

SONY

KV-2022MR


MODEL




SERVICE MANUAL


WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS. THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

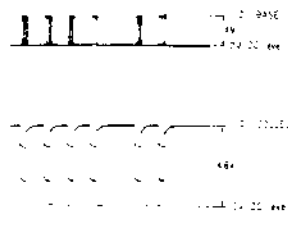
SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND  MARK ON THE SCHEMATIC DIAGRAMS ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THE PARTS LIST ON THIS BASIC SCHEMATIC DIAGRAM OR IN THE SERVICE MANUAL. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THE SERVICE MANUAL PUBLISHED BY SONY. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

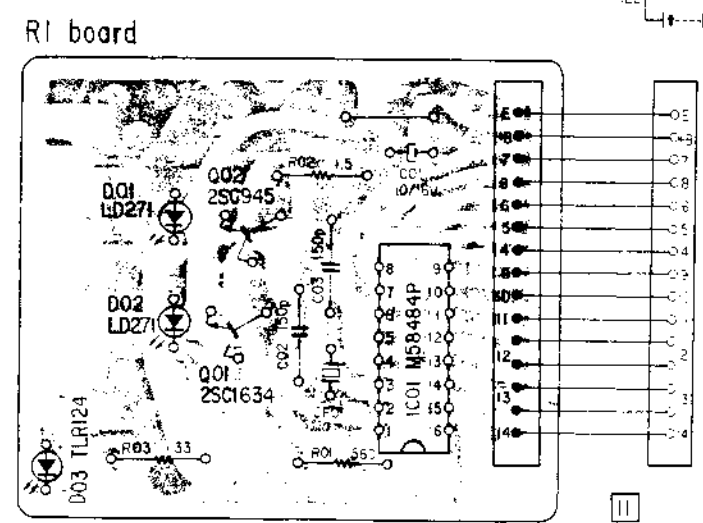
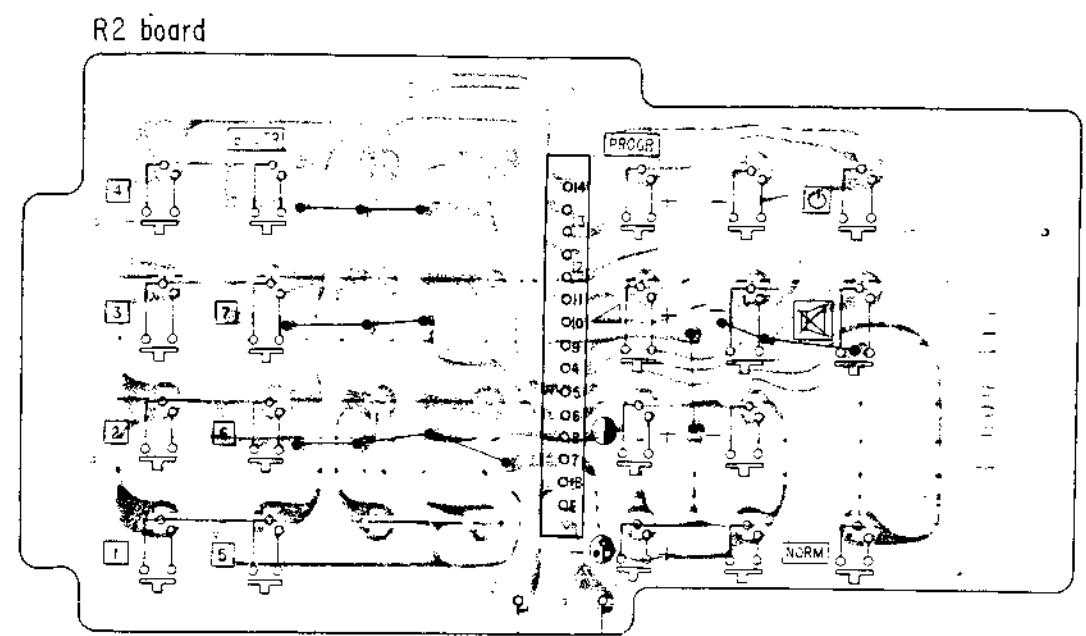
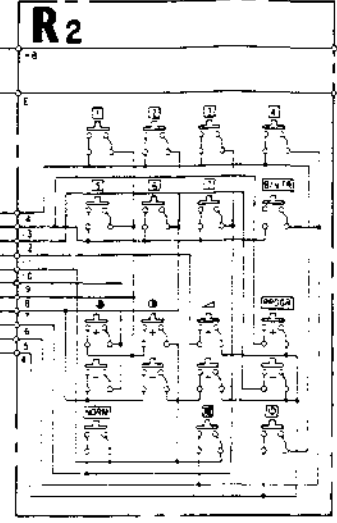
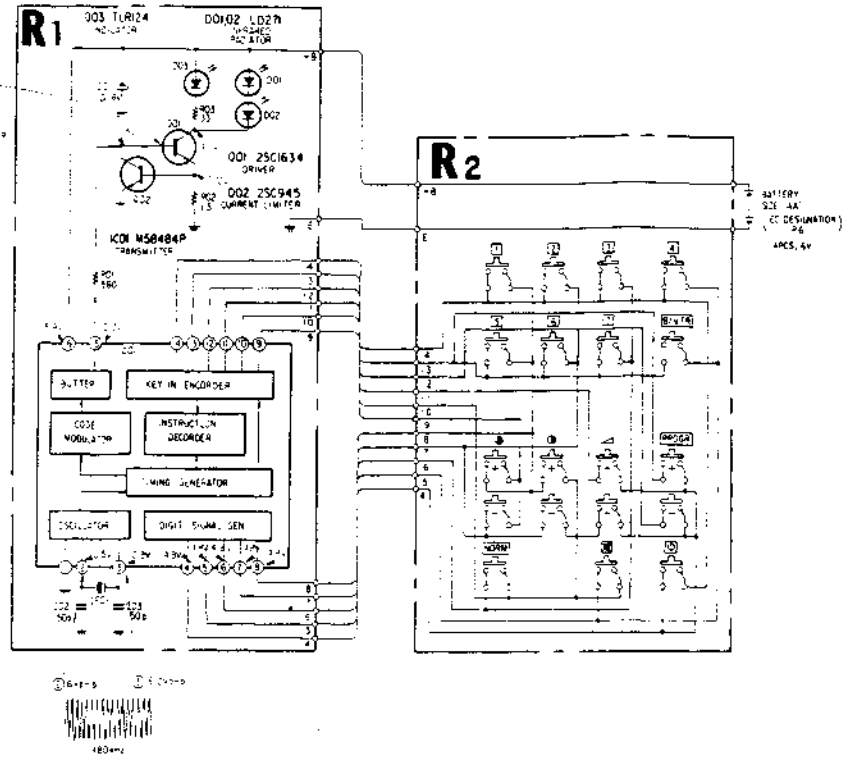
- All capacitors are in μF unless otherwise noted. pF : $\mu\mu\text{F}$. 50 WV or less are not indicated except for electrolytics.
- All resistors are in ohms, $\frac{1}{4}\text{W}$ unless otherwise noted. k: 1000 Ω , M: 1000 $\text{k}\Omega$.
-  : nonflammable resistor.
-  : internal component.
-  : panel designation.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken with a 20,000-ohm-per-volt VOM.
-  : adjustment for repair.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.

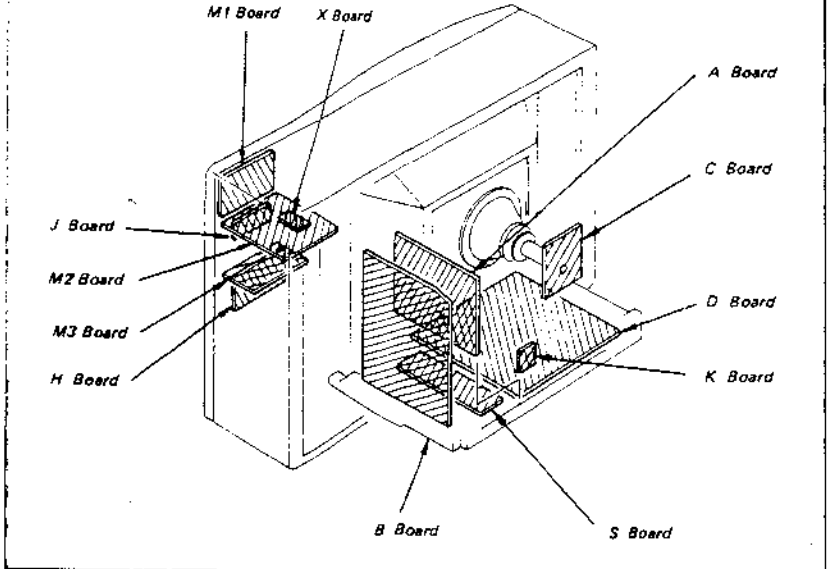
REMOTE COMMANDER RM-604



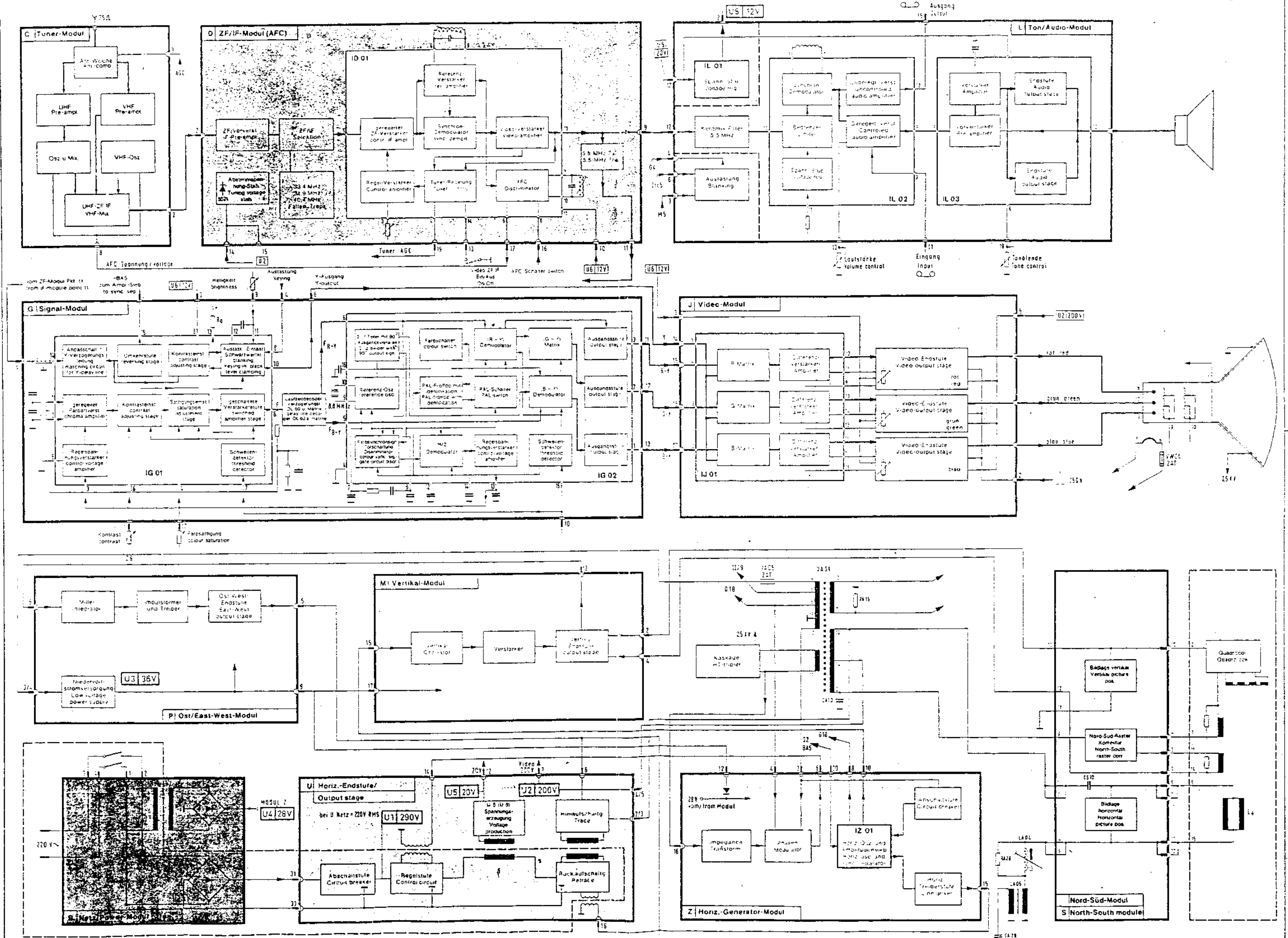
WAVE	1	2	3	4	5	6	7
CH-1	5.3	5.3	5.3	5.3	5.3	5.3	4.8
CH-2	5.3	5.3	5.3	5.3	5.3	5.3	4.8
CH-3	5.3	5.3	5.3	5.3	5.3	5.3	4.8
CH-4	5.3	5.3	5.3	5.3	5.3	5.3	4.8
CH-5	5.3	5.3	5.3	5.3	5.3	5.3	4.8
CH-6	5.3	5.3	5.3	5.3	5.3	5.3	4.8
CH-7	5.3	5.3	5.3	5.3	5.3	5.3	4.8
CH-8/9/10	5.3	5.3	5.3	5.3	5.3	5.3	4.8
PROG	5.3	5.3	5.3	5.3	5.3	5.3	4.8
NORM	5.3	5.3	5.3	5.3	5.3	5.3	4.8

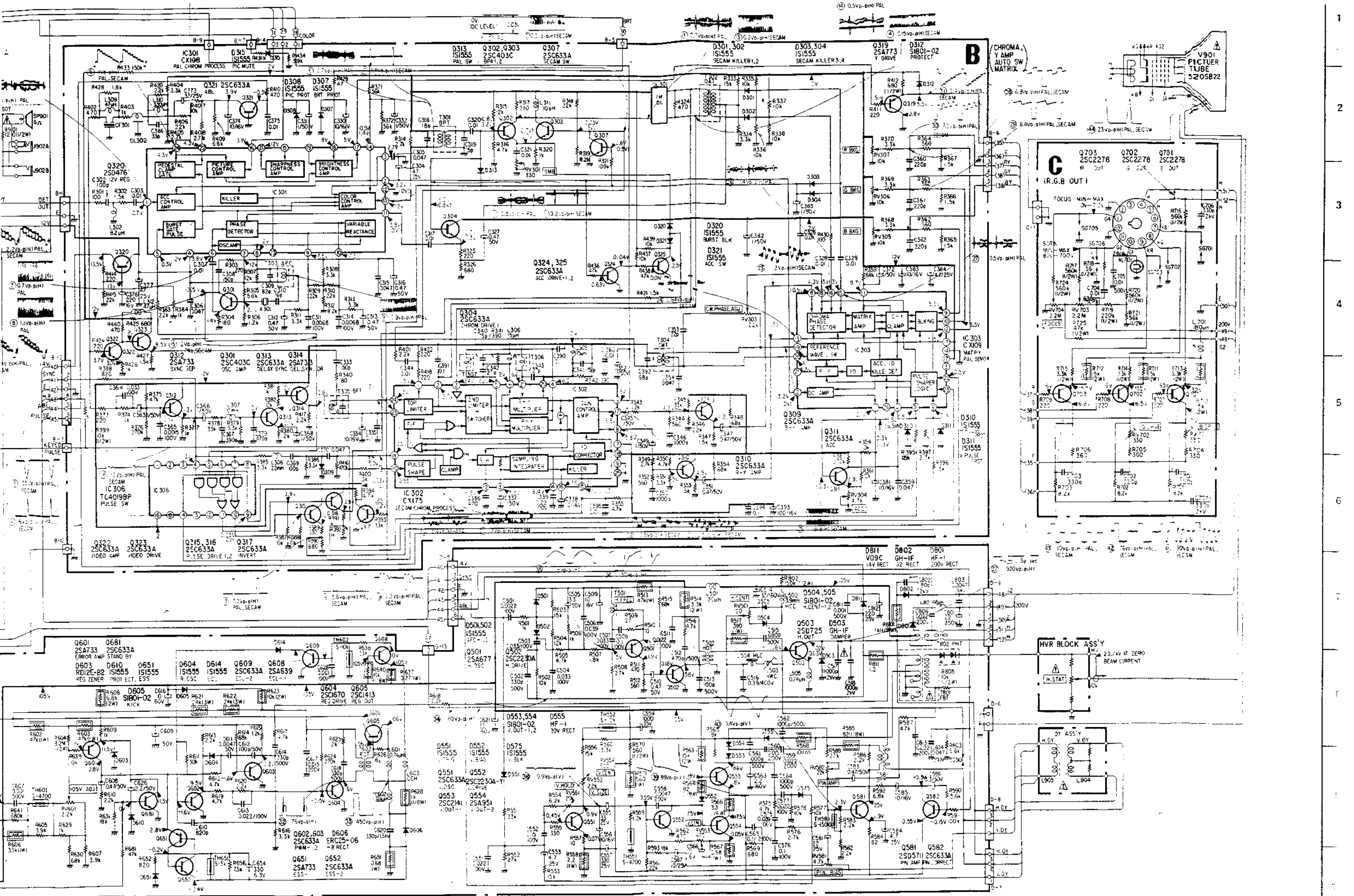


CIRCUIT BOARDS LOCATION



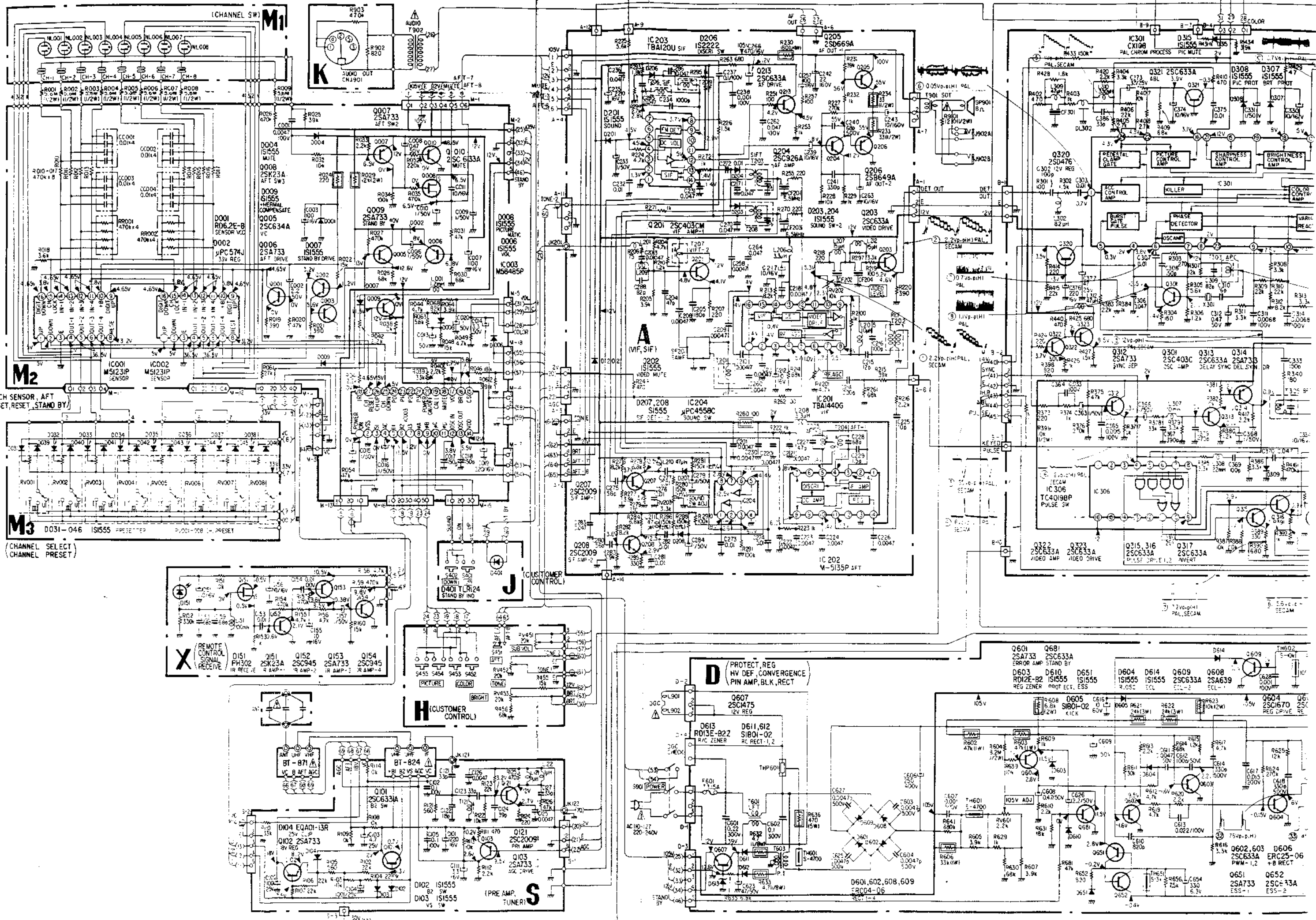
BATTERY SIDE "AA"
(ISO DESIGNATION)
96
SPCS 81

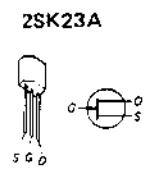
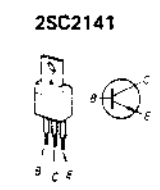
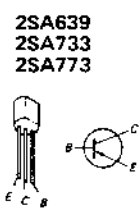
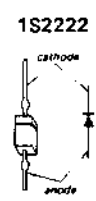
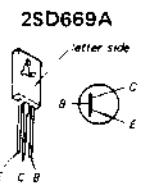
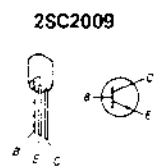
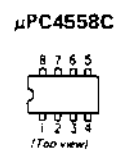
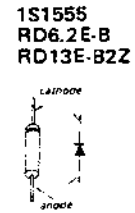
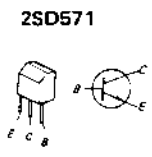
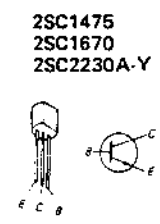
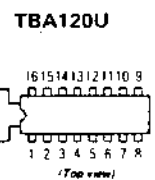
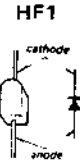
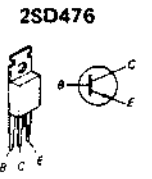
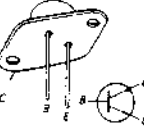
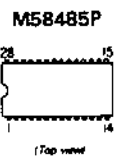
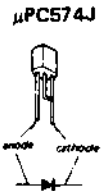
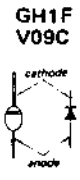
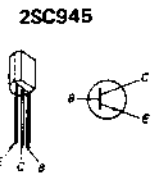
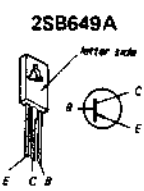
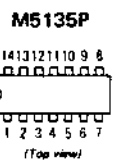
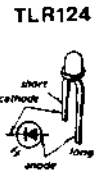
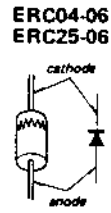
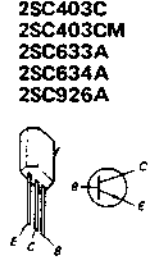
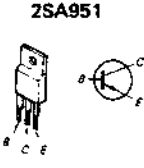
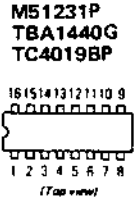
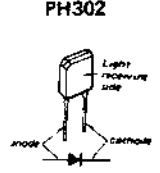
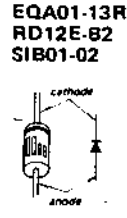
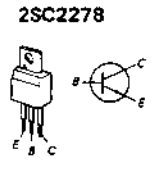
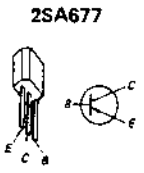
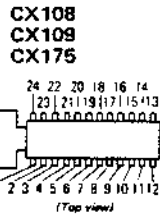




SCHEMATIC DIAGRAM

1
2
3
4
5
6
7
8
9
10



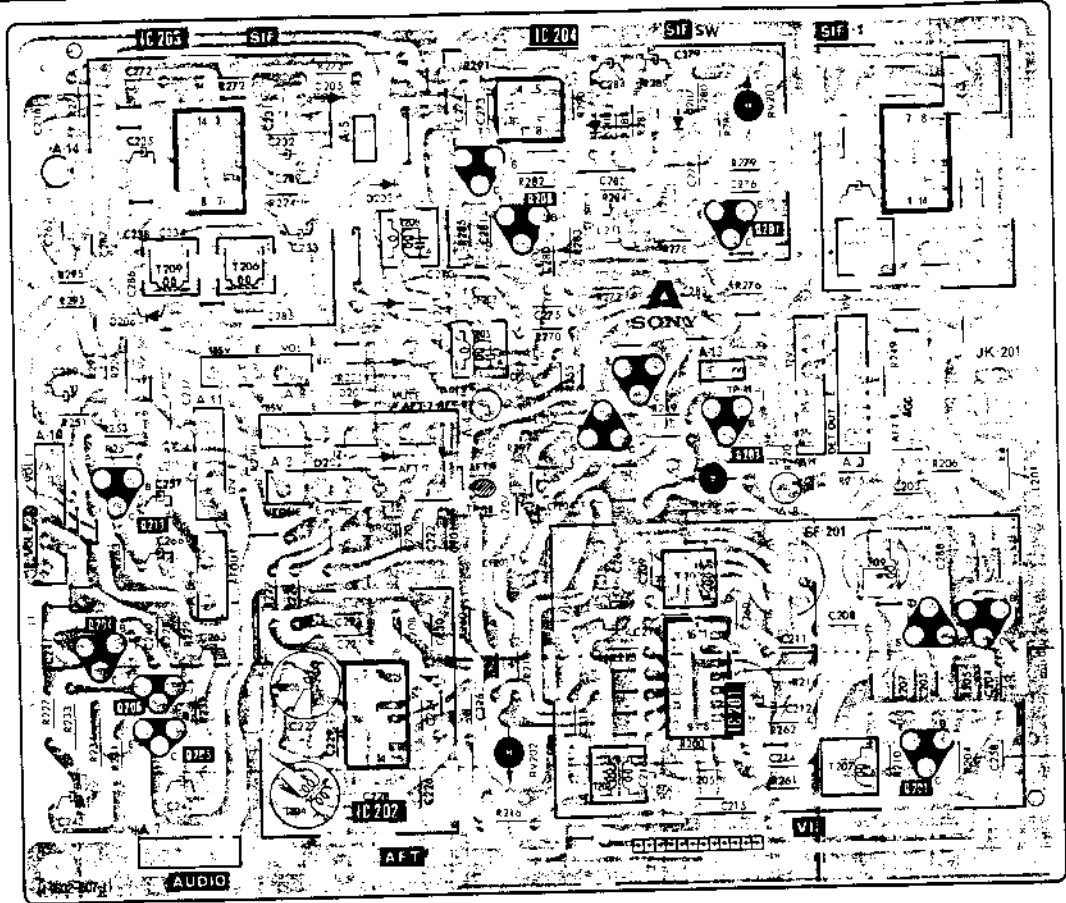


MOUNTING DIAGRAM

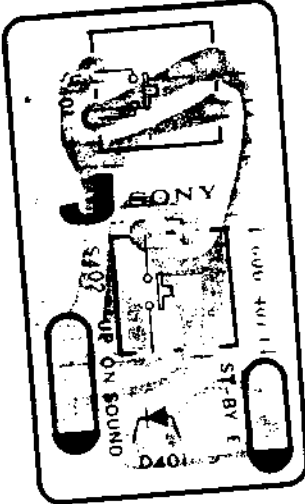
Note: All mounting diagrams are viewed from conductor side.

A
(VIF, SIF)

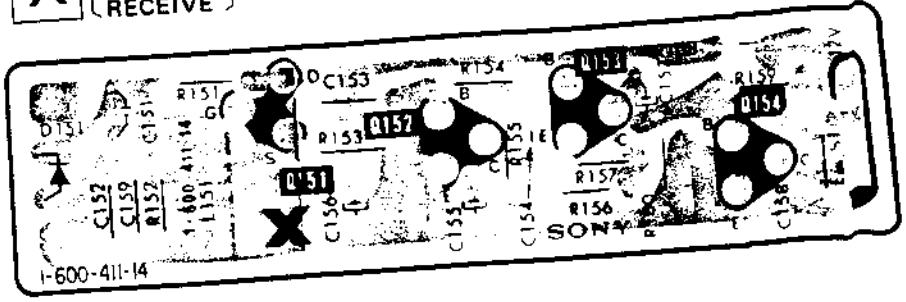
Q, IC	213 204 206, 205	IC203 203	IC202 201, 204, 202	IC204 208	207, 203 IC201 208 207	201	Q, IC
D	206						D
ADJ				RV202	RV201 RV203		ADJ



J CUSTOMER CONTROL

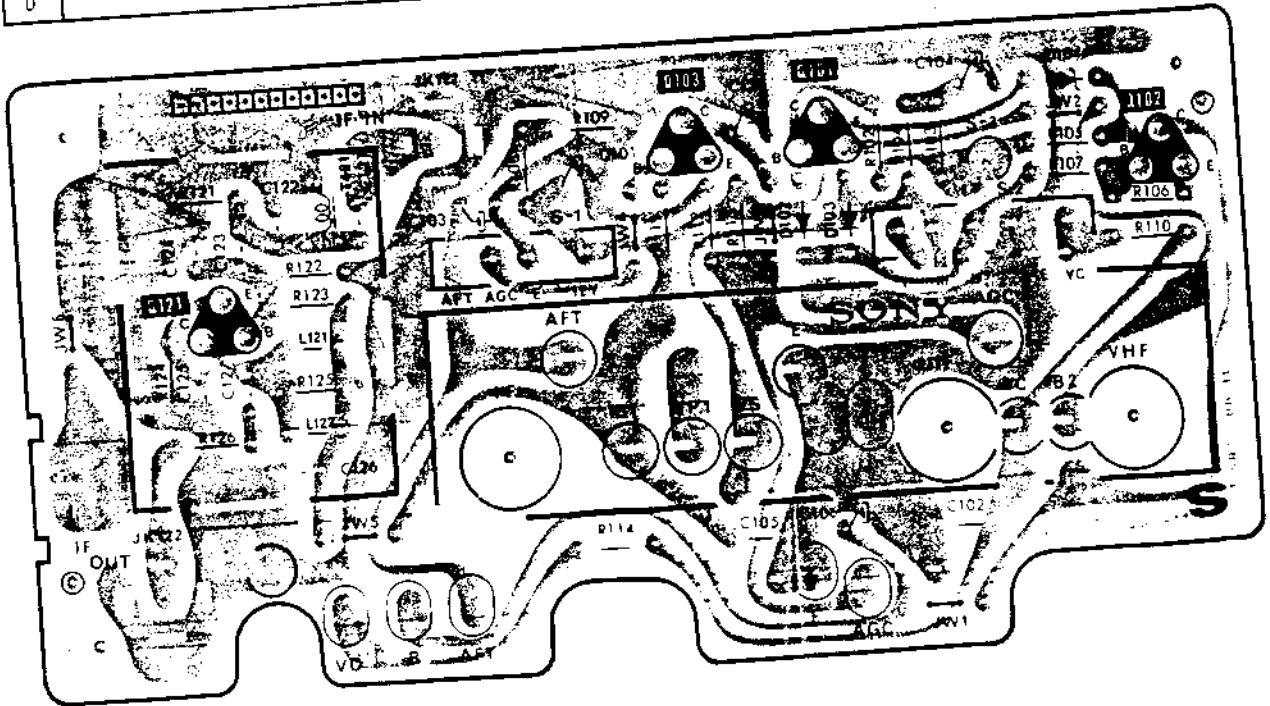


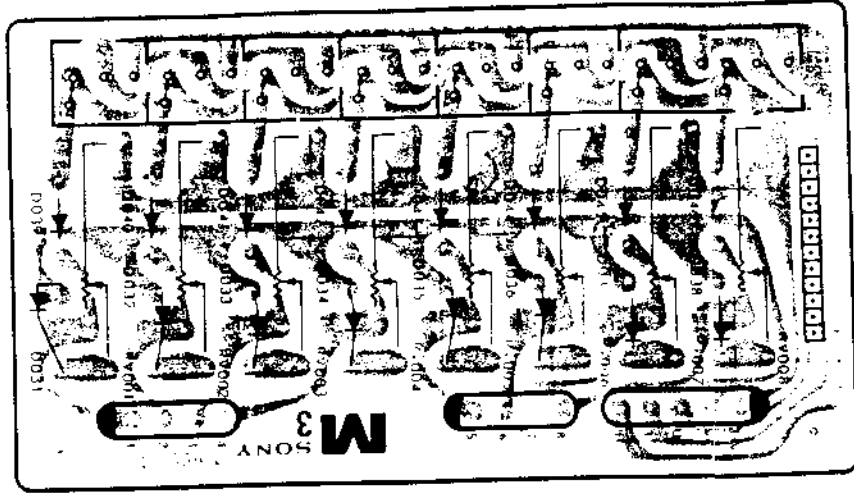
X REMOTE CONTROL SIGNAL RECEIVE



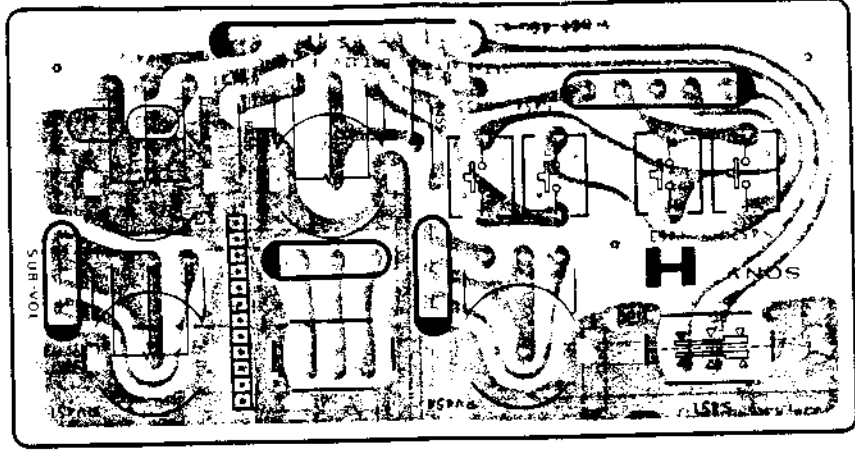
S PRE AMP, TUNER

		103	101	102	q
q	121		102 103	104	d
d					

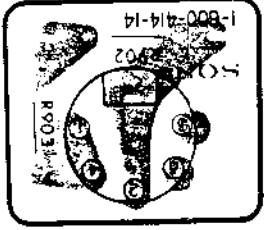




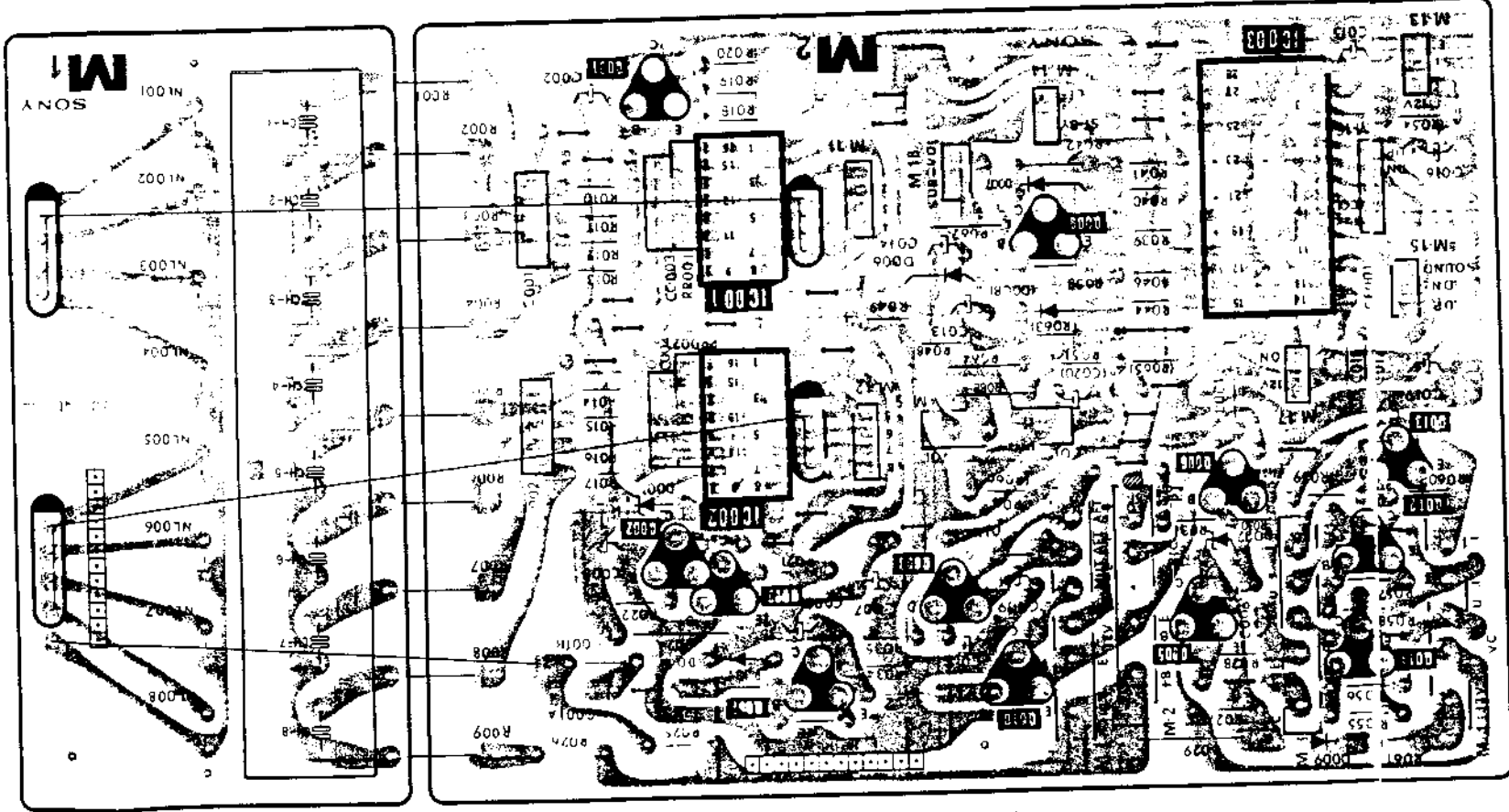
M3
CHANNEL SELECT



H
CUSTOMER CONTROL



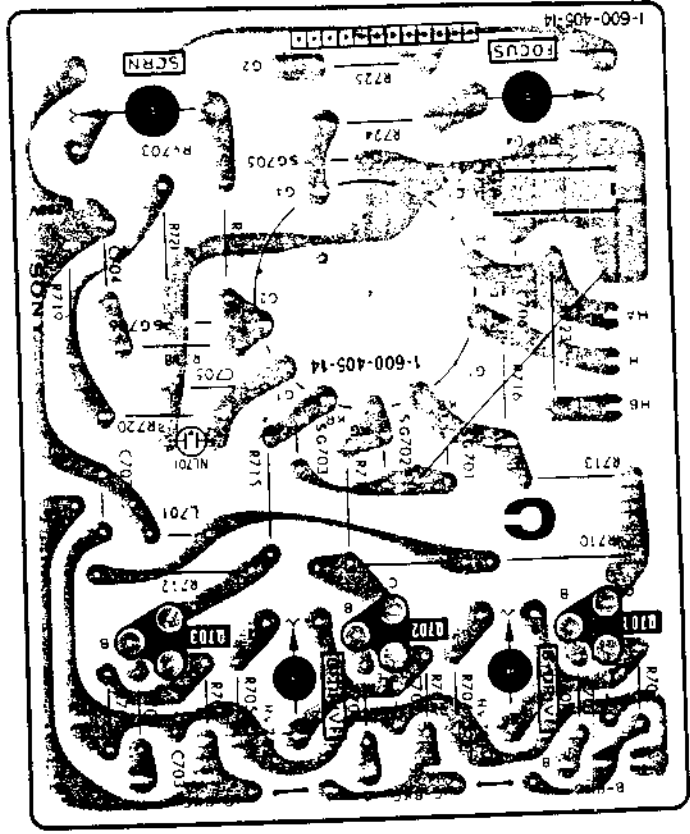
K
(AUDIO, OUT)



M1
(CHANNEL SW)

M2
TOUCH SENSOR, AFT ICH SET, RESET, STAND BY

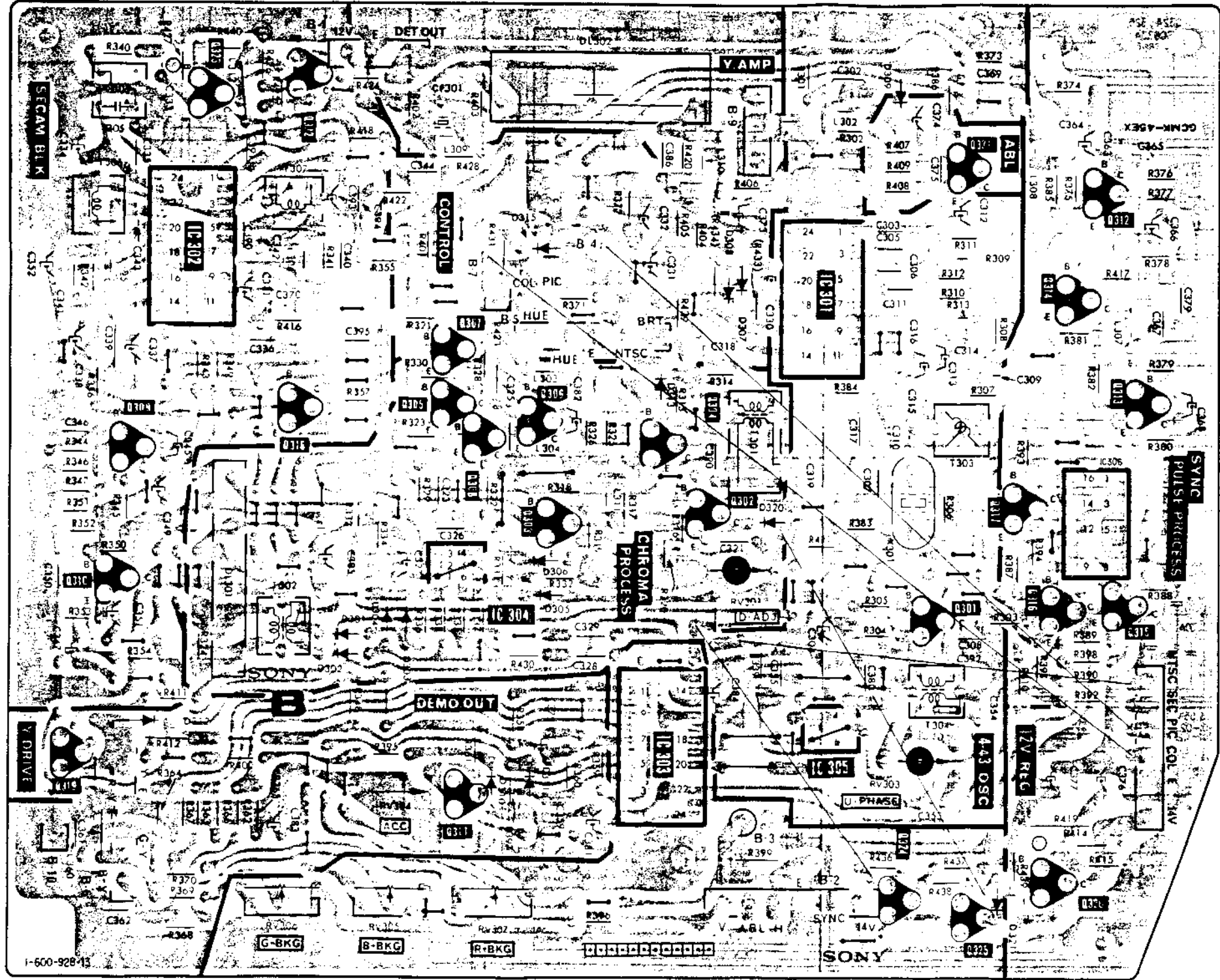
Q, IC	006, 005	010, 008	007	K002, 003, 002	001	009	10003	002	008 007 006	004	001	D
D												D



C
(R,G,B OUT)

B CHROMA,
Y AMP
AUTO SW
MATRIX

Q, IC	319	309 310	323 IC302	322 318	307	311	303	304, 302 IC303	IC301	321	317	314 316 315	312 313	Q, IC
D		312			301, 304, 303 302		315	315	308, 307 320	309	321	320 IC306		D
ADJ					RV306	RV304, RV305	RV307		RV321		RV303			ADJ



D PROTECT, REG
 HV DEF, CONVERGENCE
 PIN AMP, BLK, RECT

Q	D	ADJ
	603	RV601
608		
601		
607	612	
603	613	
611		
681		
609		
602	610	
604	604	
602	602	
651	608	
652	606	
65	65	
605	605	
582		
551		
576	RV581	
81	RV551	
502	RV554	
501		
581		
553		
551	RV501	
554	RV582	
552	RV553	
	RV552	
552		
505		
554		
555		
504		
50	802	
503	80	
502	502	
Q <th>D</th> <th>ADJ</th>	D	ADJ

