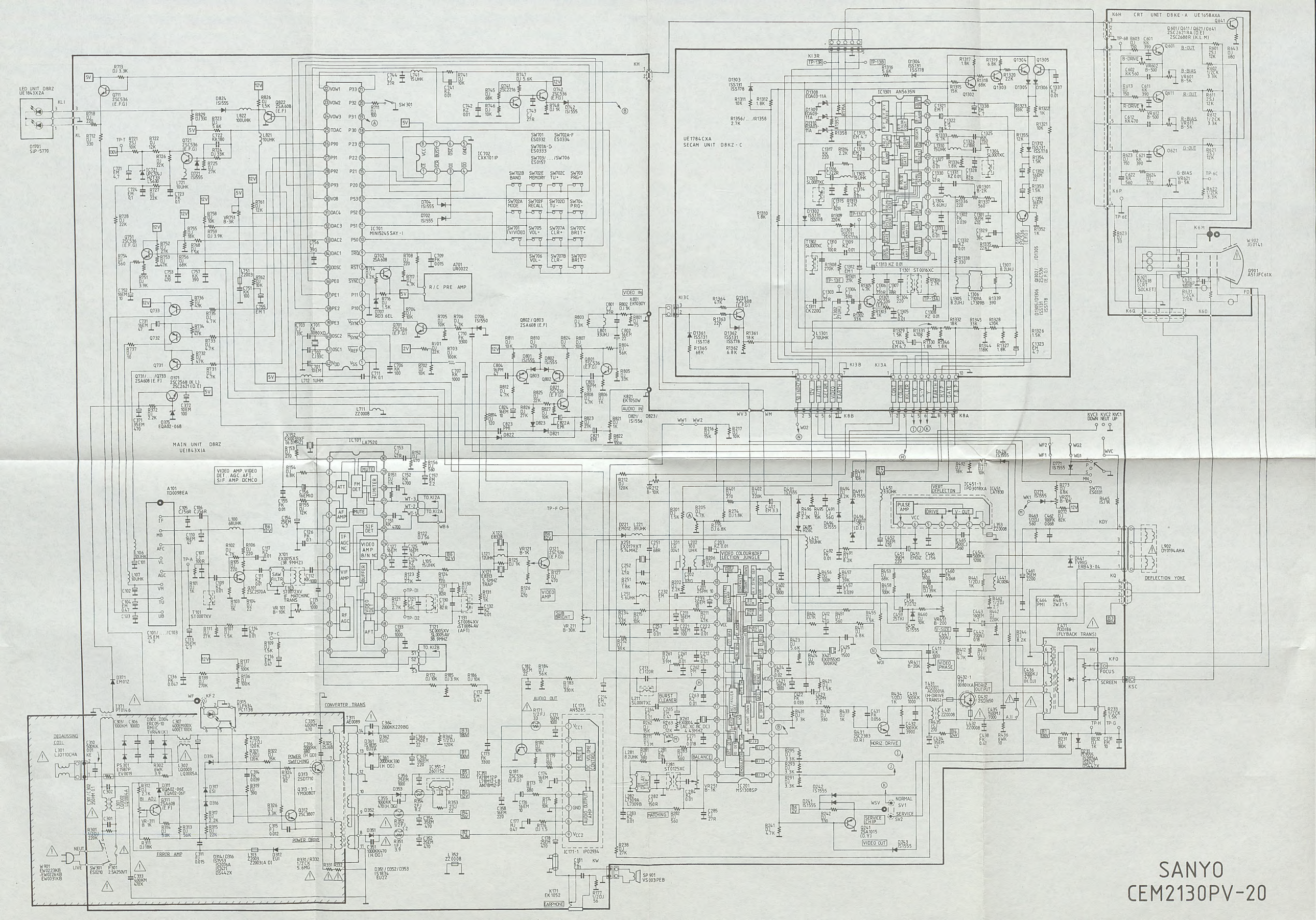
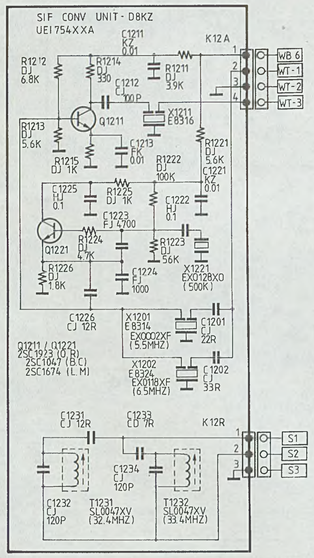
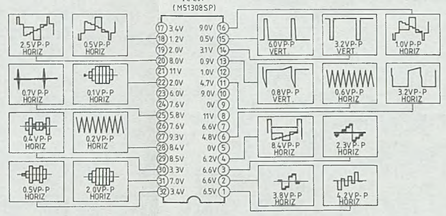
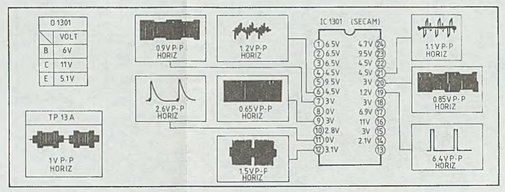

LED UNIT D8RZ
UE1843X2A
MAIN UNIT D8RZ
UE1843XIA
VIDEO AMP.VIDEO
DET.AGC.AFT
SIF AMP DCMCO
IC701
MINI5245SAY-1
IC702
CXK101IP
R/C PRE AMP
UE1784CXA
SECAM UNIT D8KZ-C
IC1301 AN5635N
K6H CRT UNIT D8KE-A UE1658AXA
DEFLECTION YOKE
SANYO
CEM2130PV-20

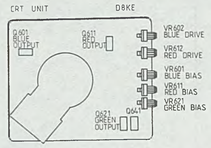
NOTES



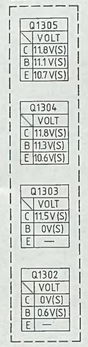




COMPONENT LOCATION



SECAM UNIT



PRODUCT SAFETY NOTICE

Product safety should be considered when a component replacement is made in any area of a receiver. Components indicated by a mark ⚠ in this circuit diagram show components whose value have special significance to product safety. It is particularly recommended that only parts specified on the parts list of service manual be used for components replacement pointed out by the mark.

NOTES:

1. RESISTORS INDICATED DJ ARE 1/4W UNLESS OTHERWISE NOTED.
   RESISTORS INDICATED ONLY ITS VALUE ARE 1/6W.
2. ALL CAPACITORS ARE 50WV RATING UNLESS OTHERWISE NOTED.
3. DIODE IS1555 MAY BE REPLACED WITH
   DS442, IS2473 OR IS2076
   UNLESS OTHERWISE NOTED.
4. TRANSISTOR 2SC536 MAY BE REPLACED WITH 2SC536 (E,F,G), 2SC945A (P,Q,R), 2SC1815 (O,Y,G), 2SC1740 (Q,R,S) OR 2SC1740S (Q,R,S)
5. TRANSISTOR 2SA608 MAY BE REPLACED WITH 2SA608 (E,F), 2SA564A (P,Q,R), 2SA933 (Q,R), 2SA933S (Q,R) OR 2SA1015 (O,Y,G)

SERVICE PRECAUTION

THE AREA ENCLOSED BY THIS LINE (▬▬) IS DIRECTLY CONNECTED WITH AC MAINS VOLTAGE, WHEN SERVICING THE AREA, CONNECT AN ISOLATING TRANSFORMER BETWEEN TV RECEIVER AND AC LINE TO ELIMINATE HAZARD OF ELECTRIC SHOCK.

CIRCUIT DIAGRAM NOTES

1. All resistance values in ohms K=1.000 M=1.000.000
2. Excepting electrolytic capacitor, all capacitance values less than 1 are expressed in μF, and the values more than 1 are in pF. Electrolytic capacitance values in μF.
3. All inductance values in μH.
4. Voltage reading taken with "TESTER" from point indicated to chassis ground.
   Voltage reading taken using colour bar signal, all controls at normal, AFT switch in "OFF" position. Some voltage may vary with signal strength.
5. Waveforms were taken with colour bar signal and controls adjusted for normal picture. Waveforms were taken using a wide band oscilloscope and low capacity probe.
6. This circuit diagram covers basic or representative chassis only. There may be some component or partial circuit difference between actual chassis and circuit diagram.

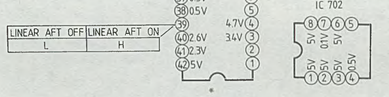
LIST OF TRANSISTORS AND DIODES

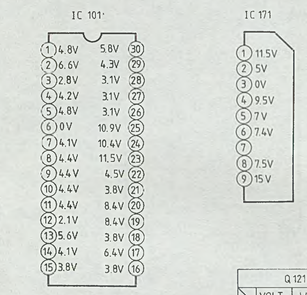
TYPE	SHORT DESCRIPTION ; DATA	EQUIVALENTS
2SA608	PNP-Si ; Uni ; 30 V ; 0,1A ; f_T=180 MHz	BC178 ; BC205 BC213 ; BC252 BC308 ; BC513 BC558
2SA1015	PNP-Si ; Uni ; 50V ; 0,15A ; 0,4 W	BC177 ; BC204 BC213 ; BC251 BC307 ; BC512 BC557 ;
2SC536	NPN-Si ; Uni ; 40V ; 0,1A ; 180 MHz	BC107 ; BC171 BC183 ; BC237 BC382 ; BC547
2SC2216	NPN-Si ; TV-ZF ; 50V ; 0,05A ; 0,3A	BF199 ; BF523 BF959
2SC2383	NPN-Si ; S ; Vid ; 160 V ; 1A ; 0,9 W	BF391 ; MPS-U10
2SC2568	NPN-Si ; Vid ; 300 V ; 0,2A ; 10 W	BF459 ; BF417 BF471
2SC2570A	NPN-Si ; UHF ; 25V ; 0,07A ; 5 GHz ; 0 6W	
2SC1923	NPN-Si ; 25 V ; 0,07A ; 5 GHz ; 0,6 W	BF241 ; BF255 BF455 ; BF495 BF695
2SC2621RA	NPN-Si ; Vid ; 300 V ; 0,2A ; 10 W	BF457 ; BF417 BF471
2SC3807		
2SC608	NPN-Si ; Uni-L ; 75 V ; 1,5A ; 10 W	BD139 ; BD169 BD179 BD237
2SD1650	NPN-Si ; +Di ; TV-HA ; 1500 V/800 V ; 3,5 A ; 50 W	S2055AF ; BU508D (PHILPS)
2SD171	NPN-Si ; TV-HA ; 1500/800V ; 5A ; 100 W	BU508A (PHILPS)

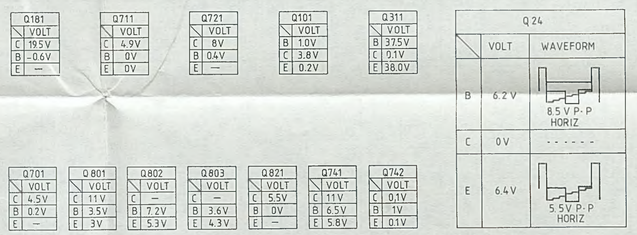
DIODES

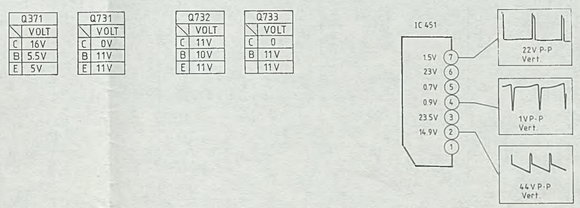
		EQUIV.
1S1553	FAST Sw ; DET ; Si ; U_{RV} = 200 V ; I_o = 160 mA ; t_{rr} = 50 ns	
1S1834	GEN. PURP RECT ; FAST RECOVERY ; Si ; 600 V ; 1 A ; 200 ns	
1S1835	GEN PURP RECT ; FAST REC. Si ; 600 V ; 1 A ; 200 ns	
1SS131	FAST Sw DIODE ; Si ; 100 V ; 0,2 A ; 4 ns	
1S1555	FAST Sw ; DET ; Si ; 200 V ; I_o 016A ; 50 ns	
EU1	GEN. PURP. RECT ; FAST RECOVERY ; Si ; 600 V ; 1 A ; 200 ns	
EU2 FU2Z	GEN. PURP. REST ; FAST REC. Si ; 600 V ; 1 A ; 200 ns	
EM01Z	GEN. PURP. RECT ; Si ; 600V ; 1 A	
EQA02-05	ZENER DIODE ; 5V1 ; 0,5 W	
EQA02-06	ZENER DIODE ; 6 V ; 0,5 W	
EQA03-114	ZENER DIODE 11 V	
ERC05-10	GEN PURP RECT ; Si ; 1000 V ; 2,5 A (25°C LEAD TEMP.)	
HZ6C	ZENER DIODE 6V ; 0,5 W	
TUR16	GEN PURP RECT ; FAST RECOVERY ; Si ; 600 V ; 1 A ; 200 ns	

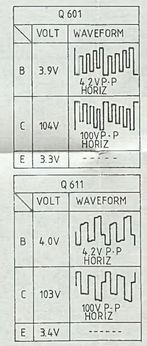
ABBREVIATION : Si - silicon ; Sw - switch ; Uni - general purpose
Di - integrate damper diode ; TV-ZF - intermediate frequency (IF) ; TV - HA - TV horizontal deflection
Vid - video output stage

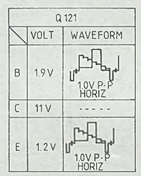


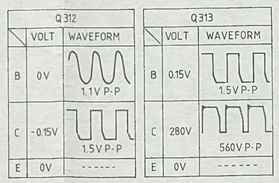


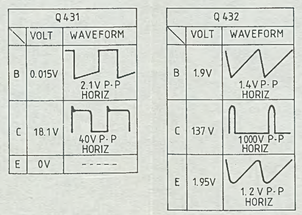




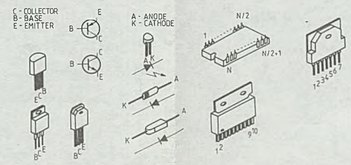




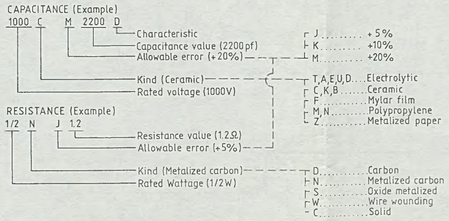
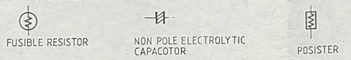




TRANSISTOR, DIODE & INTEGRATED CIRCUIT TERMINAL GUIDE



Expression of capacitance and resistance in circuit diagram



PARTICULAR PARTS SYMBOL