

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

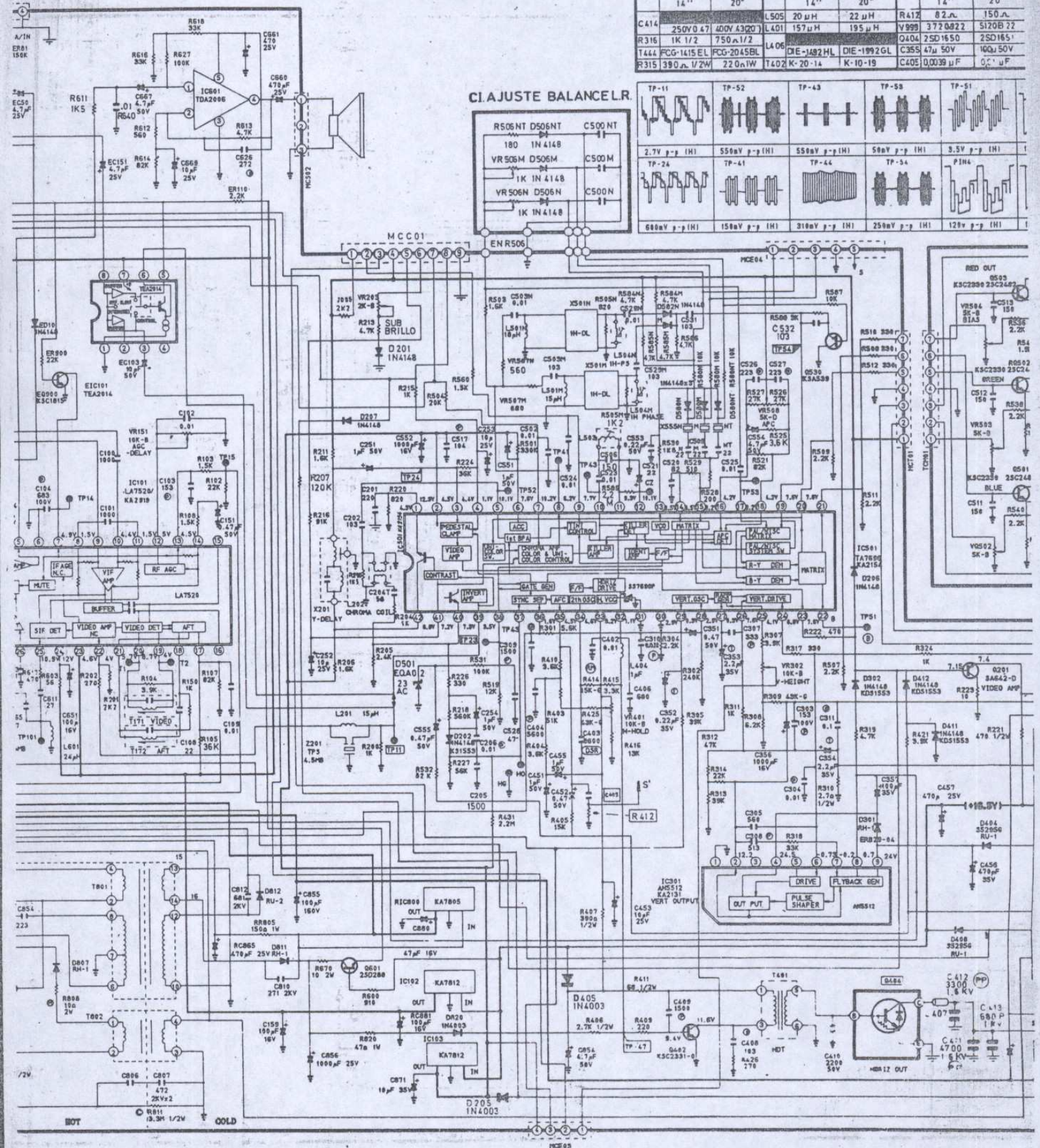
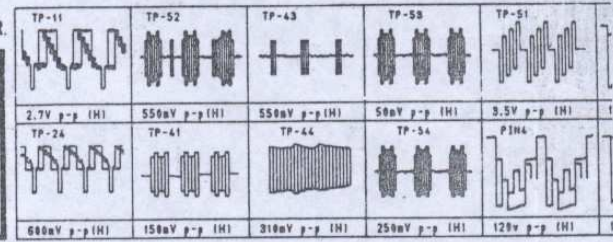
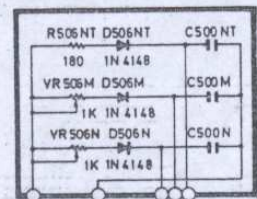
1. Resistance is shown in ohm. $K = 1,000$ $M = 1,000,000$
2. Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in pF, the value more than 1 in μF .
3. Unless otherwise noted in schematic, all inductor values are expressed in μH and the value less than 1 in mH.

NOTE

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

	14"	20"		14"	20"		14"	20"	
				L505	20 μH		R412	82 Ω	150 Ω
C414	250V 0.47	400V 0.33	L401	157 μH	195 μH		V999	372 0822	5120 72
R316	1K 1/2	750 Ω 1/2					Q404	2SD1650	2SD1651
L444	FCG-1415 EL	FCG-2045 BL	L406	DIE-1482 HL	DIE-1992 GL		C355	47 μF 50V	100 μF 50V
R315	390 Ω 1/2W	220 Ω 1W	T402	K-20-14	K-10-19		C405	0.0039 μF	0.01 μF

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 ohms. $K = 1,000$ $M = 1,000,000$
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	400V.43C	L505 20 μH	22 μH	R412 82 Ω	150 Ω
R316	1K 1/2	750 Ω 1/2	L401 157 μH	195 μH	V999 3720822	5120B 12
T444	FCG-1415EL	FCG-2045BL	L406 DIE-1482HL	DIE-1992GL	C404 2SC1650	2SD1651
R315	390 Ω 1/2W	220 Ω 1W	T402 K-20-1	K-10-19	C355 47 μ 50V	100 μ 50V
					C405 0.0039 μF	0.01 μF

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