CE41059-00B	DRIVE TRANSFORMER
IC		
IC9902	STR30110-A	IC
OTHER		
F9901	OMF51E2-3R15S	FUSE
F9902	OMF51E2-2R0S	FUSE
LF9901	CE40578-00A	LINE FILTER
LF9952	CE40578-00A	LINE FILTER
FR9917	QRZ0054-100M	FR
TH9901	A76038-T	TRANSISTOR
OUT SIDE OF PCB ASS'Y		
V01	M48JYE32X	PICTURE TUBE
L01	CJ39730-00B	DEG COIL
DY01	CJ27109-00A	DEF YOKE
T01	CJ27027-00B	FLYBACK TRANSFORMER
S01	QSP4D21-C04	POWER SWITCH
S02	QSP4C11-C02	REG SWITCH
	CE40811-00Q	NOISE FILTER
	QMP4908-200R	POWER CORD

- ### BLOCK DIAGRAM (SIGNAL LINE)



- BLOCK DIAGRAM (SYNC/DEF LINE)



■ TRUTH TABLE OF SWITCH IC

A large number of ICs are used in this monitor for each switch selection (SYNC, PULSE etc.). The following shows the switch-on conditions and on channels for your reference.

● TC4051BP, TC4053BP
(IC2101, IC2205)

CONTROL SIGNAL INPUT			ON-CHANNEL			
9PIN	10PIN	11PIN				
L	L	L	13PIN	12PIN	2PIN	5PIN
L	L	H	14 "	13 "	2 "	5 "
L	H	L	15 "	12 "	1 "	5 "
L	H	H	16 "	13 "	1 "	5 "
H	L	L	1 "	12 "	2 "	3 "
H	L	H	5 "	13 "	2 "	3 "
H	H	L	2 "	12 "	1 "	3 "
H	H	H	4 "	13 "	1 "	3 "
COMMON TERMINAL			3PIN	14PIN	15PIN	4PIN
IC			TC 4051BP	TC4053BP		

* L : LOW VOLTAGE, H : HI. VOLTAGE

※ 8-12, 9-13,etc. ; 8PIN & 12PIN, 9PIN & 13PIN ON

● AN5860
(IC1102, IC1104, IC1109, IC4101)

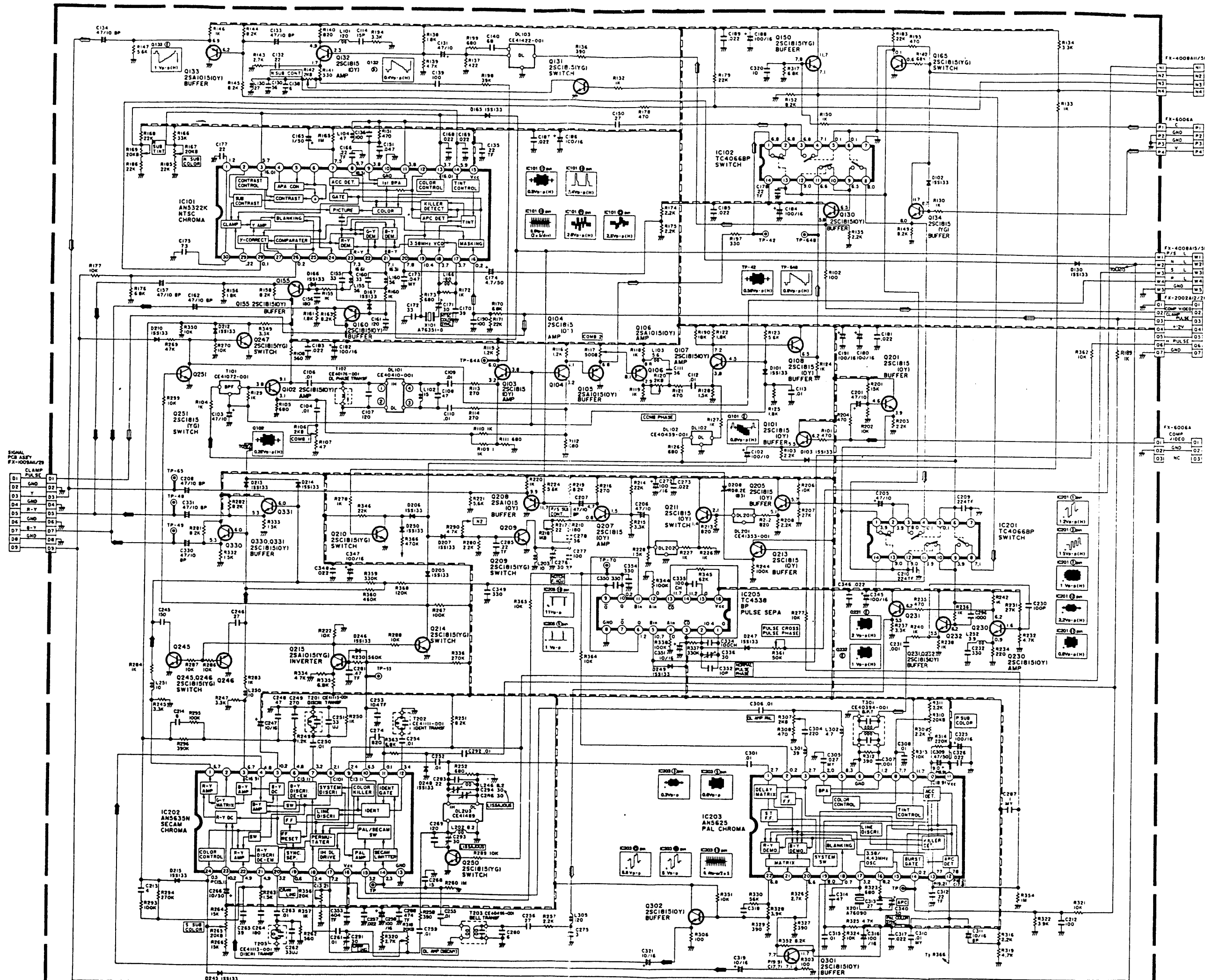
CONTROL SIGNAL INPUT	ON-CHANNEL
7PIN	
H	8 - 12, 9 - 13, 10 - 14 PIN PIN PIN PIN PIN PIN
L	8 - 4, 9 - 2, 10 - 2 " " " " " "

- LA7016 (IC6101)

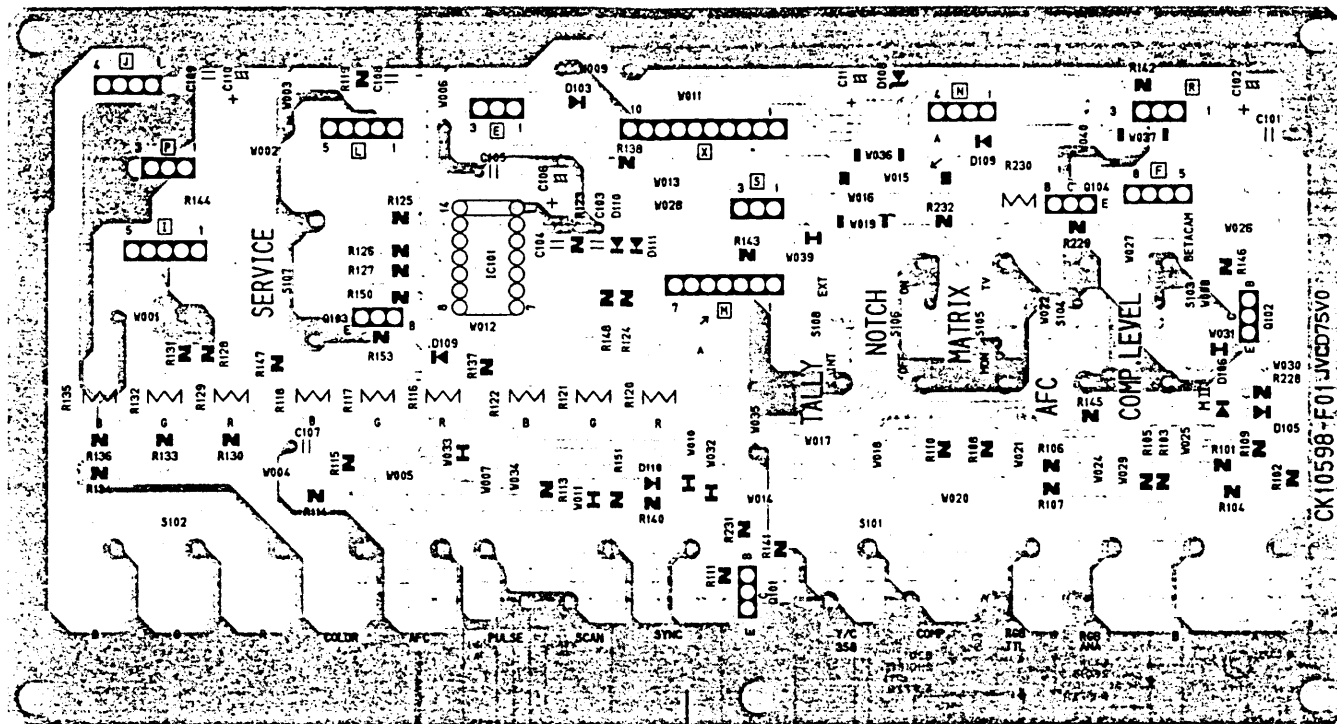
CONTROL SIGNAL INPUT	ON-CHANNEL
3PIN	
H	4PIN - 2PIN
L	4PIN - 7PIN

- TC4066BP
(IC2551, IC8102)

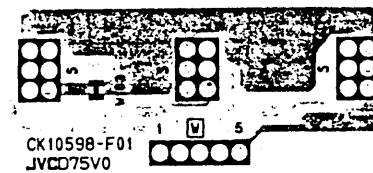
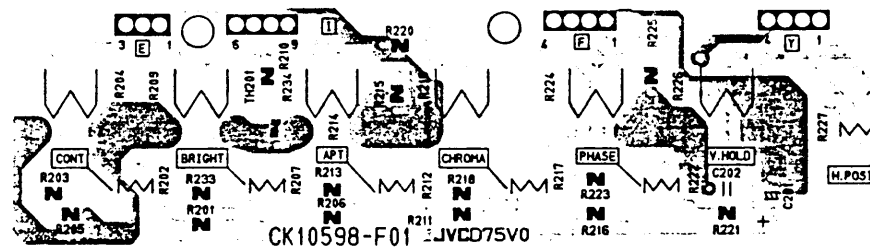
CONTROL SIGNAL INPUT				ON-CHANNEL
5PIN	6PIN	12PIN	13PIN	
H	\	\	\	4PIN - 3PIN
\	H	\	\	8PIN - 9PIN
\	\	H	\	10PIN - 11PIN
\	\	\	H	1PIN - 2PIN



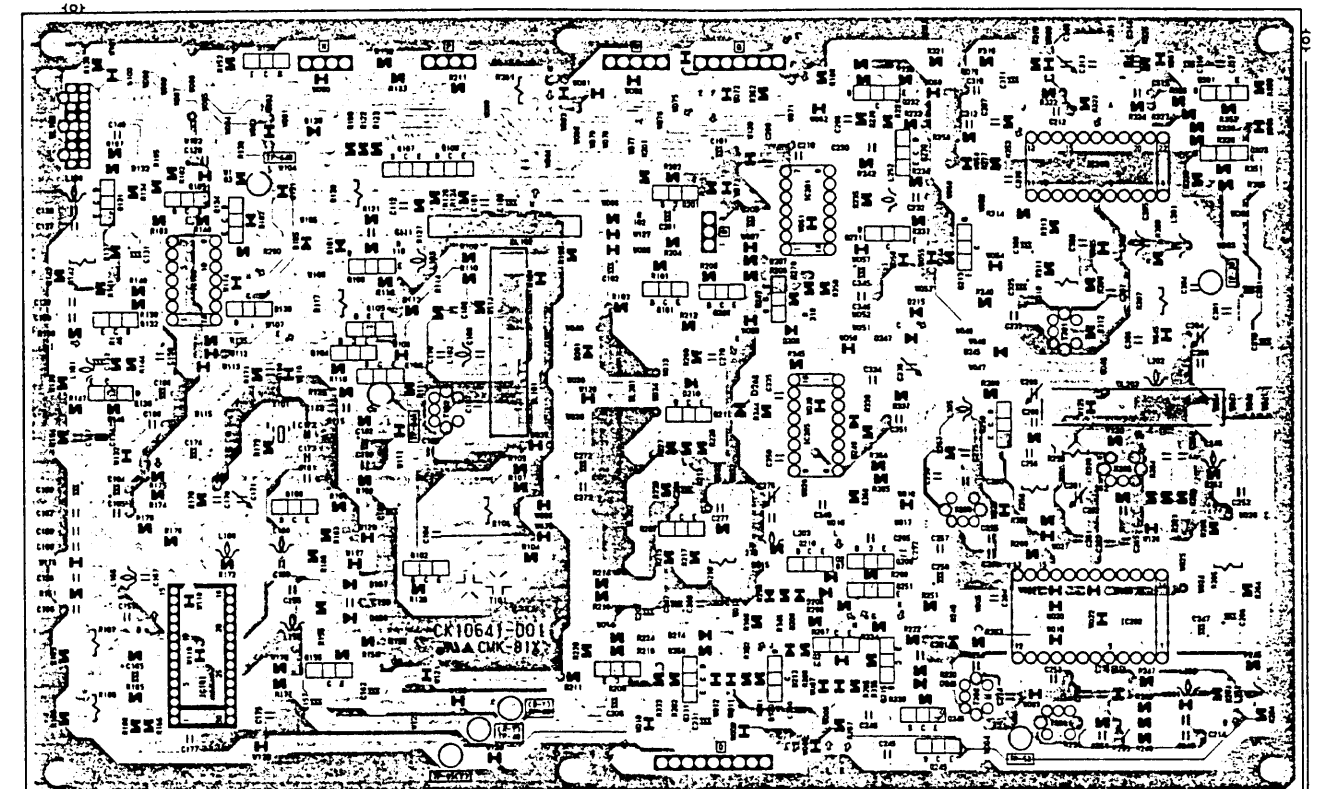
SWITCH P.C. BOARD FX-4008A



(7)

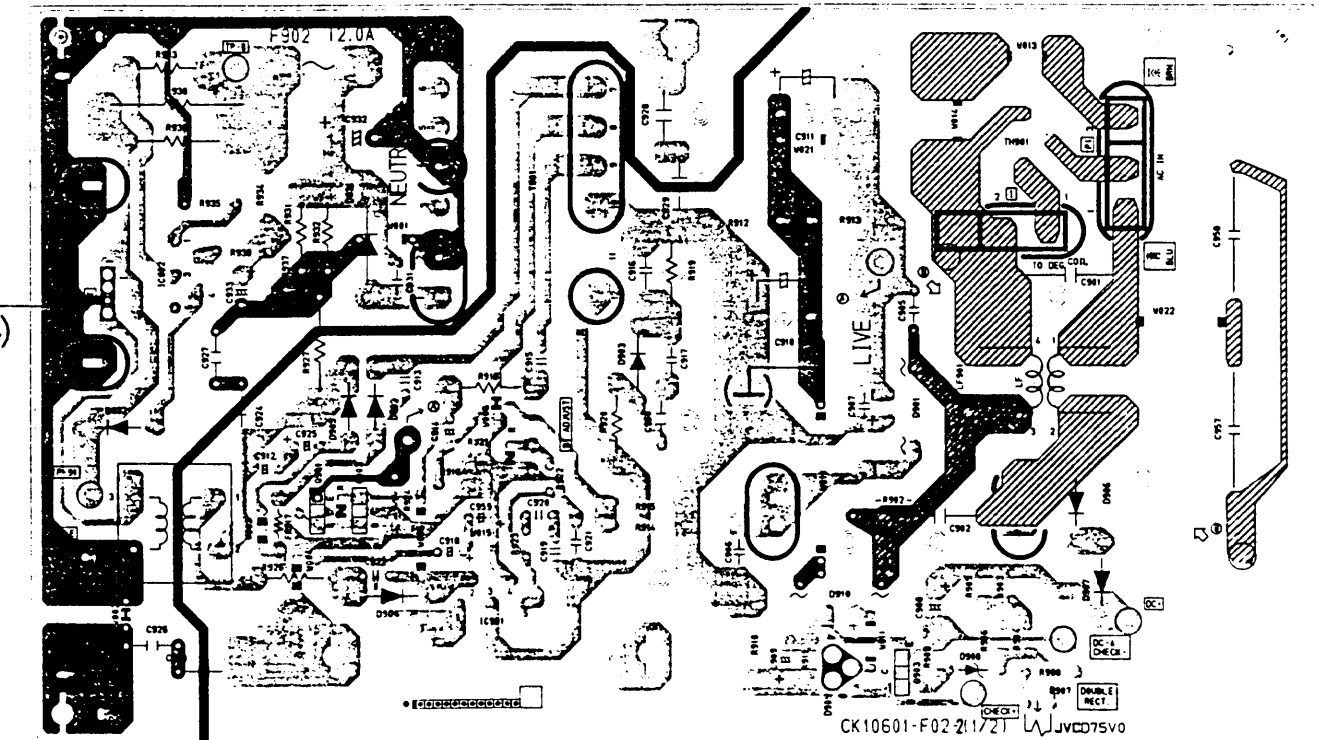


DECODER P.C. BOARD FX-8006A

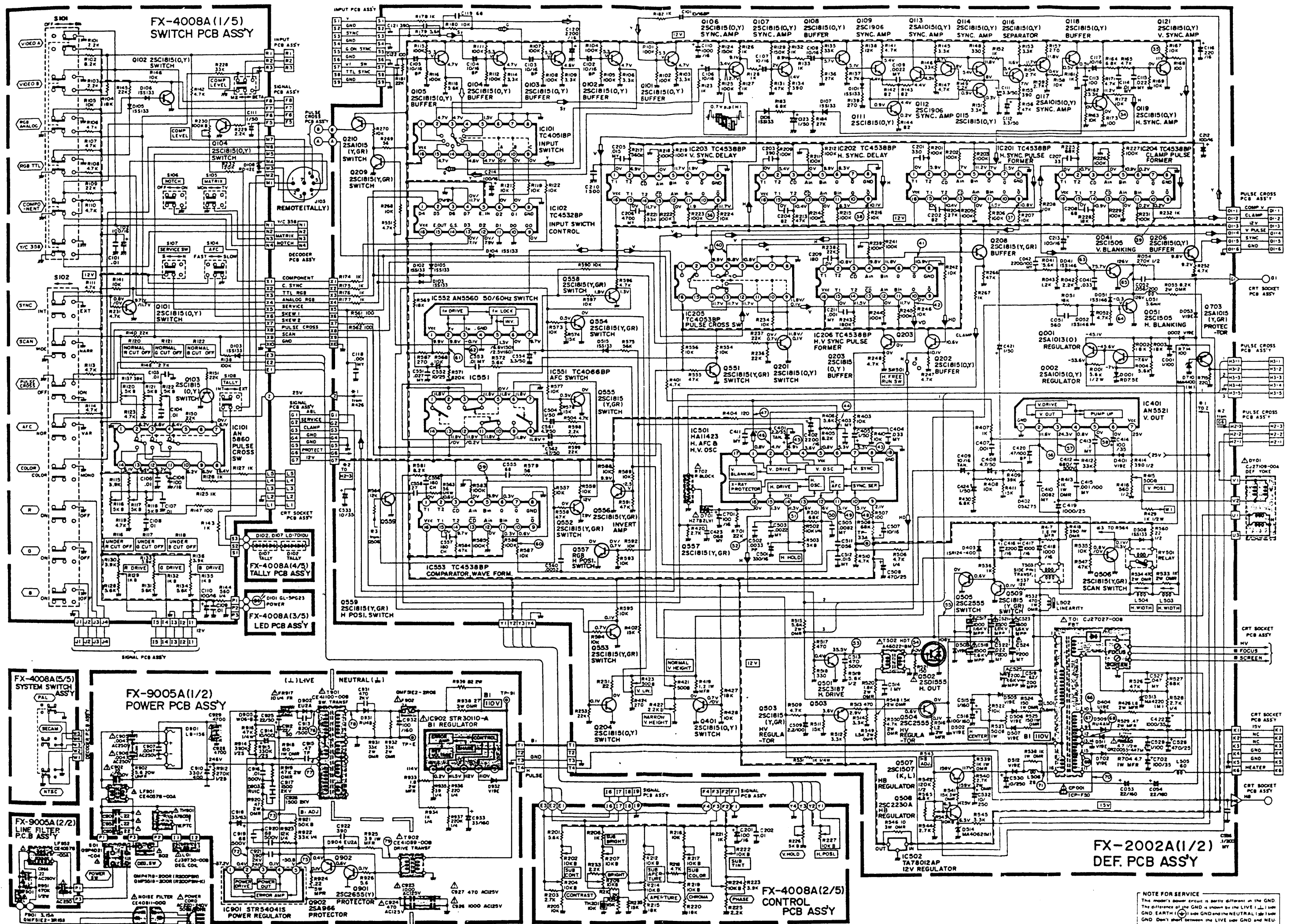


CK10641-001
CMK-81X

(7)

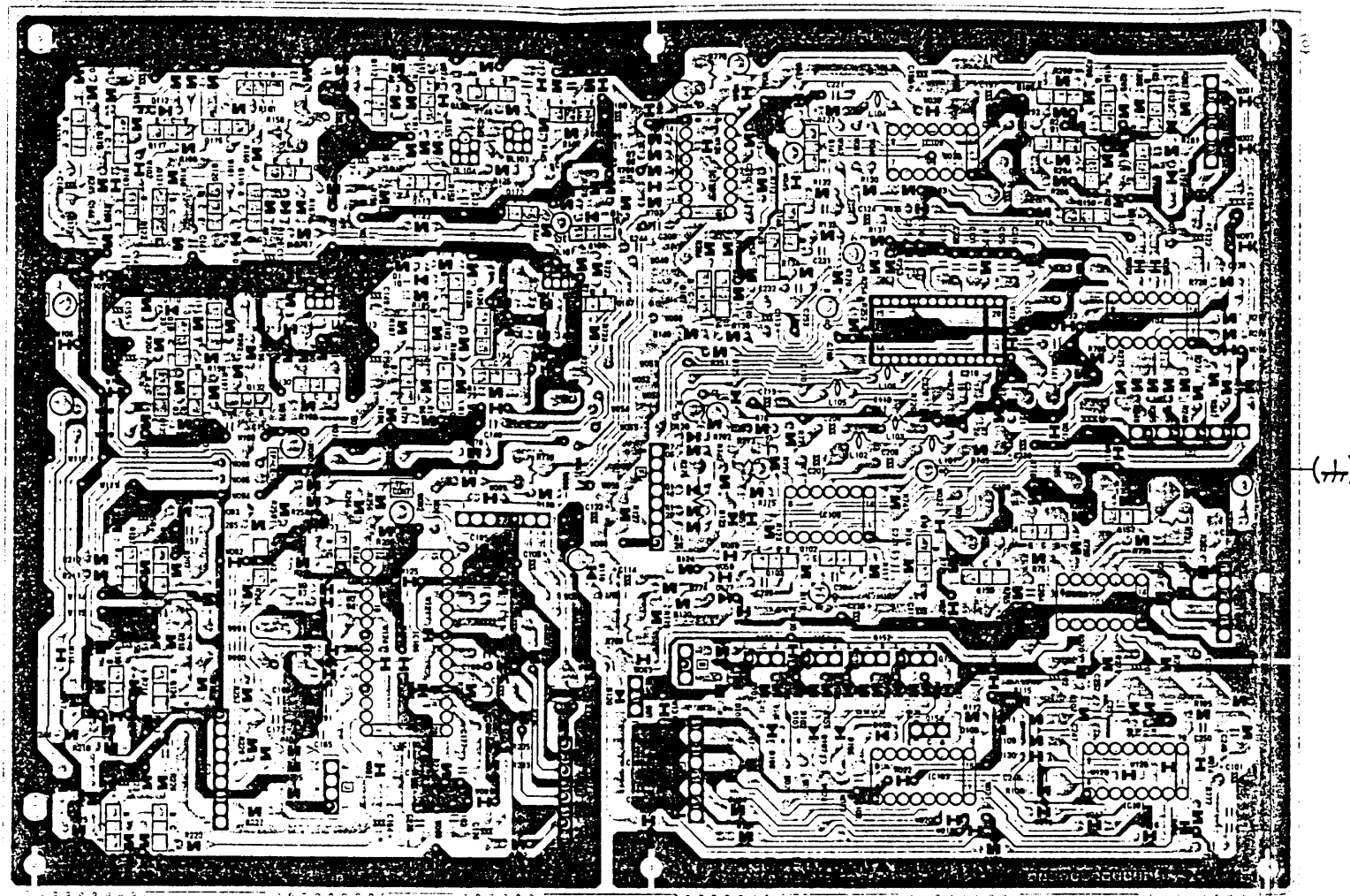


CK10601-F02 JVCD75V0



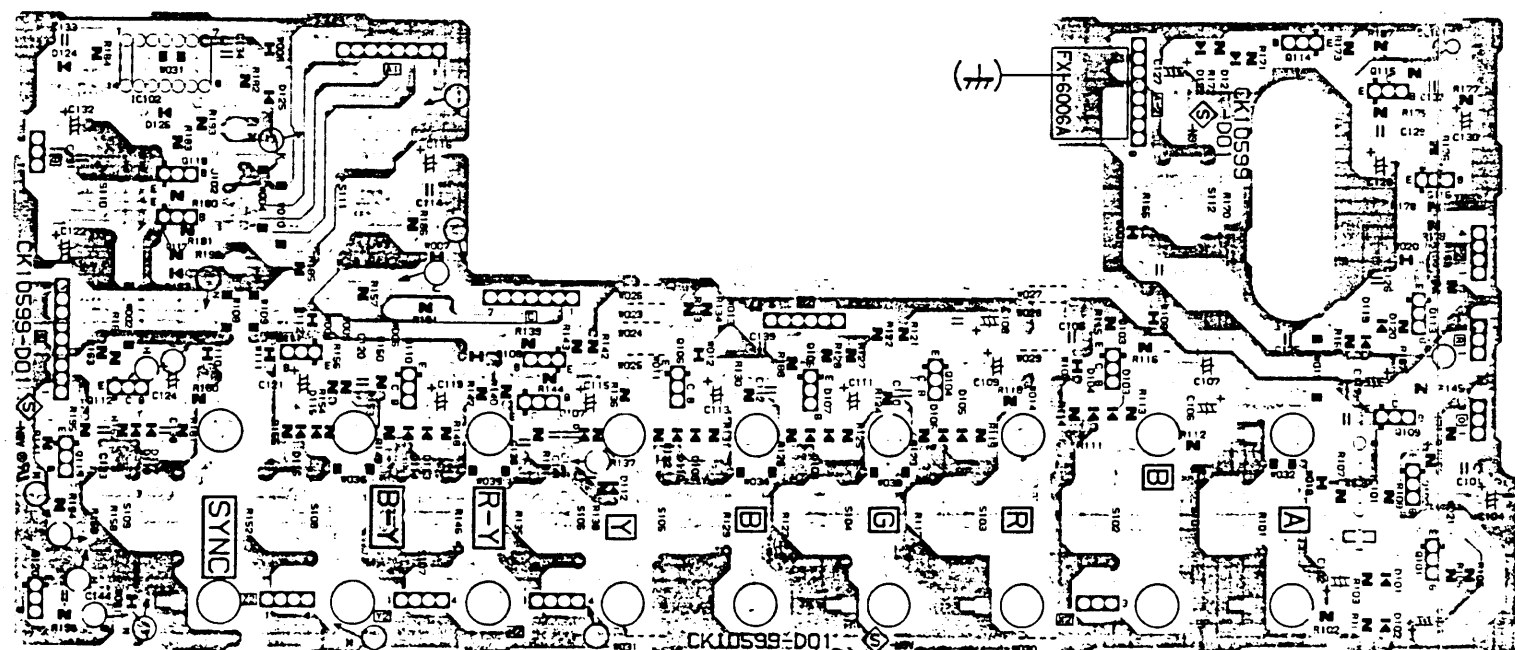
SIGNAL P.C. BOARD

FX-1009A (1/2)



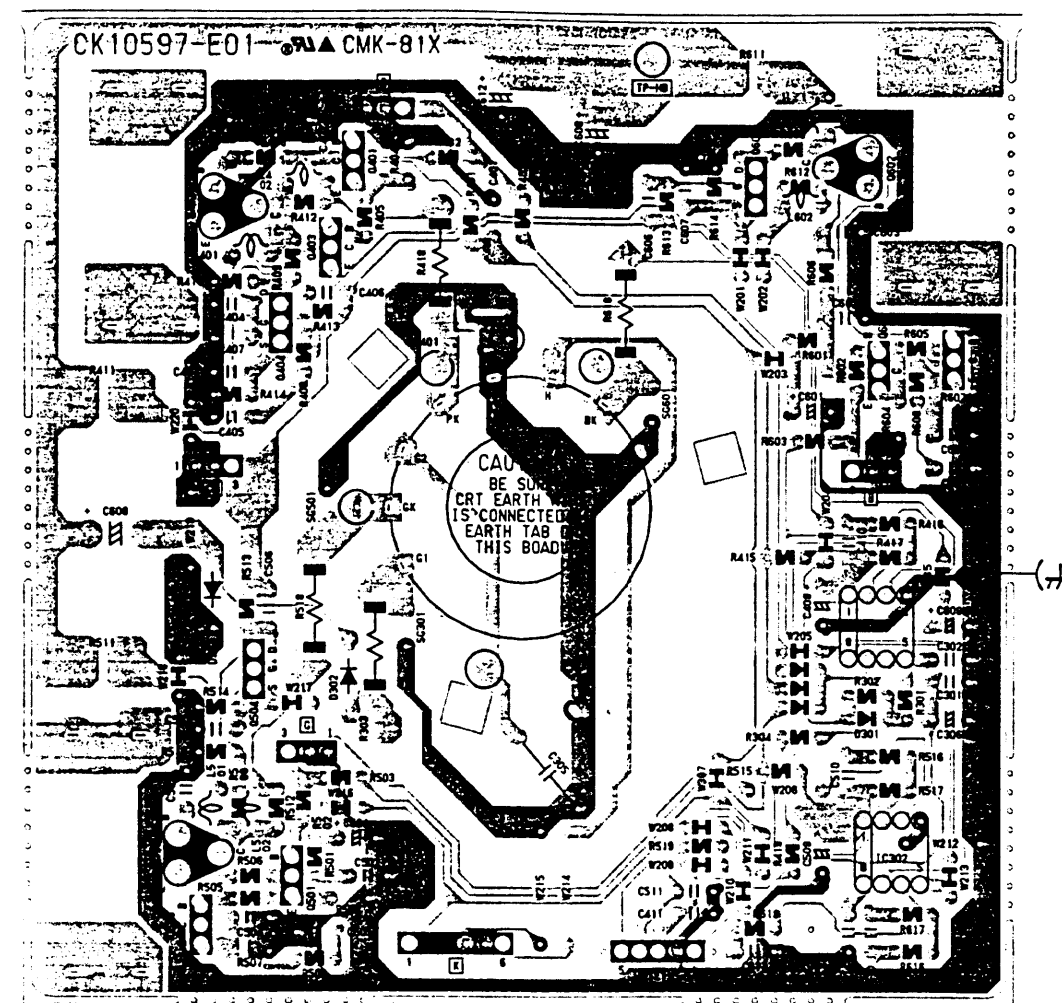
INPUT P.C. BOARD

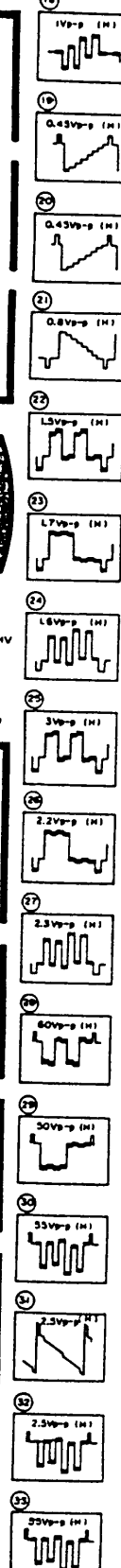
FX-6006A

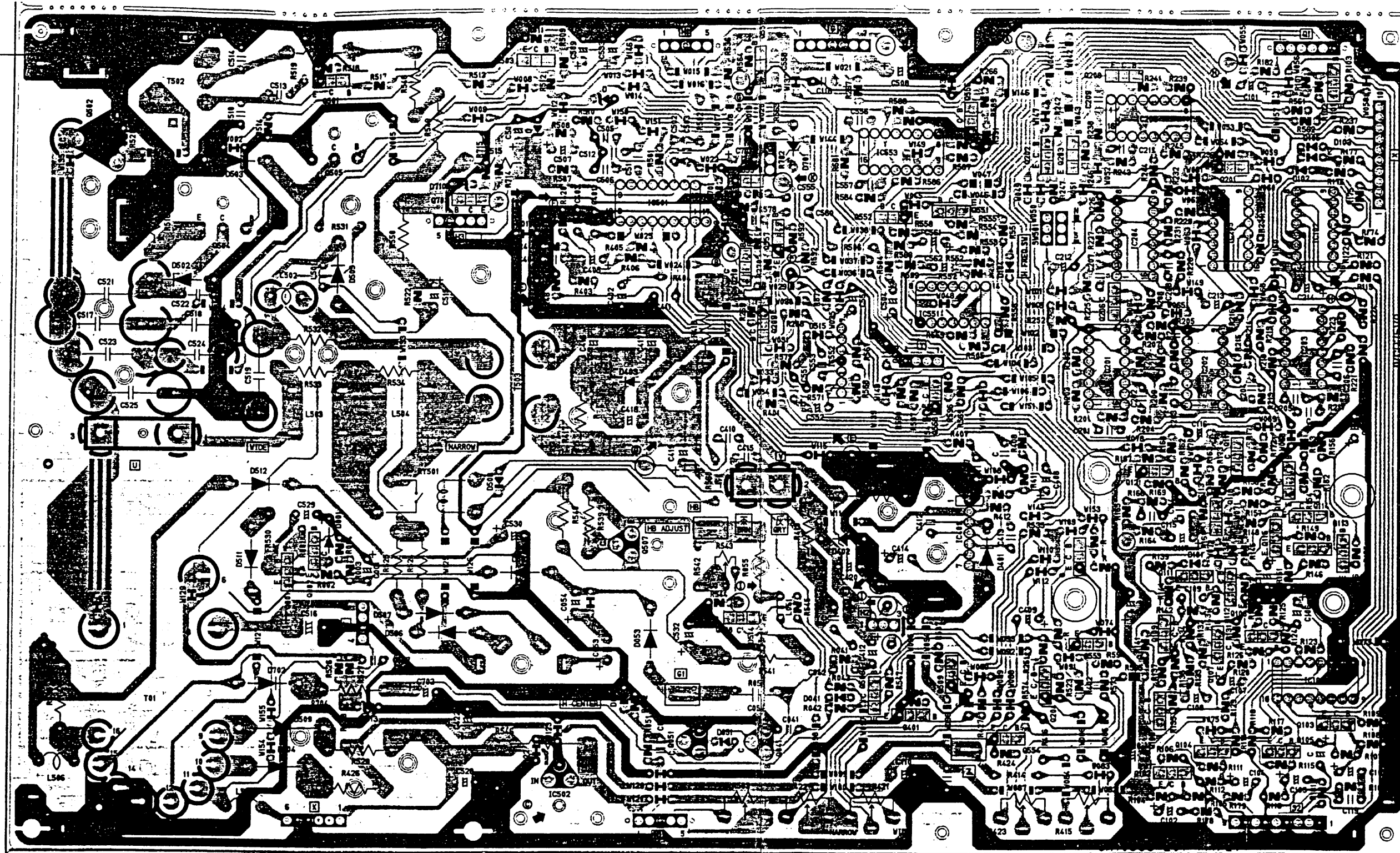


CRT SOCKET P.C. BOARD

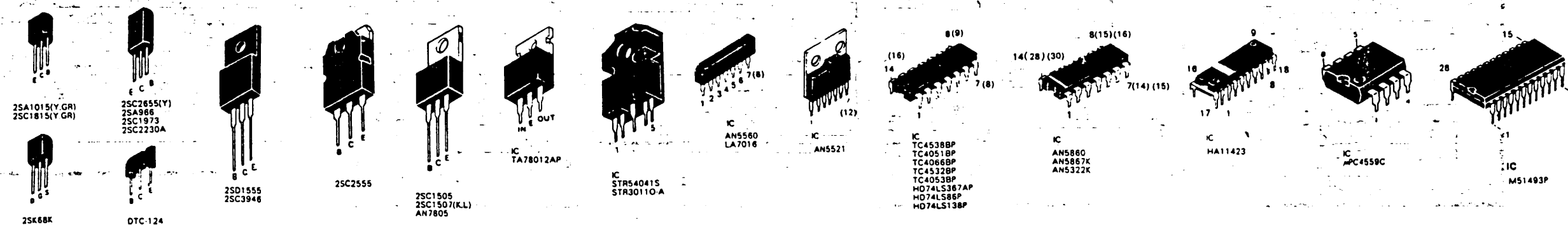
FX-1009A (2/2)







■ BASING OF TRANSISTOR AND IC



DECODER CIRCUIT

FX-8006A

PSN DECODER

