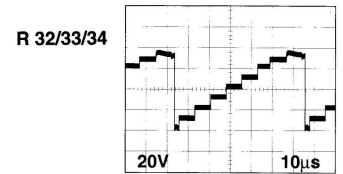
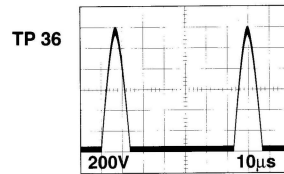
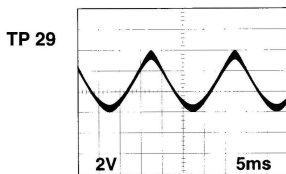
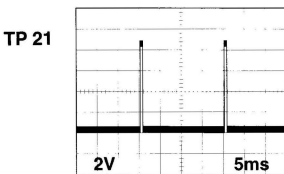
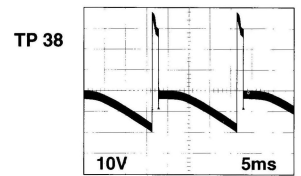
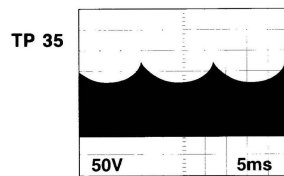
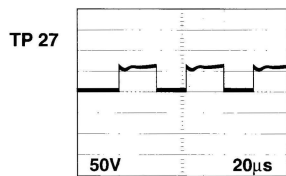
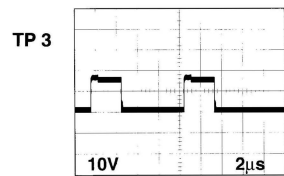
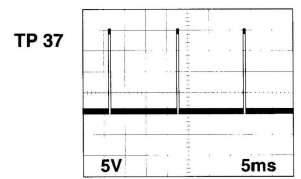
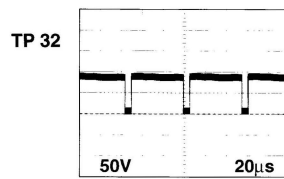
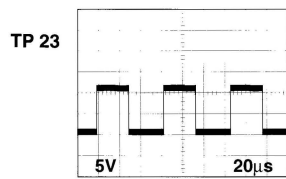
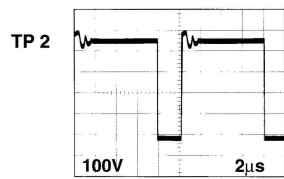
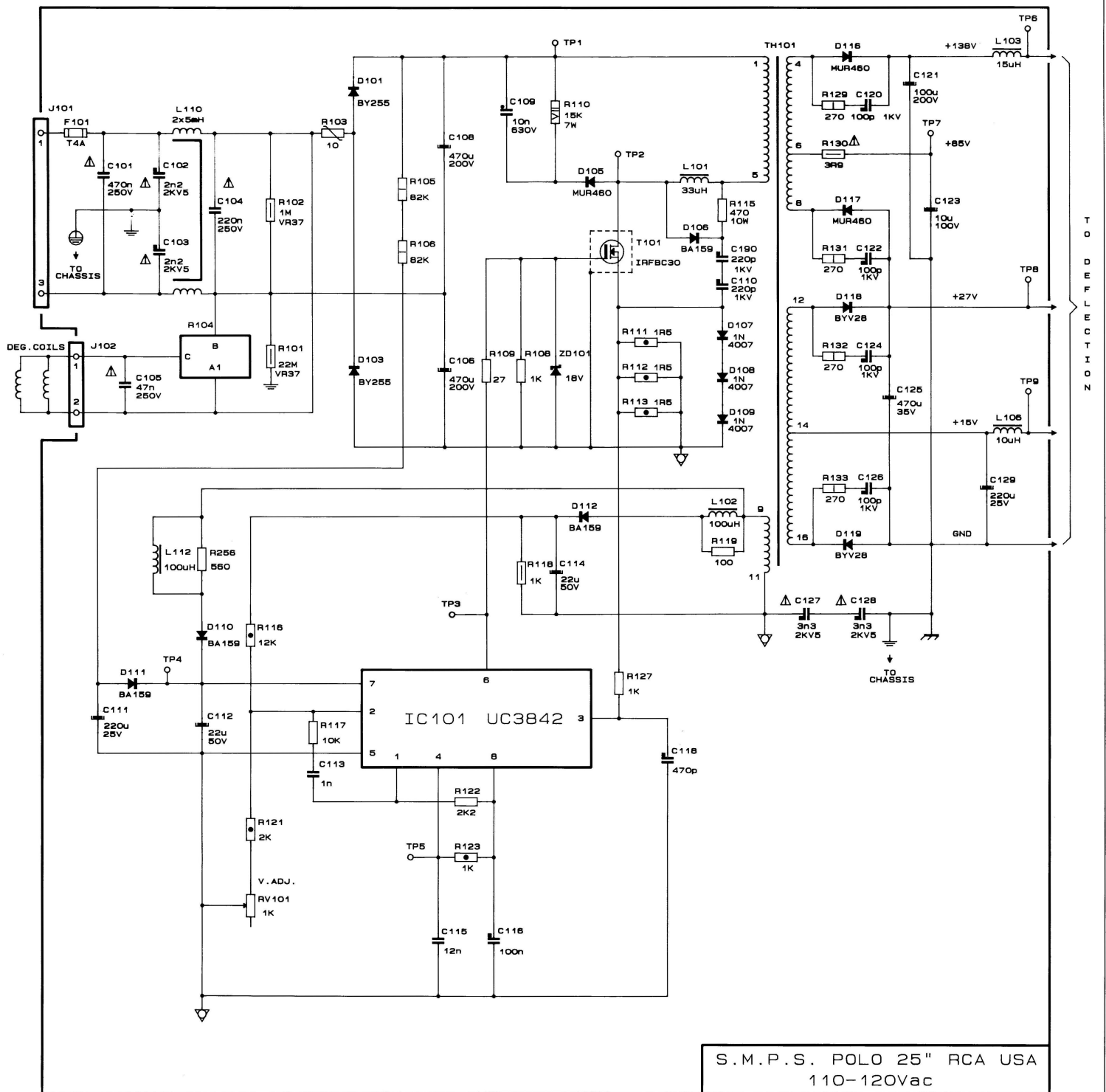
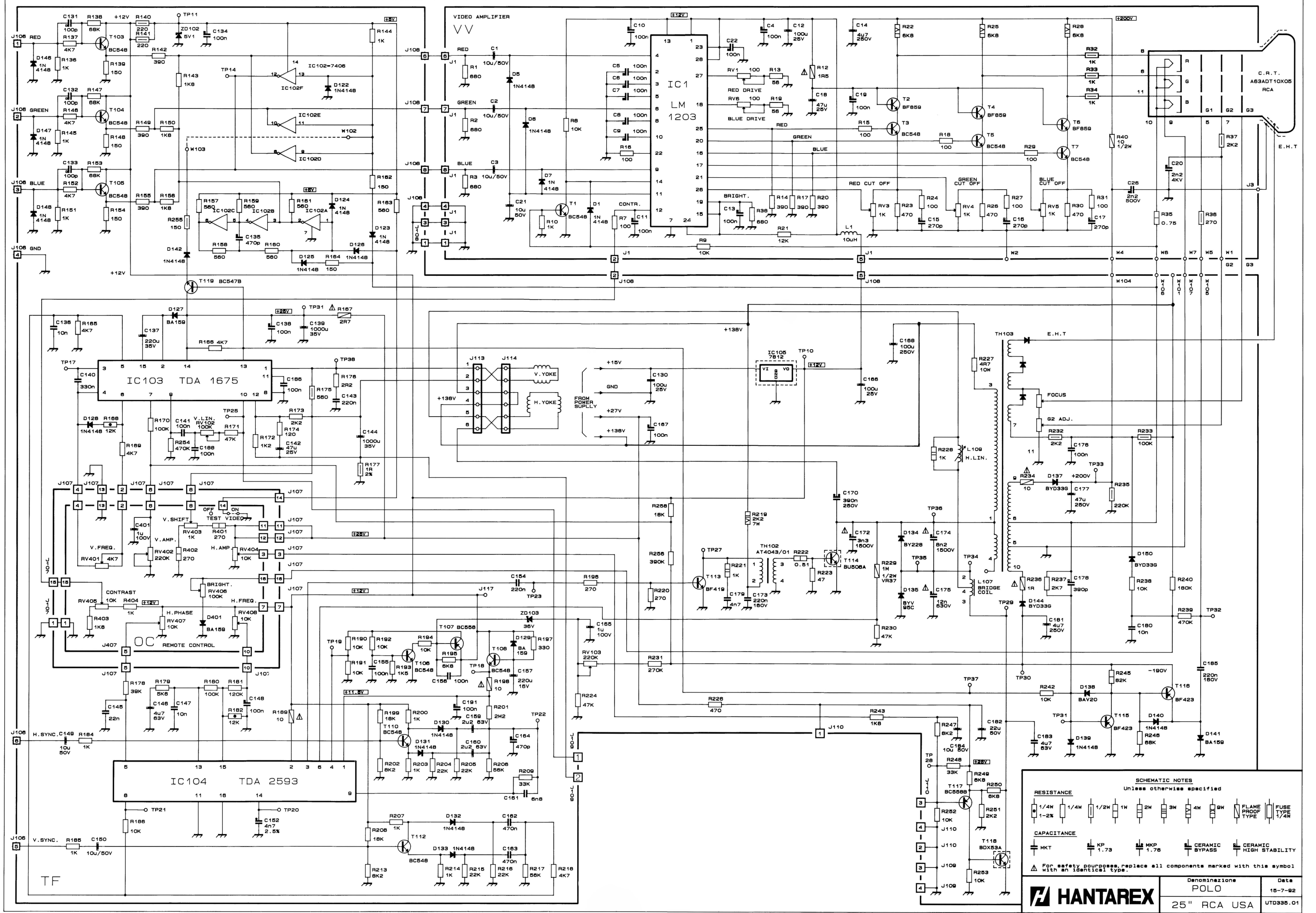


SCHEMA ELETTRICO / PARTS LIST

MONITOR POLO 25" RCA USA

①	<p>ATTENZIONI! Per effettuare qualsiasi misura di controllo nella sezione primaria alimentatore, usando voltmetro digitale o oscilloscopio, occorre separare il monitor dalla rete tramite un TRASFORMATORE DI ISOLAMENTO, facendo comunque attenzione che la terra degli strumenti sia scollegata.</p> <p>Questa precauzione non è necessaria quando si effettuano le misure di controllo nella sezione monitor (deflessione e video), e sulle uscite secondarie dell'alimentatore.</p> <p>Il trasformatore di isolamento deve avere queste caratteristiche: Ingresso 110-120 V a.c. , Uscita 110-120 V a.c. 200 W minimo</p>
Ⓞ	<p>WARNING! Whenever voltage checks are to be made in the primary circuits of the power supply, using a digital voltmeter or an oscilloscope, it is necessary to isolate the monitor from the mains supply by means of an ISOLATING TRANSFORMER also taking care that the instruments are disconnected from earth.</p> <p>This precaution is not necessary when making measurements in the monitor section (deflexion and video), nor in the secondary circuits of the power supply.</p> <p>The isolating transformer for the above purpose should have following characteristics. Input 110-120 V a.c. , Output 110-120 V a.c. 200 W minimum</p>
ⓔ	<p>ATENCIONI! Para efectuar medidas de control en la sección primaria del alimentador, usando voltímetro digital, o bien osciloscopio, es necesario separar el monitor de la red con un TRANSFORMADOR DE AISLAMIENTO, debiendo estar la tierra del instrumento conectada. De esta manera se evita que haya conexión directa a la red entre el instrumento y la sección primaria del alimentador, al estar el instrumento a la tierra se evita dañar cualquier componente y tener la máxima seguridad para el operador. Estas precauciones no son necesarias cuando se efectúan las medidas en la sección del monitor (deflexión vídeo), y sobre la salida secundaria del alimentador.</p> <p>El transformador debe tener estas características: Entrada 110-120 V a.c. , Salida 110-120 V a.c. 200 W minimo</p>
ⓕ	<p>ATTENTION! Pour effectuer n'importe quelle mesure de contrôle dans la section primaire d'alimentation, en utilisant un voltamètre digital ou un oscilloscope, il faut séparer le moniteur du réseau au moyen d'un TRANSFORMATEUR D'ISOLEMENT, en faisant de toute façon attention à ce que la prise de terre des instruments soit débranchée.</p> <p>Cette précaution n'est pas nécessaire quand on effectue les mesures de contrôle dans la section moniteur (déflexions et vidéo), et sur les sorties secondaires de l'alimentateur.</p> <p>Le transformateur d'isolement doit avoir les caractéristiques suivantes. Entrée 110-120 V a.c. , Sortie 110-120 V a.c. 200 W minimum</p>
ⓓ	<p>VORSICHTSMAßNAHMEN! Wenn im Primärnetzteil Messungen mit Hilfe von digitalen Voltmetern und Oszilloskopen vorgenommen werden, ist es notwendig, den Monitor von der Hauptstromversorgung zu trennen. Dies sollte über einen TRENNTTRANSFORMATOR erfolgen. Es ist unbedingt darauf zu achten, daß dann alle Instrumente vom Erdpotential getrennt sind.</p> <p>Diese Vorkehrungen sind nicht notwendig, wenn Messungen auf der Monitorgrundplatte im Bereich der Ablenkung und Videoaufbereitung vorgenommen werden. Außerdem sind obengenannte Vorkehrungen nicht notwendig im Sekundärbereich des Netzteils.</p> <p>Der Trenntransformator sollte folgende Eigenschaften haben. Eingang 110-120 V a.c. , Ausgang 110-120 V a.c. 200 W</p>





SCHEMATIC NOTES
Unless otherwise specified

RESISTANCE

	1/4W	1/4W	1/2W	1W	2W	3W	4W	5W	FLAME PROOF TYPE	FUSE 1/4W
	1-2%									

CAPACITANCE

	MKT	KP 1.7%	MKP	CERAMIC BYPASS	CERAMIC HIGH STABILITY
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⚠ For safety purposes, replace all components marked with this symbol with an identical type.

HANTAREX	Denominazione POLO	Data 15-7-92
	25" RCA USA	UTD355.01

PARTS LIST MONITOR POLO 25" RCA USA DISASSEMBLED

MAIN P.C.B. ASSEMBLY + C.R.T. SOCKET ASSEMBLY CODE 62200813
 C.R.T. SOCKET ASSEMBLY CODE 62018320
 REMOTE CONTROL P.C.B. ASSEMBLY CODE 62015920

MAIN P.C.B. ASSEMBLY 25" RCA USA TF		
CODE	DESCRIPTION	REF. No
28020640	COIL 100 µH 10%	L112-102
28025170	LINEARITY COIL	L109
28021210	BRIDGE COIL	L107
20620080	I.C. MA 7812	IC105
20620190	I.C. TDA 2593	IC104
20670070	I.C. SN 7406	IC102
20670950	I.C. TDA 1670A/1675	IC103
20672920	I.C. UC3842 A	IC101
26422621	CER. CAP. 2.2NF 250V 2.5KV	C102-103
26433601	CER. CAP. 3.3NF 400V 2.5KVP	C127-128
24934701	RADIAL ELECT. CAP. 470MF 200V	C106-108
25144709	CAP., POLYPROPYLENE 4.7NF 63V 2.5%	C152
25463900	C.P. 1.76 390NF 250V	C170
25651002	C.P. 1.73 10NF 630V	C109
25651200	C.P. 1.73 12NF 630V	C175
25943301	C.P. 1.73 3.3NF 1.5KV	C172
25948201	C.P. 1.73 8.2NF 1.5KV	C174
34023356	6-WAY AMP CONNECTOR M1 M.	J113-114
34025106	MOLEX CONN., SIGNALS INPUT 3190 06	J106
34074630	3-WAY POWER-SUPPLY CONNECTOR F.	J101
34074640	2-WAY DEGAUSSING CONNECTOR F.	J102
34076770	16-WAY THRU-LINE CONNECTOR M.	J107
20100001	DIODE 1N 4148	D122-123-124-125-126-130-131-132-133-139-140-146-147-148-128-142
20100012	DIODE BA 159	D127-129-141-106-110-111-112
20110091	DIODE ZENER 18V 1/2W 5%	ZD101
20110120	DIODE ZENER 36V 1/2W 5%	ZD103
20110860	DIODE ZENER 5.1V 1/2W 2%	ZD102
20130060	DIODE BAV20	D138
20150008	DIODE 1N 4007	D107-108-109
20150131	DIODE BY255	D101-103
20150171	DIODE BYV 95/C	D135
20150210	DIODE DAMPER BY228	D134
20150421	DIODE FAST BYV28-200	D118-119
20150460	DIODE BYD33G	D137-144-150
20151280	DIODE ULTRAFast MUR 460	D105-117-116
29100490	TIME-DELAY FUSE 4A 125V 5X20 UL CSA	F101
28029090	MAINS FILTER	L110
50428550	INSULATOR 2KV	T118-101
50429630	INSULATOR 2KV	T114
43000011	SPRING X TO220	T114-118-101-IC103
21000340	NTC 10E	R103
21000038	PTC PHILIPS 110V 2322.662.96013	R104
21311003	RESISTOR, NON-FLAMMABLE 1E 5% 1/2W	R236
21312702	RESISTOR, NON-FLAMMABLE 2.7E 5% 1/2W	R167
21313901	RESISTOR, NON-FLAMMABLE 3.9E 5% 1/2W	R130
21321001	RESISTOR, NON-FLAMMABLE 10E 5% 1/2W	R234
21221002	RESISTOR, NON-FLAMMABLE 10E 5% 1/4W	R189-198
22342203	RESISTOR, HORIZ. 2.2K 5% 7W	R219
22514701	RESISTOR, HORIZ. 4.7E 5% 10W	R227
21405101	METAL OXIDE RES. 0.51E 10% 1W	R222
21432700	METAL OXIDE RES. 270E 5% 1W	R129-131-132-133
21458200	METAL OXIDE RES. 82K 5% 1W	R105-106-245
21541001	METAL OXIDE RES. 1K 5% 2W	R221-228
21211501	METAL LAYER RES. 1.5E 1% 1/4W	R113
21311002	METAL LAYER RES. 1E 2% 1/2W	R177
21211501	METAL LAYER RES. 1.5E 1% 1/4W	R111-112
21241002	METAL LAYER RES. 1K 1% 1/4W	R123
21242001	METAL LAYER RES. 2K 1% 1/4W	R121
21251202	METAL LAYER RES. 12K 1% 1/4W	R116-168-182
22351500	RESISTOR, VERT. 15K 5% 7W	R110
22534700	RESISTOR, VERT. 470E 10% 10W	R115
20400429	TRANSISTOR BC 547B	T119
20401029	TRANSISTOR BC 548B	T103-104-105-106-108-110-112
20401039	TRANSISTOR BC 558B	T107-117
20420159	TRANSISTOR BF 423	T115-116
20410100	TRANSISTOR BDX 53A	T118
20420140	TRANSISTOR BF 419	T113
20430320	TRANSISTOR BU 508A	T114
20432370	TRANSISTOR IRFBC30	T101
28010590	DRIVER TRANSF. AT4043/01	TH102
28028800	EHT TRANSF. ELDOR 1242.5001/A	TH103
28028811	SWITCH TRANSF. ELDOR 20820743 / SEMAR 17016232	TH101

C.R.T SOCKET ASSEMBLY 25" RCA USA VV		
CODE	DESCRIPTION	REF. No
20431070	TRANSISTOR BF 859	T2-4-6
20673970	I.C. LM 1203N	IC1
21321001	RESISTOR, NON-FLAMMABLE 10E 5% 1/2W	R40
21407500	METAL OXIDE RES. 0.75E 10% 1W	R35
21746800	METAL OXIDE RES. 6.8K 5% 4W	R22-25-28
23031007	CARBON TRIMMER 100E VERT.	RV1-2
23041013	CARBON TRIMMER 1K VERT.	RV3-4-5
26422641	CER.CAP. 2.2NF 400V/4KV	C20
34020400	C.R.T. EARTHING TERMINAL S187	J3
34020730	CRT SOCKET SQ.SMK CTV 3240-1251 VSD	
50430750	TRIMMER ADJUSTMENT SHAFT, GREEN	RV2
50430751	TRIMMER ADJUSTMENT SHAFT, RED	RV1
50117591	HEATSINK X TRANS.	T2-4-6
53840890	P.V.C. ELECTRIC SHOCK PROTECTION	
20100001	DIODE 1N 4148	D1-R4-5-6
21211503	RESISTOR, NON-FLAMMABLE 1.5E 5% 1/4W	R12
20401029	TRANSISTOR BC 548 B	T1-3-5-7

CONTROLS P.C.B. ASSEMBLY 25" OC		
CODE	DESCRIPTION	REF. No
20100012	DIODE BA 159	D401
21432700	METAL OXIDE RES. 270E 1W	R401-402
23041009	TRIMMER 1K HORIZ.	RV403
23044710	TRIMMER 4.7K HORIZ.	RV401
23051013	TRIMMER 10K HORIZ.	RV404-405-407-408
23061010	TRIMMER 100K HORIZ.	RV406
23062207	TRIMMER 220K HORIZ.	RV402
34060140	SHUNT CONNECTOR	J402
50423430	ADJUSTMENT SHAFT PT15 D6	RV403
50430750	TRIMMER ADJUST. SHAFT, HEXAG. GREEN	RV402-404-405-407 RV408-401-406

C.R.T. ASSEMBLY 25" RCA	
CODE	DESCRIPTION
	C.R.T. 26" RCA A63ADT 10X05
61001071	YOKE WIRING ASSEMBLY
61013050	DEGAUSSING COIL ASSEMBLY
61013831	GROUNDING BRAIDED WIRE ASSY
34020440	CONNECTOR FEM. S187 160.430/2 FOR J3

ACCESSORIES	
CODE	DESCRIPTION
34074670	3-WAY POWER SUPPLY INPUT CONNECTOR
34076400	POWER SUPPLY INPUT LUGS, MALE
34077420	FIXING EARTHING WIRE LUG
40114007	THREADED EARTHING POST 4x6
42000540	EARTHING POST TOOTHED WASHER 4.3x8x0.5
61000142	SIGNALS INPUT WIRING

