



## OBSERVATION OF VOLTAGES AND WAVEFORMS

1. Voltages read with "VTVM" from point shown to chassis ground. line voltage 220volts color bar signal.
2. Voltage reading may vary  $\pm 2\%$ .
3. The schematic shown is representative only.
4. All waveforms are taken using a wide band oscilloscope and a low capacity probe.
5. Check FINE TUNING, AGC, BRIGHTNESS, CONTRAST, and COLOR controls for best picture.
6. Waveforms are taken using a standard color bar signal.

## EXPRESSION

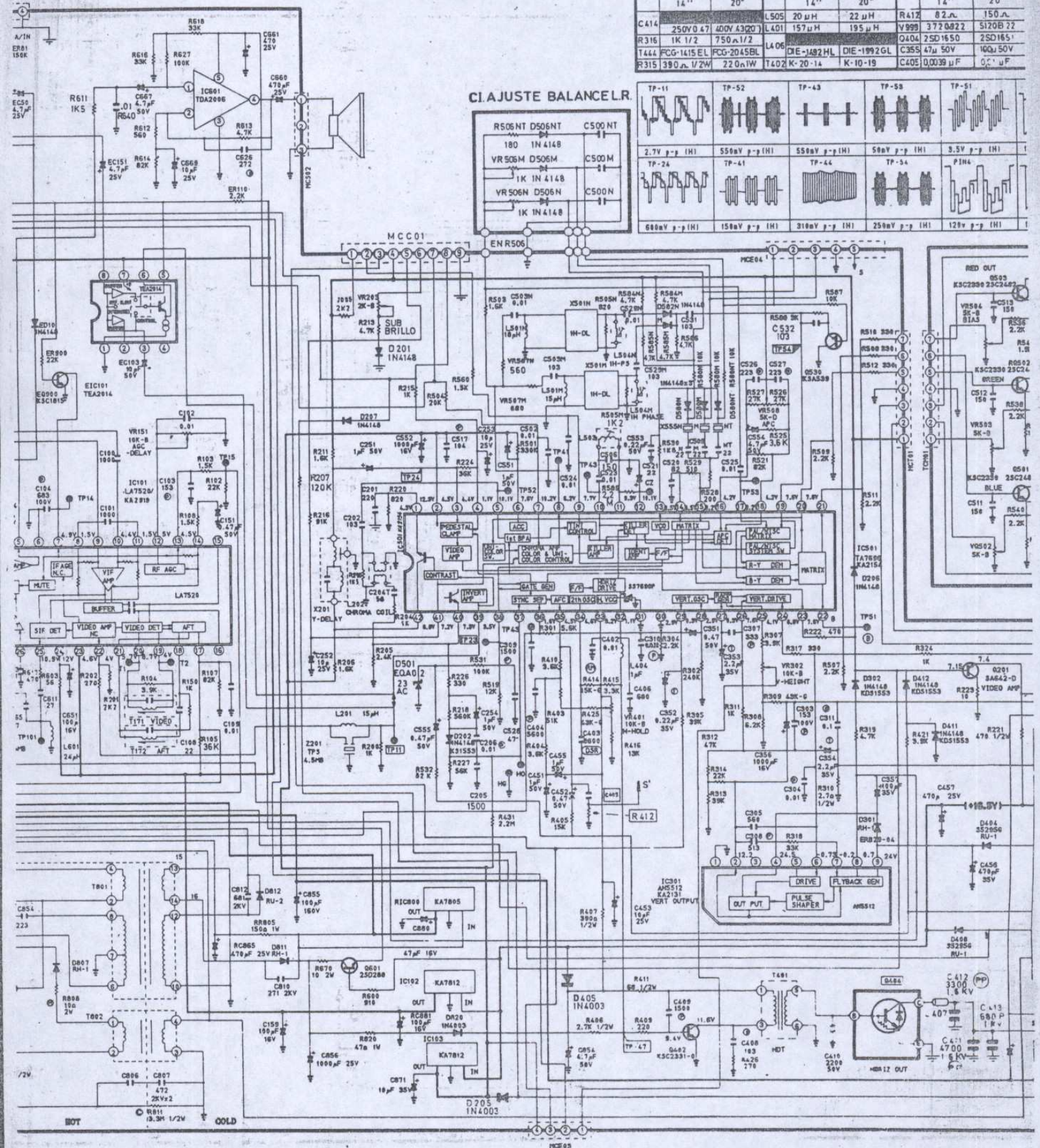
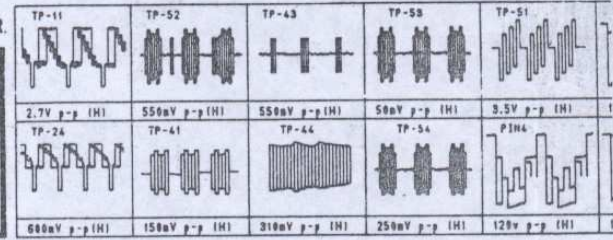
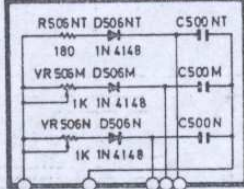
1. Resistance is shown in ohm.  $K = 1,000$   $M = 1,000,000$
2. Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in pF, the value more than 1 in  $\mu F$ .
3. Unless otherwise noted in schematic, all inductor values are expressed in  $\mu H$  and the value less than 1 in mH.

## NOTE

The circuits subject to change without notice to improve the picture quality.

14"	20"	14"	20"	14"	20"
C414 250V0.47	400V 0.320	L505 20 $\mu H$	22 $\mu H$	R412 82 $\Omega$	150 $\Omega$
R316 1K 1/2	750 $\Omega$ 1/2	L401 157 $\mu H$	195 $\mu H$	V999 3770822	51208 72
L444 FCG-1415 EL	FCG-2045 BL	L406 DIE-1482 HL	DIE-1992 GL	Q404 2SD1650	2SD1651
R315 390 $\Omega$ 1/2W	220 $\Omega$ 1W	T402 K-20-14	K-10-19	C355 47 $\mu F$ 50V	100 $\mu F$ 50V
				C405 0.0039 $\mu F$	0.01 $\mu F$

## CIAJUSTE BALANCE L.R.





# N OF VOLTAGES AND WAVEFORMS

red with "VTVM" from point shown to chassis ground.  
 a 220volt color bar signal.  
 reading may vary ±20%.

its shown is representative only.  
 are taken using a wide band oscilloscope and a low capacity probe.

TUNING, AGC, BRIGHTNESS, CONTRAST, and  
 are taken using a standard color bar signal.

## EXPRESSION

1. Resistance is shown in ohm, K = 1,000 Ω = 1,000,000
2. Unless otherwise noted in schematic, capacitor values less than 1 are expressed in pF, the values above 1 are in μF.
3. Unless otherwise noted in schematic, all inductor values are expressed in μH, and the values less than 1 in mH.

## NOTE

The circuits subject to change without notice to improve the picture quality.

## RESISTOR

TYPE	MARK
Carbon Composition	C
Oxide Metal Film	M
Metal Film	RM
Cement	R-C
Variable Resistor	
Positive Resistor	

## CAPACITOR

TYPE	MARK
Ceramic	No Mark
Polyester	P
Tantalum	T
Metal Polyester	MP
Polypropylene	P.P
Polyester Polypropylene	DSR
Chemical Electrolytic	
Chemical Non-Polar	

14"	20"	14"	20"	14"	20"
C414	250V0.47	L505	20μH	R412	82Ω
	400V430C	L401	157μH	V999	3720822
R316	1K 1/2	L406	195μH	D404	5120B 1/2
T444	FCG-1415EL		DIE-1492HL	C355	2SC1650
	FCG-2045BL		DIE-1992GL	C355	47μ 50V
R315	390Ω 1/2W	T402	K-20-1	C405	100μ 50V
	220Ω 1W		K-10-19		0.01μF

## CI AJUSTE BALANCELR

