



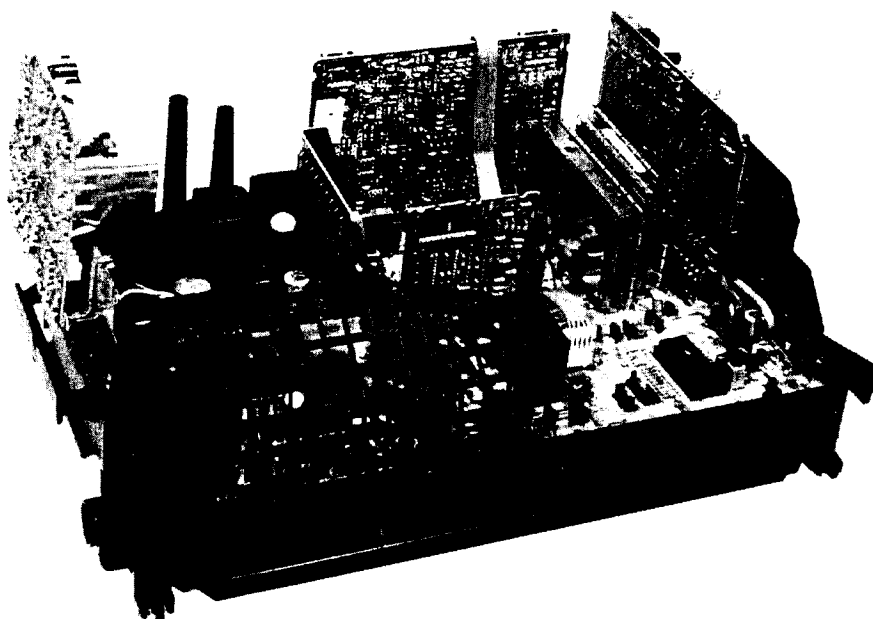
# FERGUSON

THOMSON TECHNOLOGY

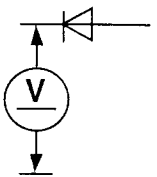
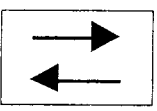
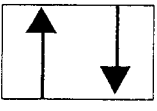
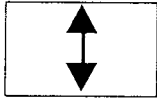
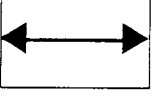
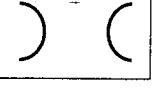
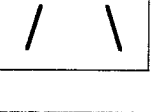
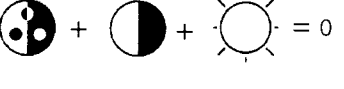
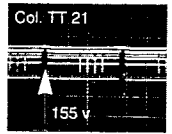

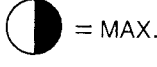
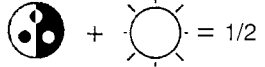

## ICC8 SERIES

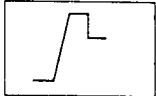

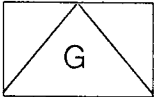


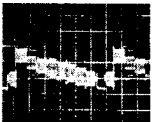
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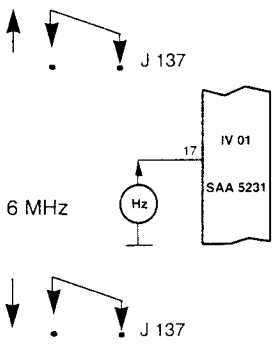
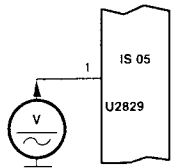
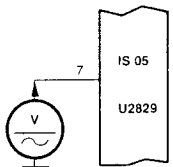
MODEL NUMBERS LISTED ON PAGE 1.

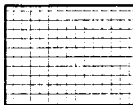


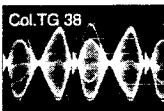
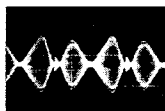

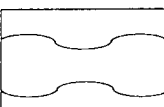
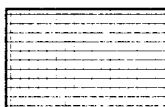
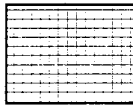


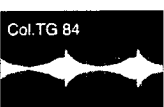



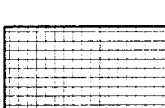
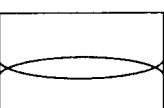
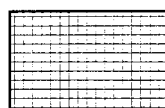


## SERVICE MANUAL

Pos.	Adj. / Rég. / Eins. / Tara	Adjust to / Régler pour / Einstellen auf / Reglar para / Regolare su
<b>MAIN</b> PP 52	Principal voltage Tension principale Versorgungsspannung Tensión principal Tensione principale	$V=U \text{ Syst.}^*$  DP 50 * 145 V Full Square 155 V Planar
PL 39	Horizontal picture shift Cadrage horizontal Bildlage horizontal Cuadrage horizontal Correzione orizzontale	
PF 04	Vertical picture shift Cadrage vertical Bildlage vertikal Cuadrage vertical Correzione verticale	
PF 11	Picture height amplitude verticale Bildhöhe Amplitud vertical Ampiezza verticale	
PG 01	Picture width amplitude horizontale Bildbreite Amplitud horizontal Ampiezza orizzontale	
PG 06	East-West pillow Coussin Est-Ouest Ost-West kissen Cojin Este-Oeste Cuscino Est-Ouest	
PG 04(4/3) PG20(16/9)	East-West pincushion Trapèze Est-Ouest Ost-West trapez Trapezio Este-Oeste Trapezio Est-Ouest	
<b>CRT</b> PT 01	Screen grid voltage Tension G2 Schirmgitterspannung Tensión rejilla Tensione griglia	 Col. TT 21 155 v 
<b>MAIN</b> PV 79	Peak white Ecretage des blancs Spitzenweiss Punta de blanco Bianco punte	   PIN11 TRC 

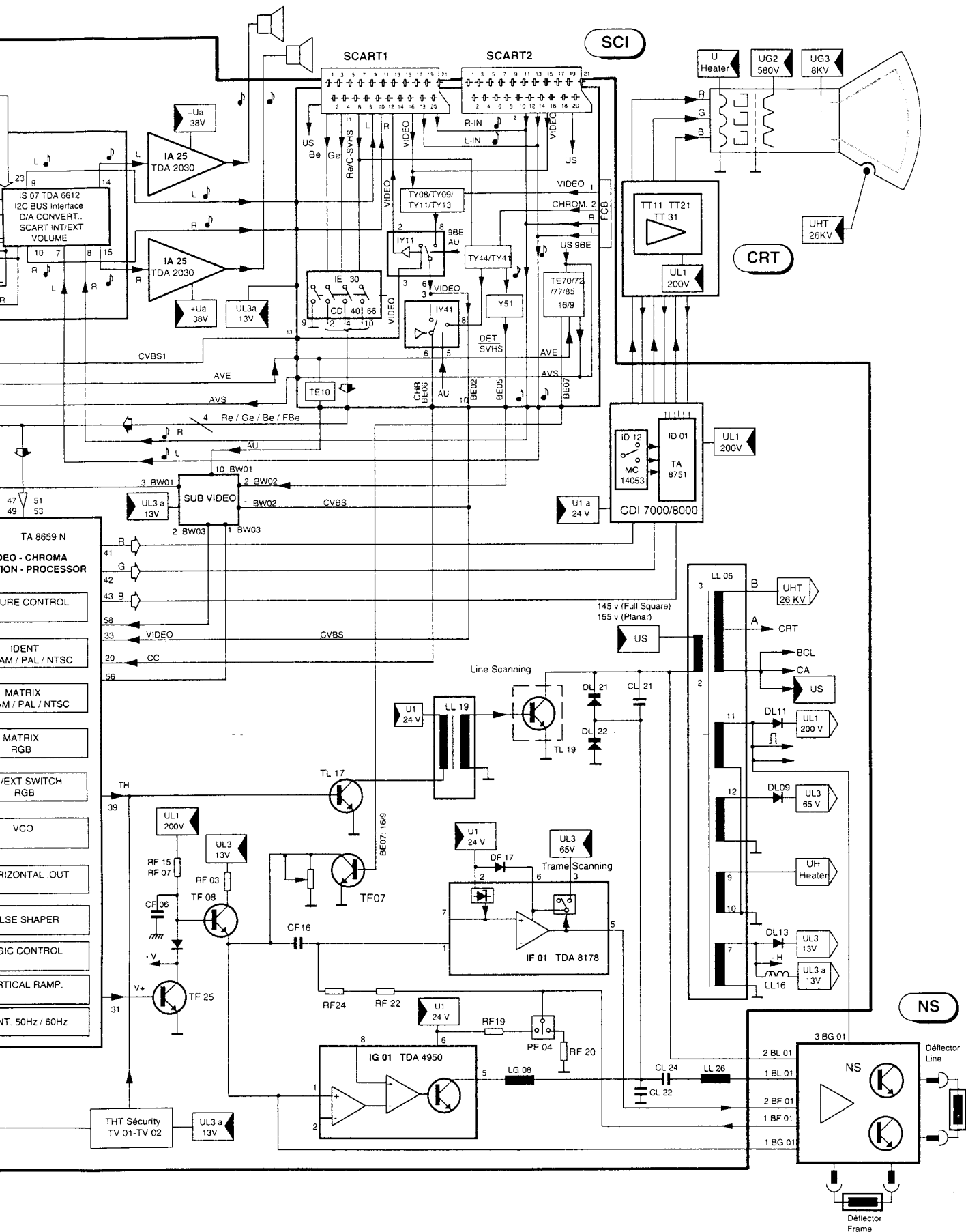
Pos.	Adj. / Rég. / Eins. / Tara. /	Adjust to / Régler pour / Einstellen auf / Reglar para / Regolare su
<b>MAIN</b>  PV 58	CONTOUR	
<b>CRT</b>  PT 12 PT 22	Red ; Rouge ; Rot ; Rojo ; Rosso Green ; Vert ; Grün ; Verde ; Verde	 
PT 01	FOCUS	
<b>MAIN</b>  LI 6I	Sound rejection Réjecteur son Tonunterdrückung Trampa audio Relettore audio	 Incorrect Falsche Incorrecto Scoretto  Correct Korrekt Correcto Coretto
PC 44      LC 43	PAL amplitude Amplitude PAL PAL pegel (PAL) Amplitud PAL Ampiezza PAL  Delay line Ligne à retard Verzögerungsleitung (PAL) Linea de retardo	Pairing min. Effet persienne min. Paarigkeit min. Efecto persiana minimo. Parita min.

<b>DVT</b>  LV 27	Oscillator Oscillateur Oszillator Oscilador Oscillatore	-1 -2 -3 
<b>NI</b>  LS 03 5,5MHz	Demodulation flywheel Volant de démodulation Demodulations-Schwungrad Bobina de desmodulación Bobina di demodulazione	 V=MAX
LS 04 5,74 MHz	Demodulation flywheel Volant de démodulation Demodulations-Schwungrad Bobina de desmodulación Bobina di demodulazione	 V=MAX

Pos.	Adj. / Rég. / Ein / Tara	Adjust to / Régler pour / Einstellen auf / Reglar para / Regolare su			
NS					
		Mire de convergences 			
PG 32		-1	PG 32 	max	
	Gullwing correction control Amplitude de correction aile de mouette Möwenflügel-Korrekturamplitude Amplitud de corrección ala de gaviota Ampiezza correzione ala di gabbiano	-2	LG 39 		
				Incorrect Falsche Incorrecto Scoretto	
					Correct Korrekt Correcto Coretto
LG 39		-3	PG 32 		
				Incorrect Falsche Incorrecto Scoretto	
					Correct Korrekt Correcto Coretto
Crosshatch pattern 					
PG 79		-1	PG 79 	max	
	Amplitude of North/South pincushion Amplitude Nord/Süd Nord/Süd Kissen Amplitude Amplitud de cojin Norte/Sur Ampiezza cuscino Nord/Sud	-2	LG 84 		
				Incorrect Falsche Incorrecto Scoretto	
					Correct Korrekt Correcto Coretto
LG 84		-3	PG 79 		
				Incorrect Falsche Incorrecto Scoretto	
					Correct Korrekt Correcto Coretto
PG 63	Symmetry top and bottom Symétrie haut et bas Symmetrie oben unten Simetria alto bajo Simmetria alto basso			Incorrect Falsche Incorrecto Scoretto	
					Correct Korrekt Correcto Coretto



# DE BLOQUES - SCHEMA A BLOCCHI (STEREO)



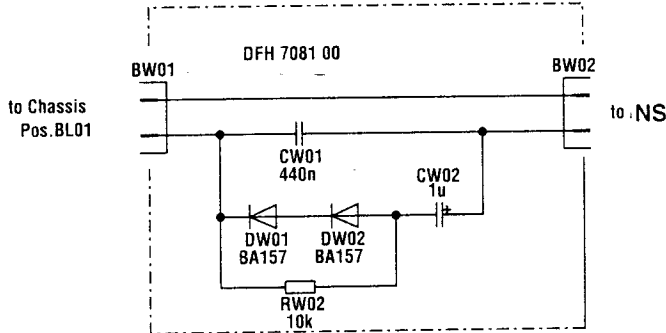
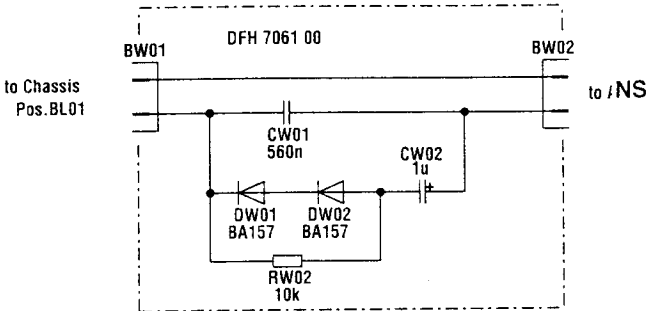
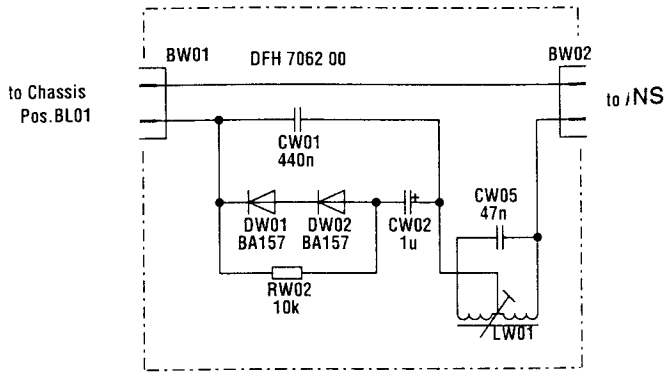
\* - CPT PART LIST :SCAN (CIRCUIT)

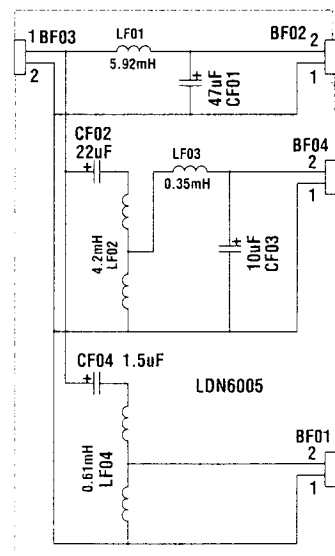
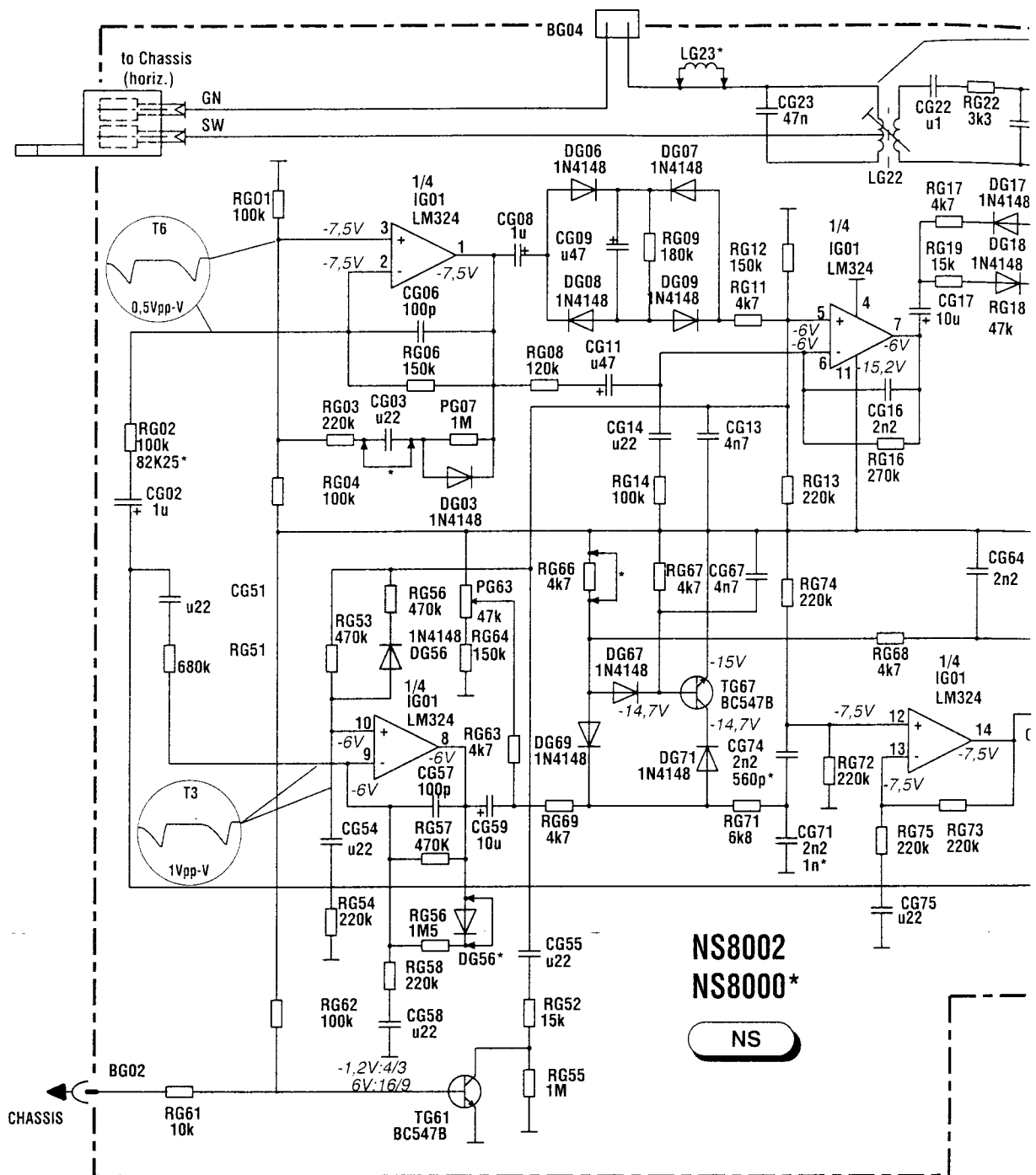
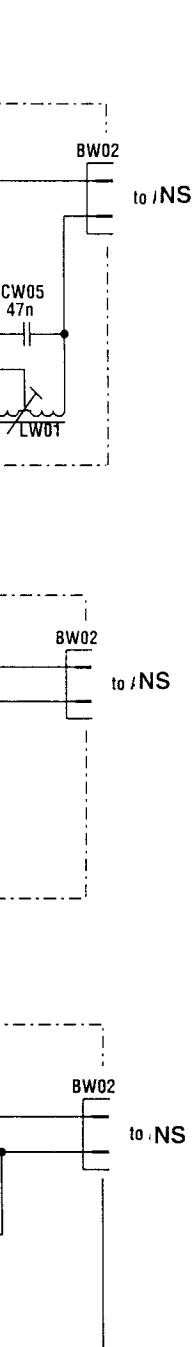
CRT	29 " BSP	25" FS	25" MP	22 " FST
CF 04	1 µF	1 µF	1 µF	1 µF
CG 05	47 nF	47 nF	47 nF	47 nF
CL 22	12 nF	20 nF	20 nF	20 nF
CL 24	1.5 µF	440 nF	1 µF	1 µF
CL 25	1 µF	1 µF	1 µF	1 µF
CL 27	220 nF	-	-	-
DL 26	BA 157	-	BA 157	BA 157
J 128	-	-	-	-
J 129	Strap	-	-	-
LG 08	oui	0	0	0
LL 05	oui	-	-	-
LL 06	-	30 µH	-	-
LL 23	-	-	-	46 µH
LL 26	30 µH	37,5 µH	37,5 µH	30 µH
RF 11	1 K	1 K	1 K	1 K
RF 16	12,7 K - 1%	17,8 K - 1%	17,8 K - 1%	12,7 K - 1%
RF 22	34,8 K - 1%	43,2 K - 1%	43,2 K - 1%	33,2 K - 1%
RF 24	33,2 K - 1%	48,7 K - 1%	48,7 K - 1%	38,3 K - 1%
RF 27	47 k	68 K	68 K	56 K
RG 07	270 K	270 k	270 K	270 K
RG 20	10 K	10 k	10 K	10 K
RG 21	10 K	-	-	-
RL 05	120 K	120 k	120 K	120 K
RL 21	680 M	680 M	680 M	680 M
RL 25	2,2 K	-	2,2 K	-
RL 27	-	560	560	560
RL 28	-	1 K	-	680
DFH 7081		DFH 7061	DFH 7062	DFH 7052
CW 01	440 nF	560 nF	440 nF	470 nF
CW 02	-	-	-	1 µF
CW 05	-	-	47 nF	-
DW 01	-	-	-	BA 157
DW 02	-	-	-	BA 157
LW 01	-	-	oui	-
RW 02	10 K	10 K	10 K	10 K

L'05	OREGA	ELDOR
CL 21	11 nF	11 nF
CL 23	6,8 nF	6,8 nF
RL 23	22Ω	22Ω
RL 30	1,2Ω	0,27Ω
LL 23	60 µH	54 µH

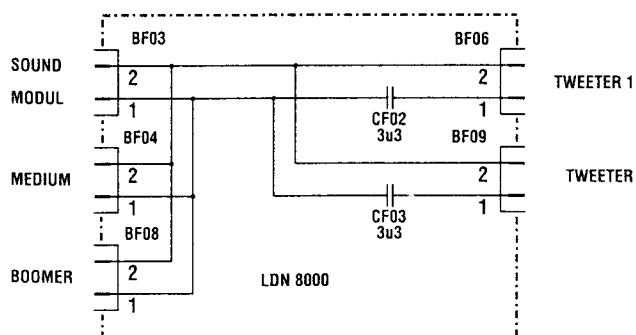
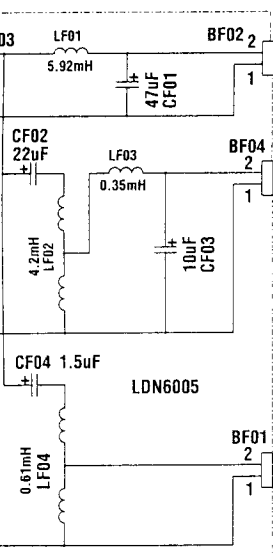
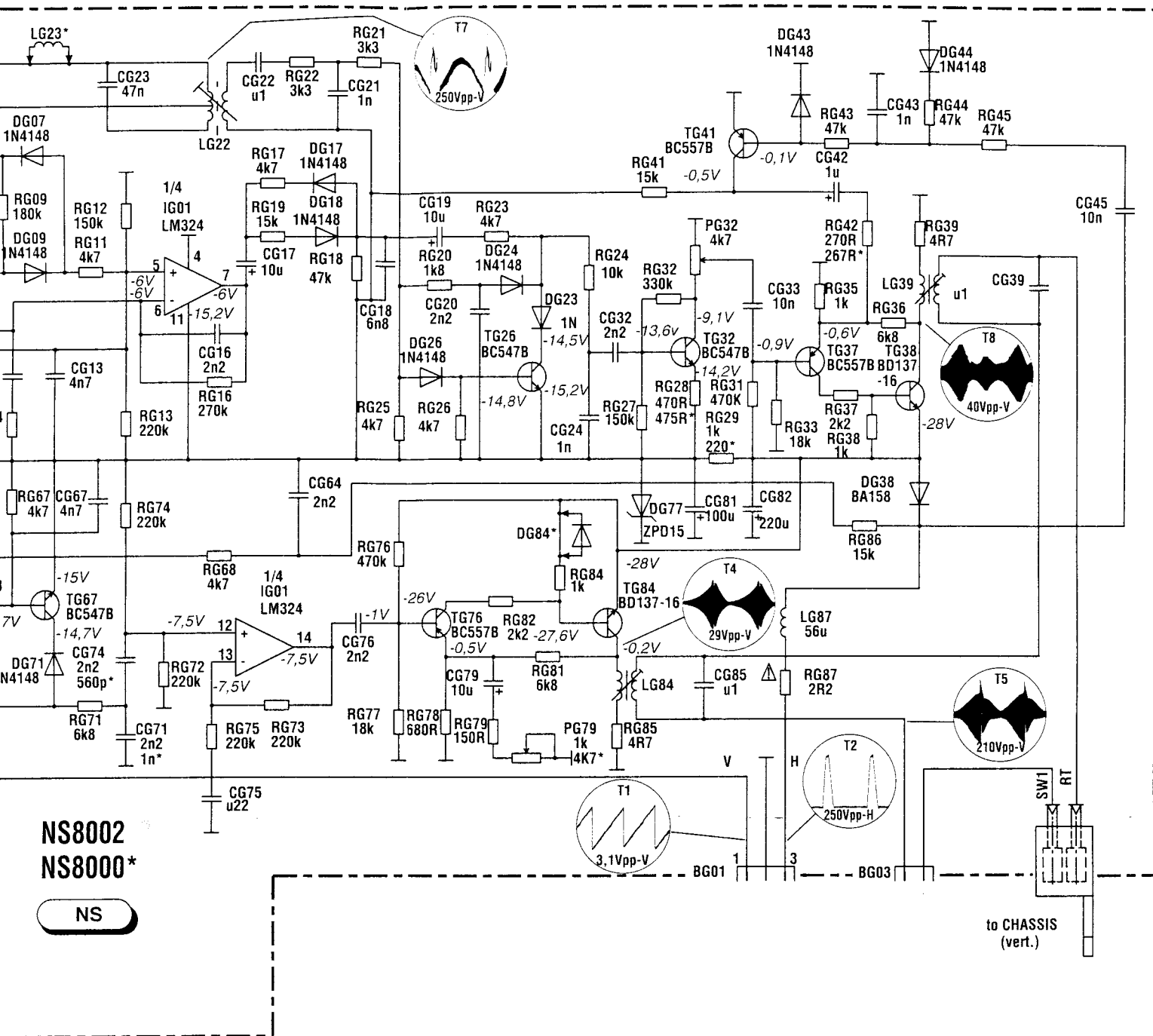
\*\* - POWER SUPPLY (CIRCUIT)

	21 " 110 °	21 " 110 °	25 " /28 " /29" 110 °	25 " /28 " /29" 110 °
	Version (1)	Version (2)	Version (1)	Version (2)
TP 29	BUH 515	BUH 713	BUH 515	BUH 713
LP 36	401531-00	473100-01	401530-00	473100-02
RP 06	39 K	27 K	39 K	27 K
RP 18	47	22	47	22
RP 19	33	-	33	220
RP 21	4,7	10	4,7	10
RP 27	3,3 K	15 k	3,3 K	15 k
CP 16	220 nF	47 nF	220 nF	47 nF
CP 19	210 nF	330 nF	210 nF	330 nF
CP 22	470	1000 µF	470	1000
CP 28	330 pf	1 µF	330	1 µF
CP 29	3,3 nF	2,2	3,3 nF	2,2
DP 19	BA 157	-	BA 157	BA 157

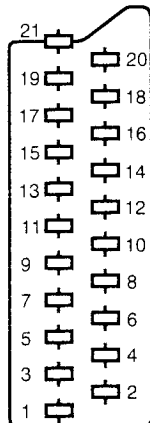








- This service manual is designed to be progressively enlarged and updated as and when necessary. The contents for chapter 1 indicate the various sections which it will eventually contain.  
The page numbering system ensures that future publications can either be added to or substituted for existing pages.
- Dans le sommaire chapitre I sont énumérés les différents chapitres qui, à terme, constitueront cette documentation technique à caractère évolutif. Par notre système de numération des pages nos parutions à venir s'ajouteront ou se substitueront à celles existantes.
- Im Inhaltsverzeichnis von Kapitel I sind die verschiedenen Kapitel aufgeführt, aus denen die vorliegende technische Dokumentation bestehen wird, welche ständig auf dem letzten Stand gehalten wird.  
Unser Seitennumerierungssystem wird dazu dienen, die später erscheinenden Seiten einzugliedern und die ungültig gewordenen herauszunehmen.
- En el sumario del capítulo I, se enumeran los diferentes capítulos que a plazo, constituirán esta documentación técnica que tiene un carácter evolutivo. Mediante nuestro sistema de numeración de las páginas, los próximos documentos se agregarán a, o sustituirán los existentes.
- Nell' indice del capitolo I sono elencati i differenti capitoli che alla fine costituiranno una documentazione tecnica a carattere evolutivo. In base al sistema di numerazione delle pagine, le future pubblicazioni si aggiungeranno o si sostituiranno a quelle esistenti.



NOTE : (MAIN) ... etc. : identifies each pcb modul.

NOTE : (MAIN) ... etc. ... repères des platines constituant l'appareil.

HINWEIS : (MAIN) usw. Kennzeichnungen der Platinen, aus denen das Gerät zusammengesetzt ist.

NOTA : (MAIN) ... etc. marcas de las placas que constituyen el aparato.

NOTA : (MAIN) ... ecc. indicazioni delle piastre che costituiscono l'apparecchio.

		ENGLISH	FRANÇAIS	DEUTSCH	ESPAÑOL	ITALIANO
1	→	AUDIO "R"	AUDIO "D"	AUDIO "R"	AUDIO "D"	AUDIO "D"
2	→	AUDIO "R"	AUDIO "D"	AUDIO "R"	AUDIO "D"	AUDIO "D"
3	→	AUDIO "L"	AUDIO "G"	AUDIO "L"	AUDIO "I"	AUDIO "S"
4	—	AUDIO	AUDIO	AUDIO	AUDIO	AUDIO
5	—	"BLUE"	"BLEU"	"BLAU"	"AZUL"	"BLU"
6	→	AUDIO "L" MONO	AUDIO "G" MONO	AUDIO "L" MONO	AUDIO "I" MONO	AUDIO "S" MONO
7	→	"BLUE"	"BLEU"	"BLAU"	AZUL	BLU
8	→	SLOW SWITCH	COMMUT. LENTE	LANGSAMUMS CHALTUNG	"CONMUTACION LENTA"	"COMMUTAZIONE LENTA"
9	—	"GREEN"	"VERT"	"GRÜN"	"VERDE"	"VERDE"
10	NC					
11	→	"GREEN"	"VERT"	"GRÜN"	"VERDE"	"VERDE"
12	NC					
13	—	"RED"	"ROUGE"	"ROT"	"ROJA"	"ROSSO"
14	NC					
15	→	"RED"	"ROUGE"	"ROT"	"ROJA"	"ROSSO"
16	→	FAST SWITCH	COMMUT. RAPIDE	SCHNELLUMS CHALTUNG	"CONMUTACION RAPIDA"	"COMMUTAZIONE RAPIDA"
17	—	VIDEO	VIDÉO	VIDÉO	VIDÉO	VIDÉO
18	—	FAST SWITCH	COMMUT. RAPIDE	SCHNELLUMS CHALTUNG	"CONMUTACION RAPIDA"	"COMMUTAZIONE RAPIDA"
19	→	VIDEO	VIDÉO	VIDÉO	VIDÉO	VIDÉO
20	→	VIDEO OR "SYNC"	VIDEO SYNCHRO	VIDEO ODER "SYNCHRO"	VIDEO O SINCRO	VIDEO O SINCRO
21	→	PLUG SCREEN BOX	BLINDAGE FICHE	ABSCHIRMUNG DES STECKERS	BLINDAJE DEL ENCHUFE	ARMATURA DELLA SPINA

→ : OUTPUT - SORTIE - AUSGANG - SALIDA - USCITA

→ : INPUT - ENTRÉE - EINGANG - ENTRADA - ENTRATA

— : EARTH - MASSE - MASSE - MASA - MASSA

## MEASUREMENT CONDITIONS - CONDITIONS DE MESURES - MESSBEDINGUNGEN CONDICIONES DE MEDIDAS - CONDIZIONI DI MISURA

RECEIVER : On UHF, input level : 1 mV, bar test pattern :  
- PAL, 1 standard, 100% white.

Via the scart socket, input level : 1 VDC, bar test pattern :

Colour, contrast and brightness at mid-position, sound at minimum.  
Programme selected : PR 01.

DC voltages measured between the point and earth using a digital voltmeter.

RECEPTEUR : En UHF, niveau d'entrée 1 mV mire de barres  
- SECAM, Norm L, Blanc 100%.

Par la prise Péntelvision, niveau d'entrée 1 Vcc, mire de barres.

Couleur, contraste, lumière à mi-course, son minimum.  
Programme affecté PR 01.

Tensions continues relevées par rapport à la masse avec un voltmètre numérique.

EMPFÄNGER : Bei UHF Eingangsspegel 1 mV, Stabprüfbild :  
- PAL, Norm G, Weiss 100%.

Durch die Pentel-Steckdose : Eingangsspegel 1 V GS, Prüfbild :

Farbe, Kontrast, Licht in der Mitte des Bereichs, Ton auf Minimum.  
Zugeordnetes Programm PR 01.

Gleichspannungen mit einem digitalen Voltmeter zur Masse gemessen.

RECEPTOR : En UHF, nivel de entrada 1 mV, mira de barras :  
- PAL, norma G, blanco 100%.

Por la toma Pentelvision, nivel de entrada 1 Vcc mira de barra.

Color, Contraste, luz a mitad de carrera. Sonido mínimo.  
Programa afectado PR 01.

Tensiones continuas marcadas en relación a la masa con un voltmetro digital.

RICEVITORE : In UHF, livello d'entrata 1 mV, monoscopia per barre :  
- PAL, norma G, bianco 100%.

Per la presa SCART, livello d'entrata 1 Vcc, monoscopia per barre :

Colore, Contrasto, Luce a metà corsa. Suono minimo.  
Programma designato PR 01.

Tensioni continue rilevate per rispetto alla massa con un voltmetro numerico.



⚠ Indicates critical safety components, and identical components should be used for replacement.

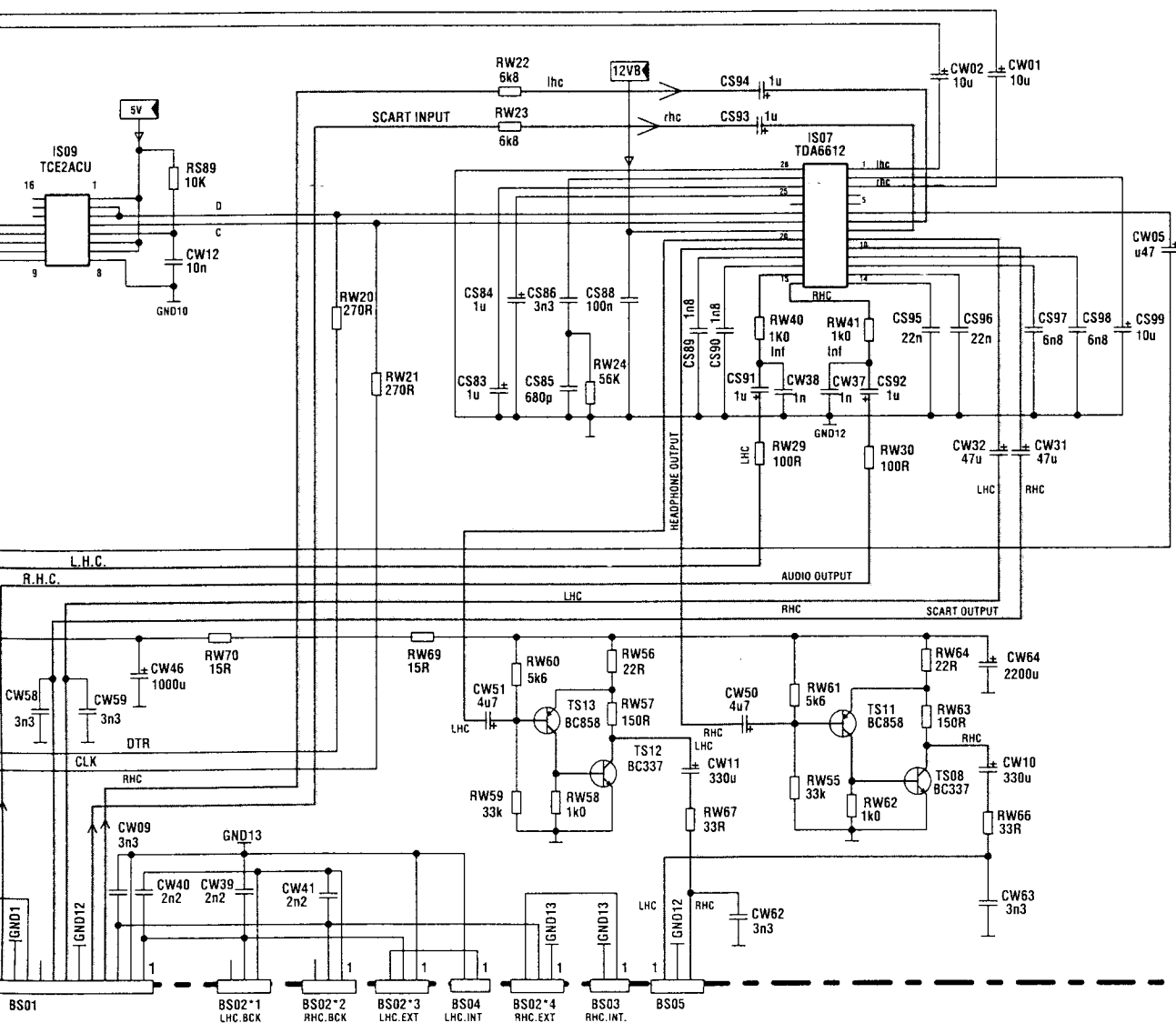
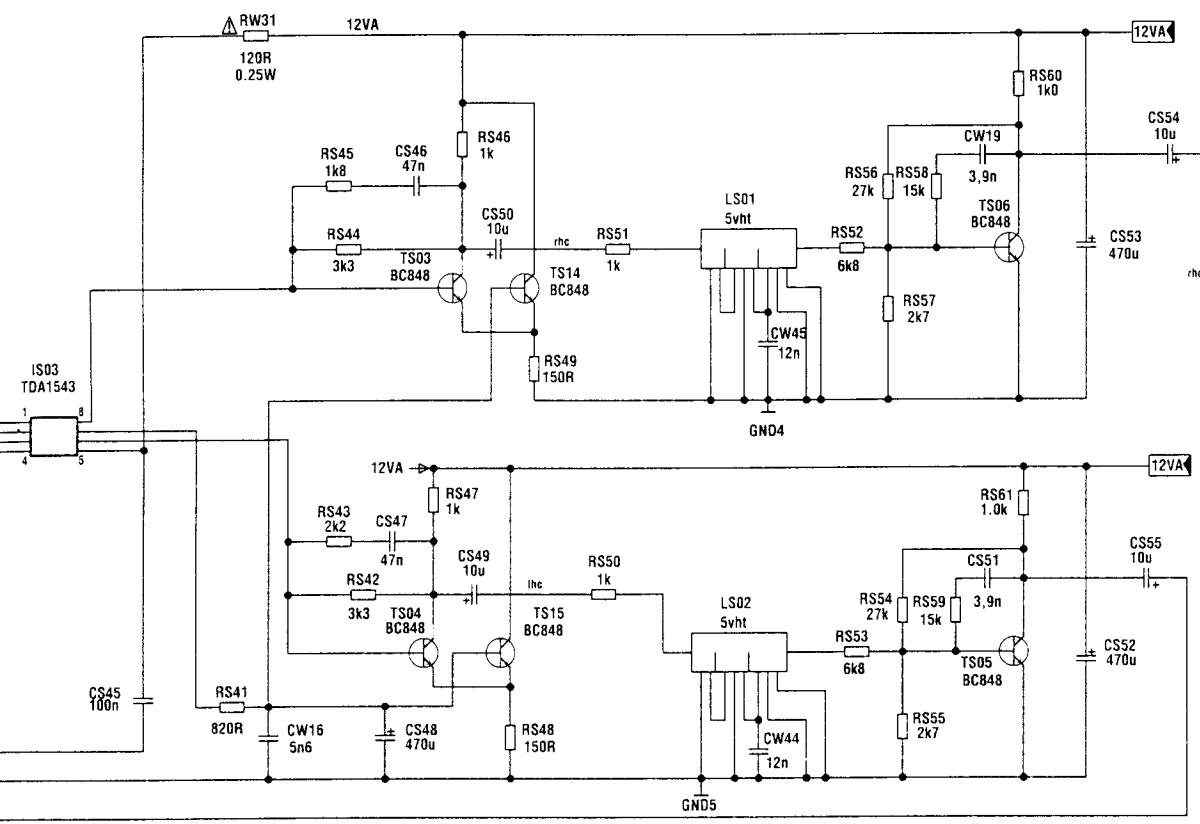
Le remplacement des éléments de sécurité (repérés avec le symbole ⚠) par des composants non homologués selon la Norme CEI 65 entraîne la non-conformité de l'appareil.  
Dans ce cas, la responsabilité du fabricant n'est plus engagée.

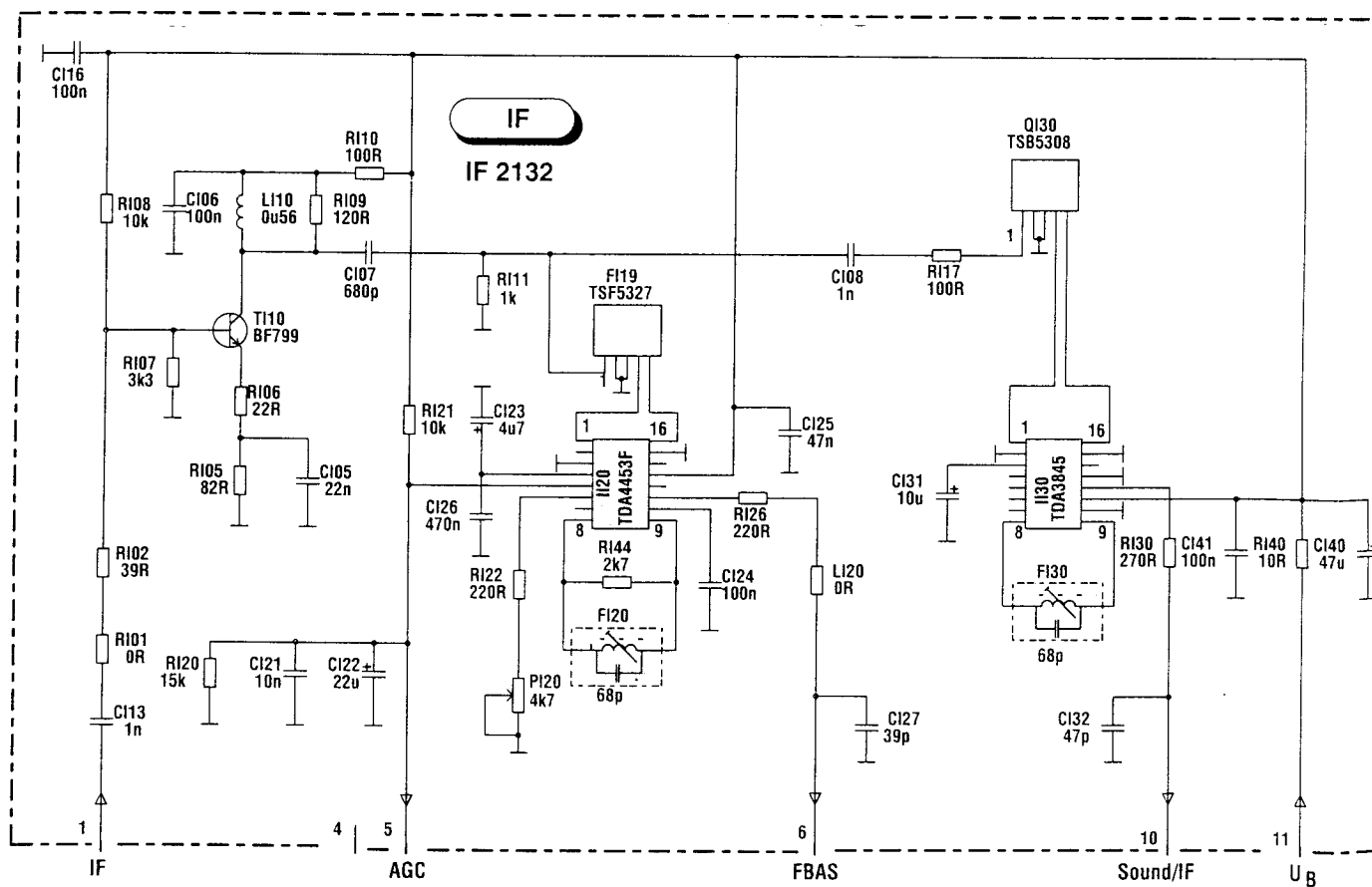
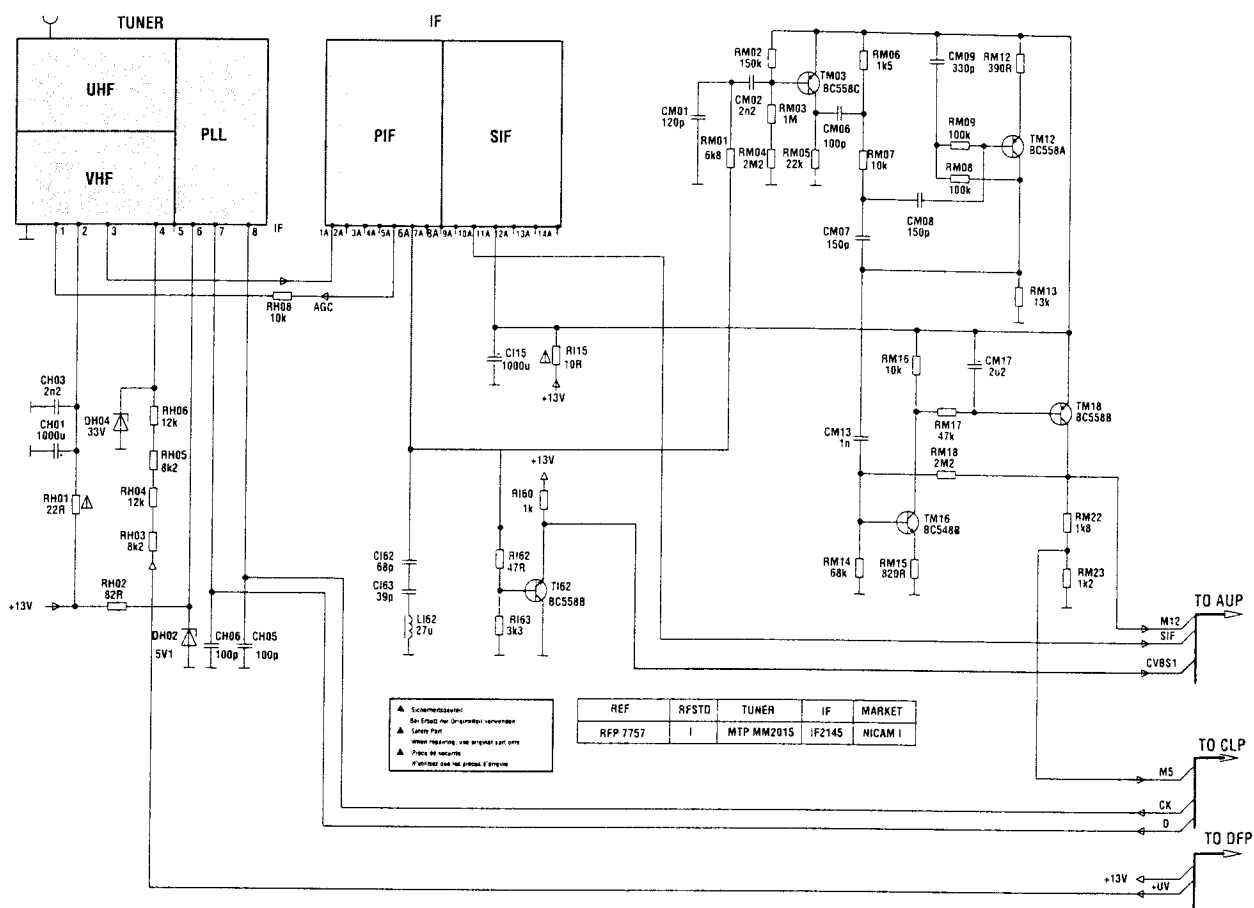
Wenn Sicherheitsteile (mit dem Symbol ⚠ gekennzeichnet) durch nicht normengerechte Teile ersetzt werden, erlischt die Haftung des Herstellers.

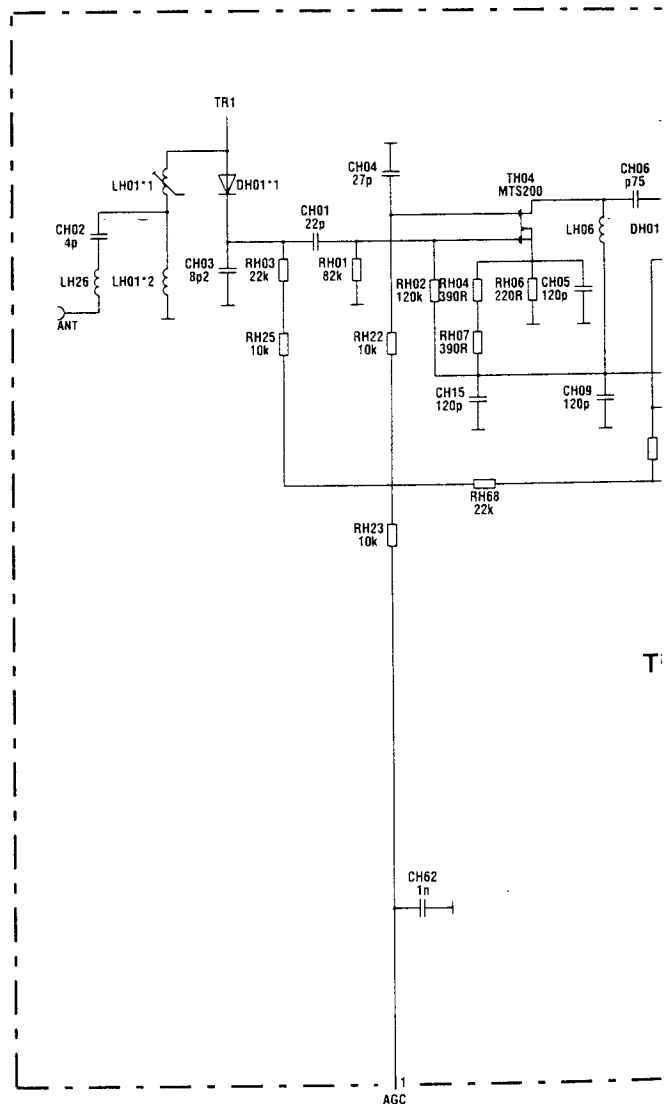
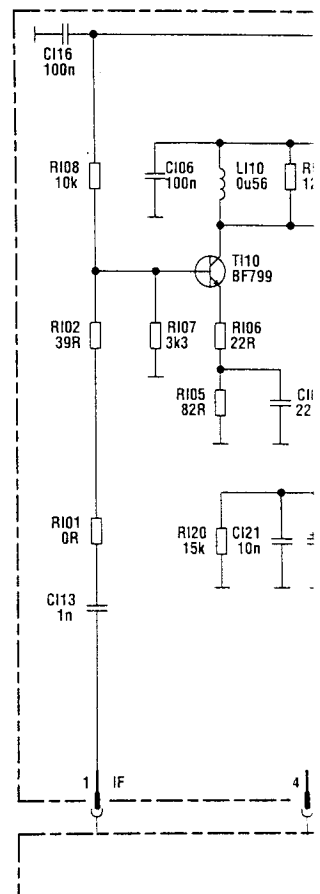
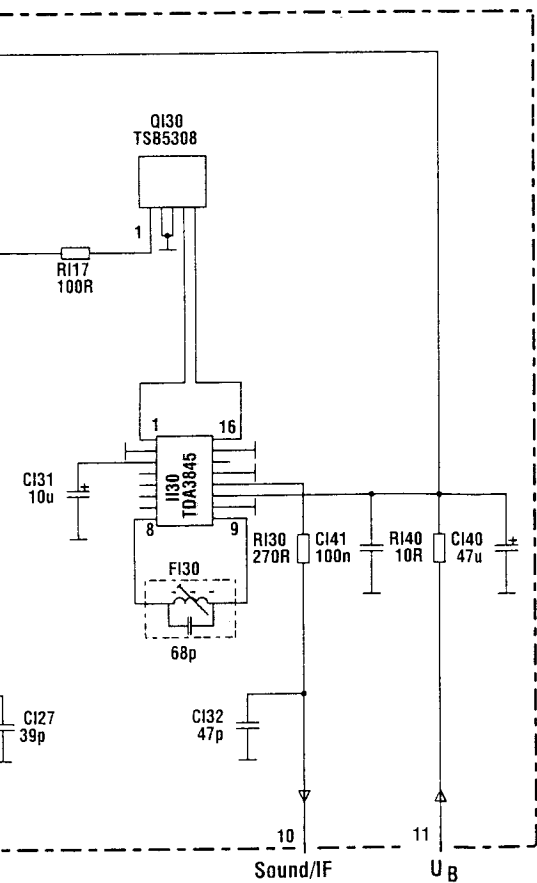
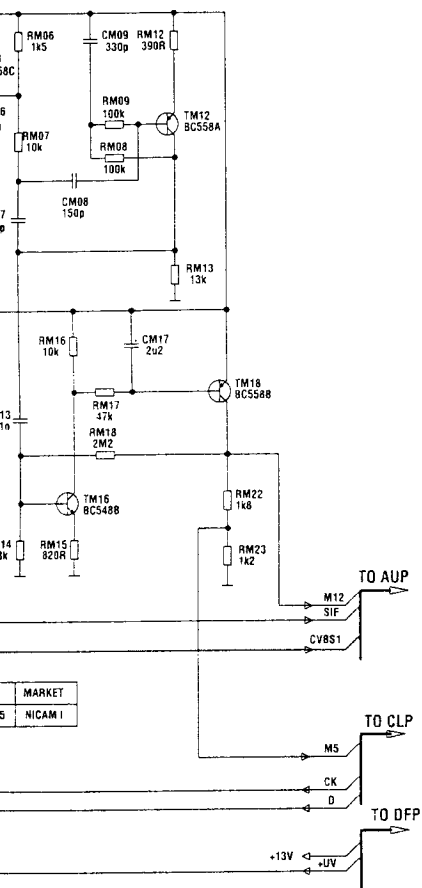
La sostituzione di elementi di sicurezza (marcati con il simbolo ⚠) per componenti non omologati secondo la norma CEI 65, provoca la non conformità dell'apparecchio.  
In tal caso, il fabbricante cessa di essere responsabile.

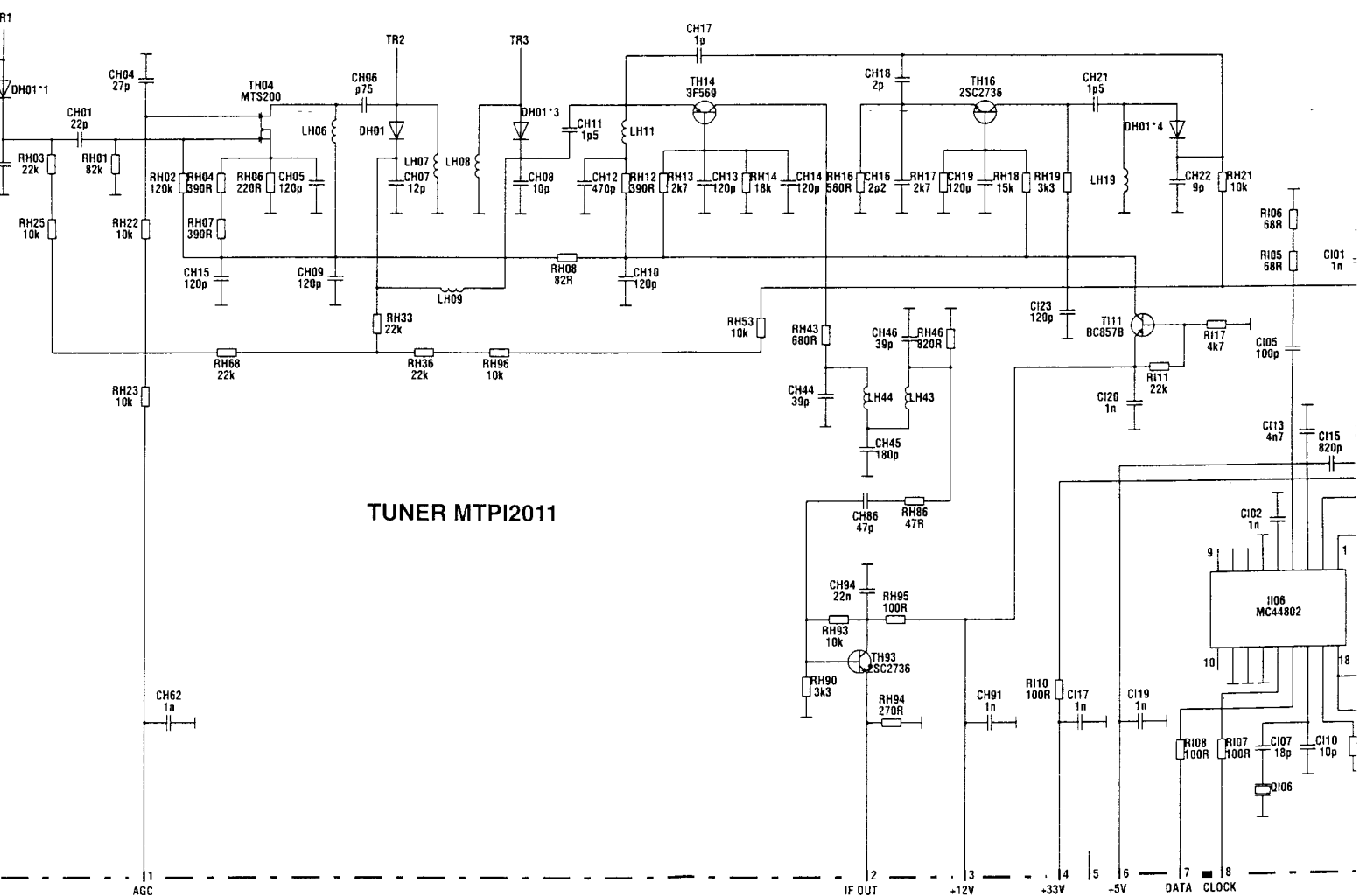
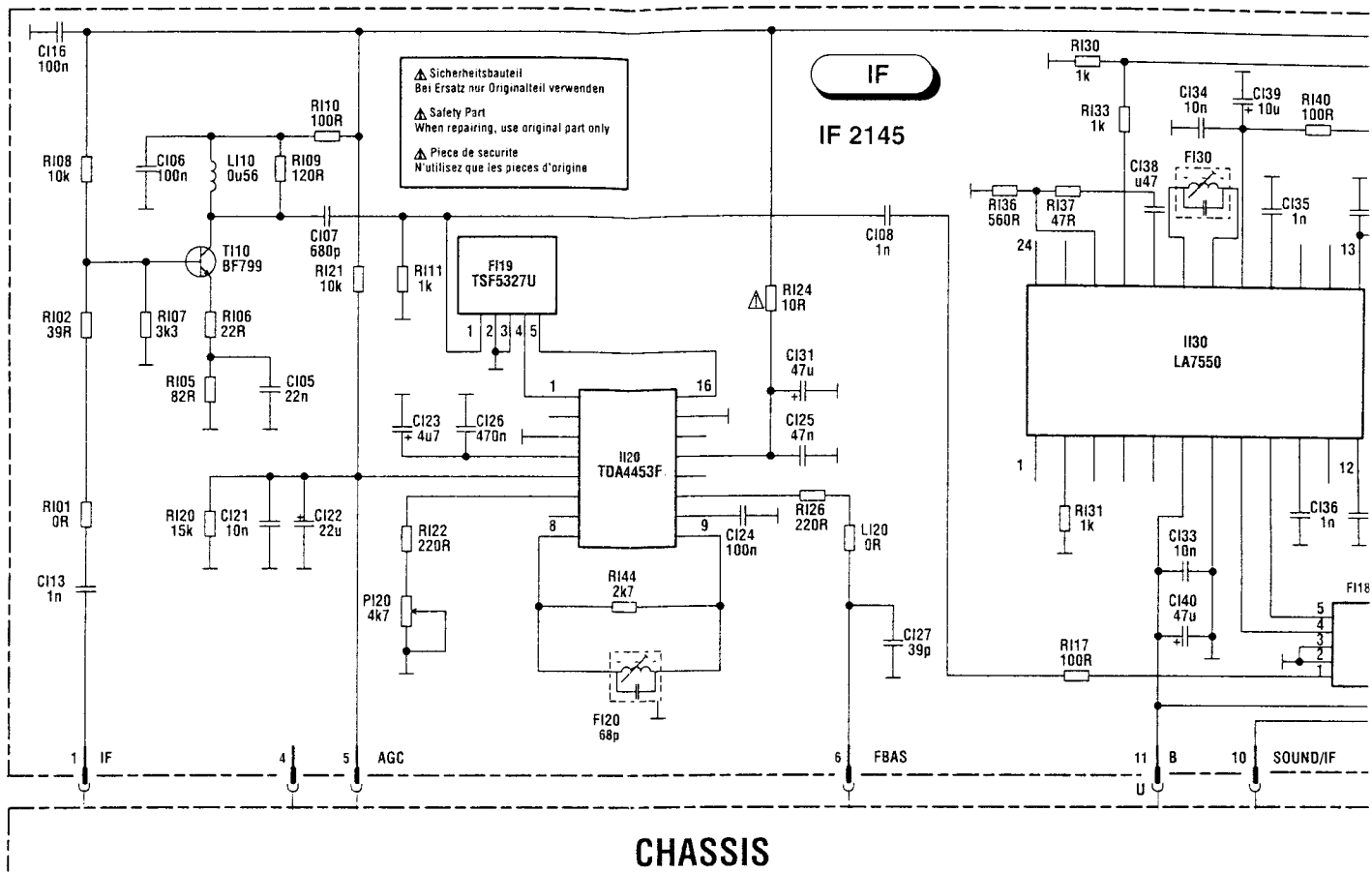
La sostituzione degli elementi di sicurezza (marchi con il segno ⚠) con componenti non omologati secondo la norma CEI 65 comporta la non conformità dell'apparecchio.  
In tal caso è esclusa la responsabilità del costruttore.



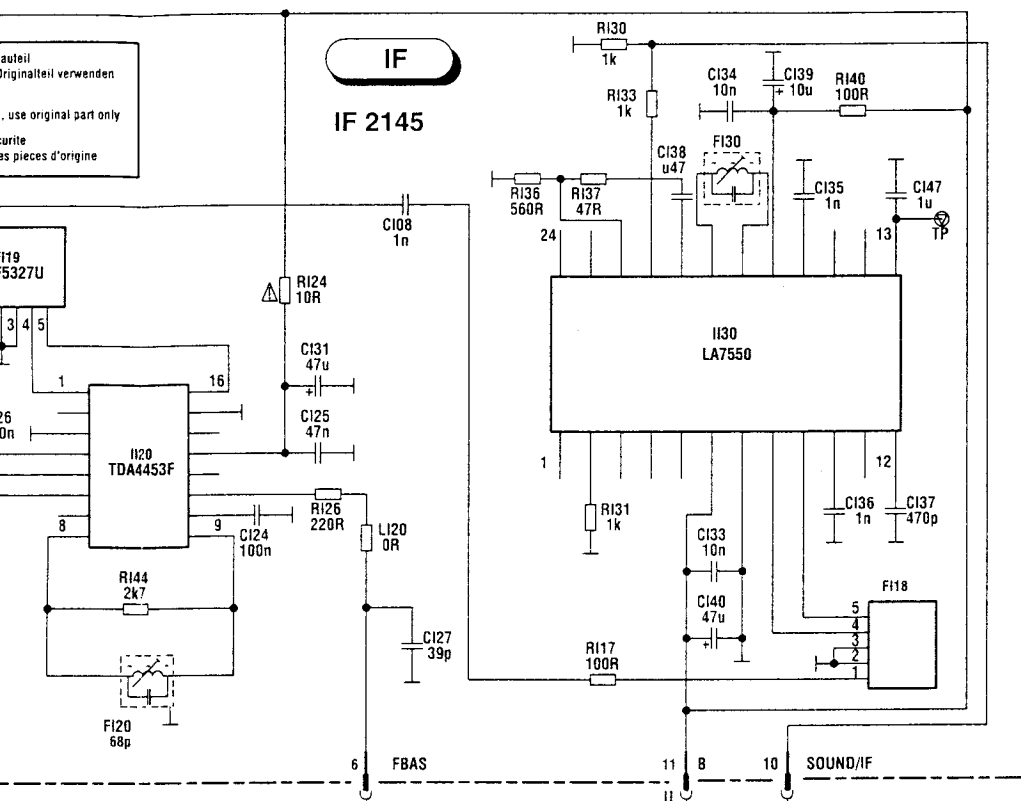




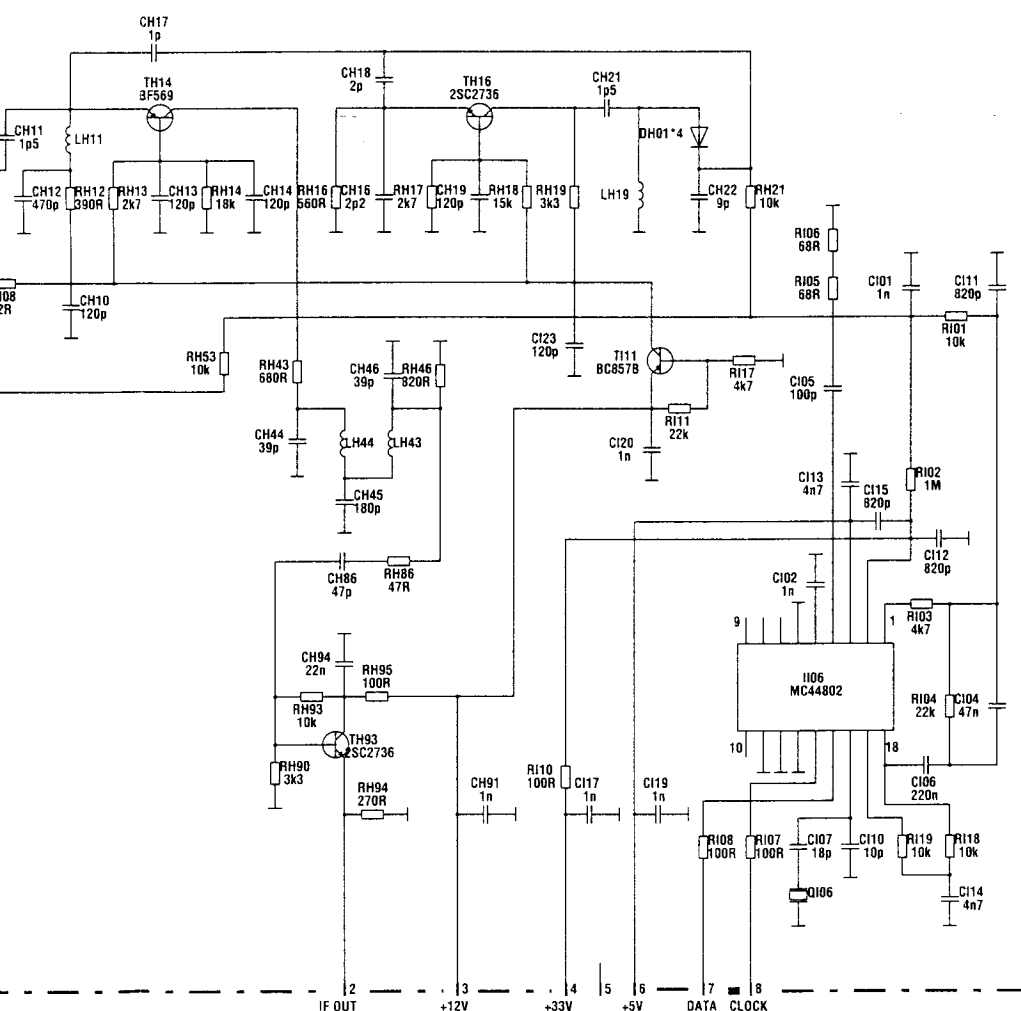




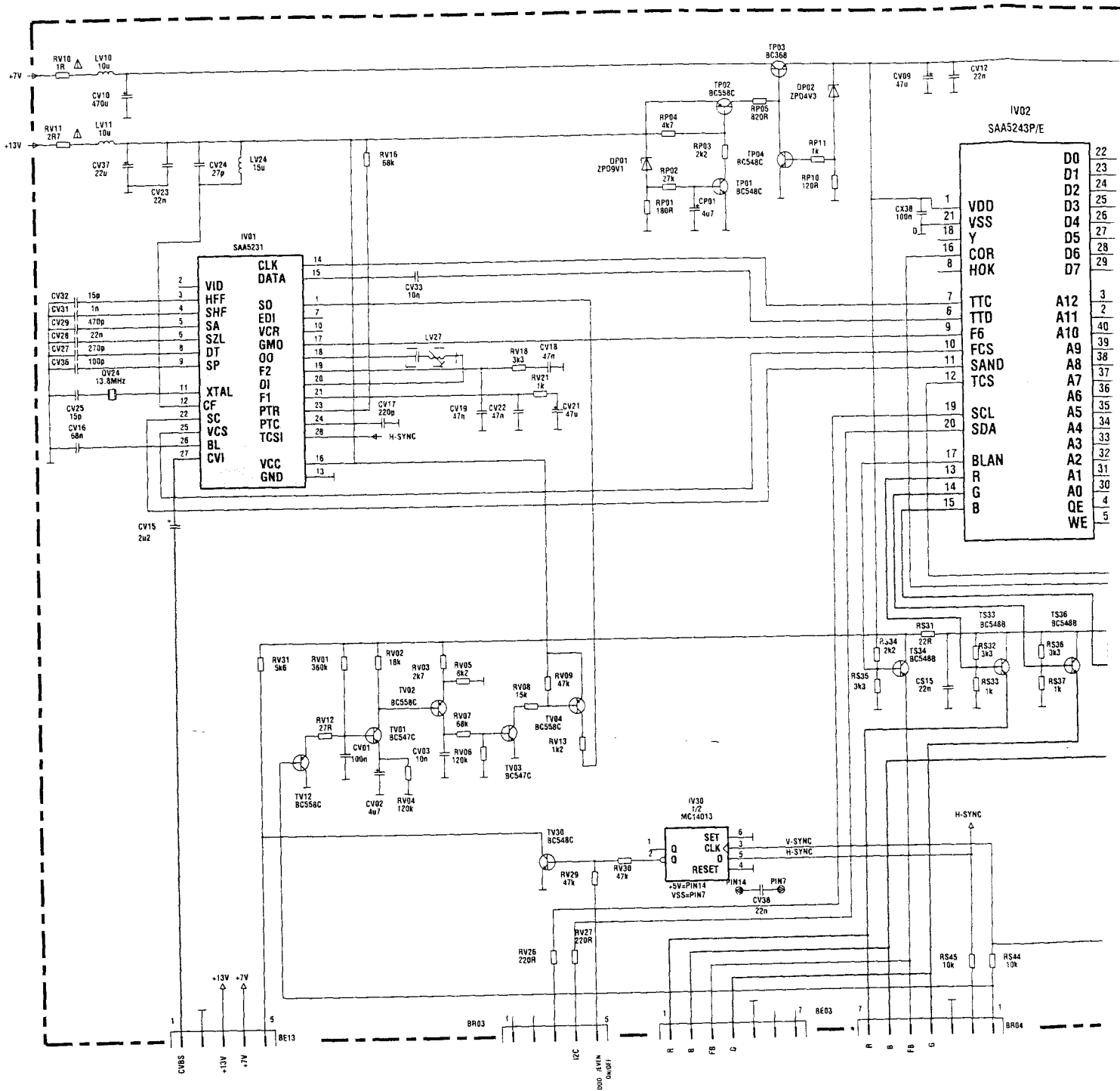
IF 2145

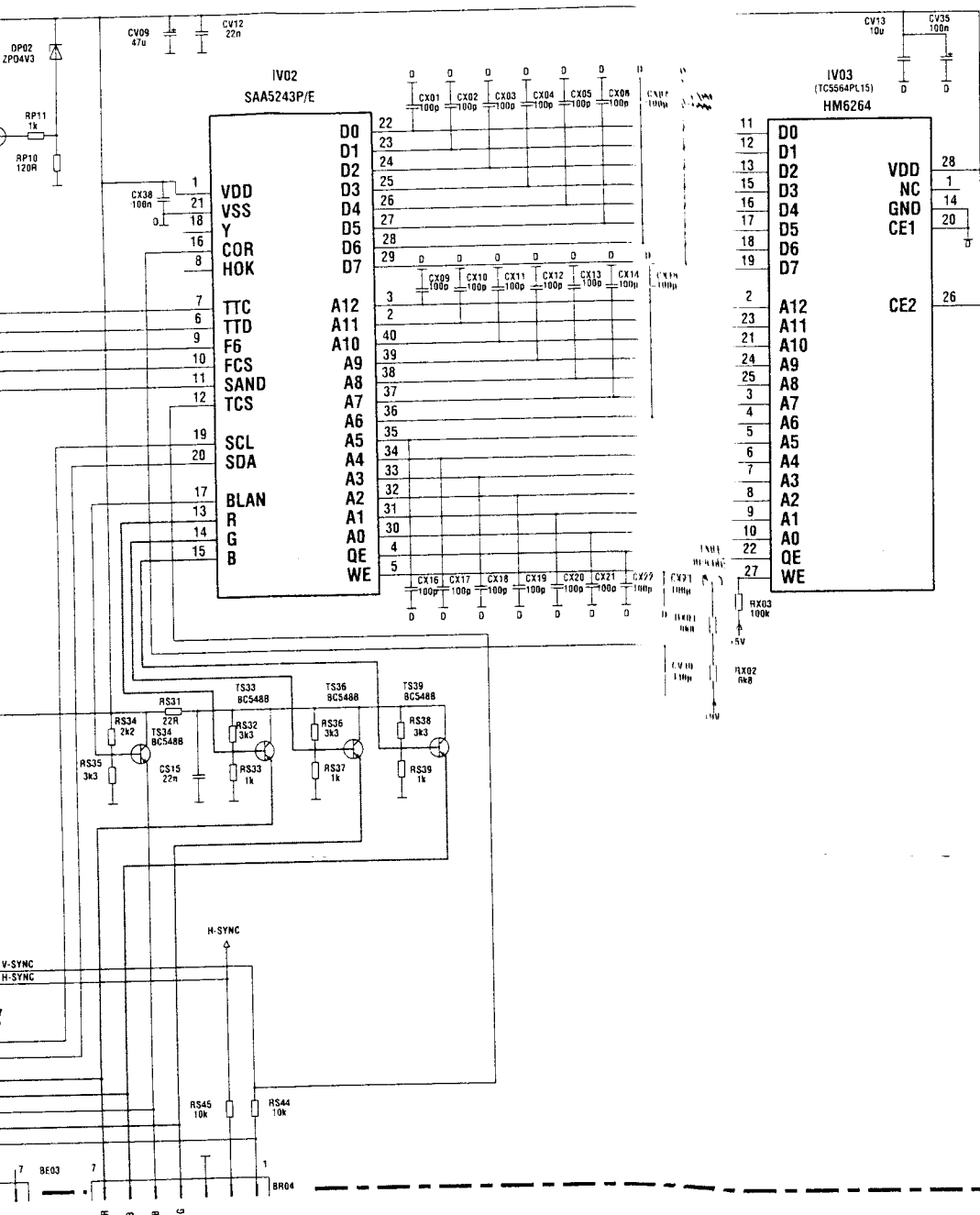


## CHASSIS



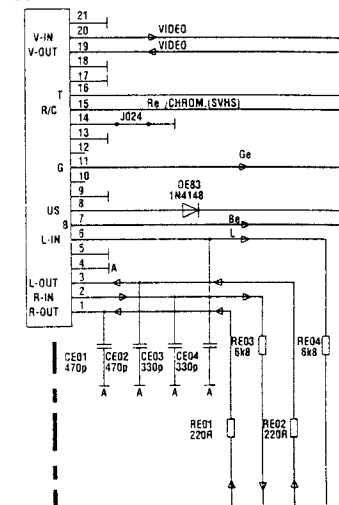




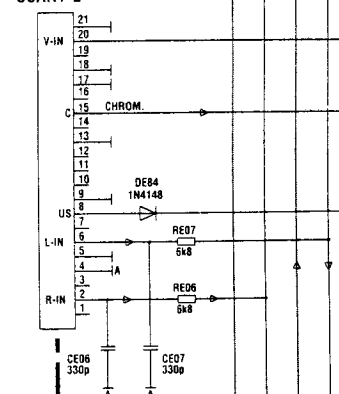


⚠ Sicherheitsbauteil  
Bei Ersatz nur Originalteil verwenden  
⚠ Safety Part  
When replacing, use original part only  
⚠ Pièce de sécurité  
Utiliser que les pièces d'origine

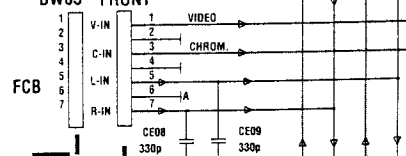
BE04  
SCART-1



BE14  
SCART-2



BW05  
BE01  
FRONT



**LIST OF ABBREVIATIONS USED**  
**LISTE DES ABREVIATIONS**  
**ERKLÄRUNG DER ABKÜRZUNGEN**  
**LISTA DE ABREVIATURAS EMPLEADAS EN LOS ESQUEMAS**  
**ELENCO DELLE ABBREVIAZIONI UTILIZZATE**

**A1:** Low frequency (audio) internal signal  
Signal démodulé (audio)  
Ton NF-Signal  
Segnal de baja frecuencia (sonido) interna  
Segnale a bassa frequenza (audio) interno



**AF:** Low frequency (audio) exterior signal  
Signal basse fréquence audio externe  
Ton NF-Signal  
Segnal de baja frecuencia (sonido) externo  
Segnale a bassa frequenza (audio) esterno

**AF1:** Low frequency (audio) internal signal  
Signal démodulé (audio)  
Ton NF-Signal  
Segnal de baja frecuencia (sonido) interna  
Segnale a bassa frequenza (audio) interno



**AUE:** Exterior audio-visual switching  
Commande de commutation audio-visuel  
extérieur  
Audio/Video-Fremdeingangs-Umschaltung  
Mando de conmutacion audiovisual externo  
Commando di commutazione audiovisuale  
esterno

**AVS:** Scart socket slow switching  
Commande commutation lente prise  
péritélévision  
Langsame Umschaltung Euro-AV-Buschse  
Conmutacion redfred toma peritelevision  
Commutazione lente presa peritelevisione

**B':** Regulation and switching power supply command  
Signal de commande de l'alimentation à  
découpage et régulation  
Stevensignal desSchaltnetzeils und Regulierung  
Senalde mando de la alimentacion ondulator y  
regulacion  
Segnale di comando alimentazione a  
sezionamento e regolazione

**BCL:** Ray current maesurement  
Mesure du courant de faisceaux  
Strahlstrom-Messung  
Medida de corriente de haces  
Misura di corrente di fascio

**BD1:** Intermedia B I.L' frequency switching  
Commutation de la fréquence intermediaire B I.L'  
Umschaltung der ZF des B I.L'  
Conmutacion de la frecuencia B I.L'  
Commutazione frequenza intermedia B I.L'

**CVBS:** Receiver video (internal) - SCI / DVT  
Vidéo du récepteur (interne) - SCI / DVT  
Internes FBAS-Signal - SCI / DVT  
Video del receptor (interna) - SCI / DVT  
Video ricevitore (interno) - SCI / DVT

**CVBS1:** Receiver video (internal) - IF....  
Vidéo du récepteur (interne) - IF....  
Internes FBAS-Signal - IF....  
Video del receptor (interna) - IF....  
Video ricevitore (interno) - IF....

**IF:** Intermedia frequency  
Fréquence intermédiaire  
ZF  
Frecuencia intermedia  
Frequenza intermedia

**- H:** Line return pulse  
Impulsion de retour ligne  
Zeilerucklauf-Impuls  
Impulso de retorno linea  
Impulso di ritorno linea

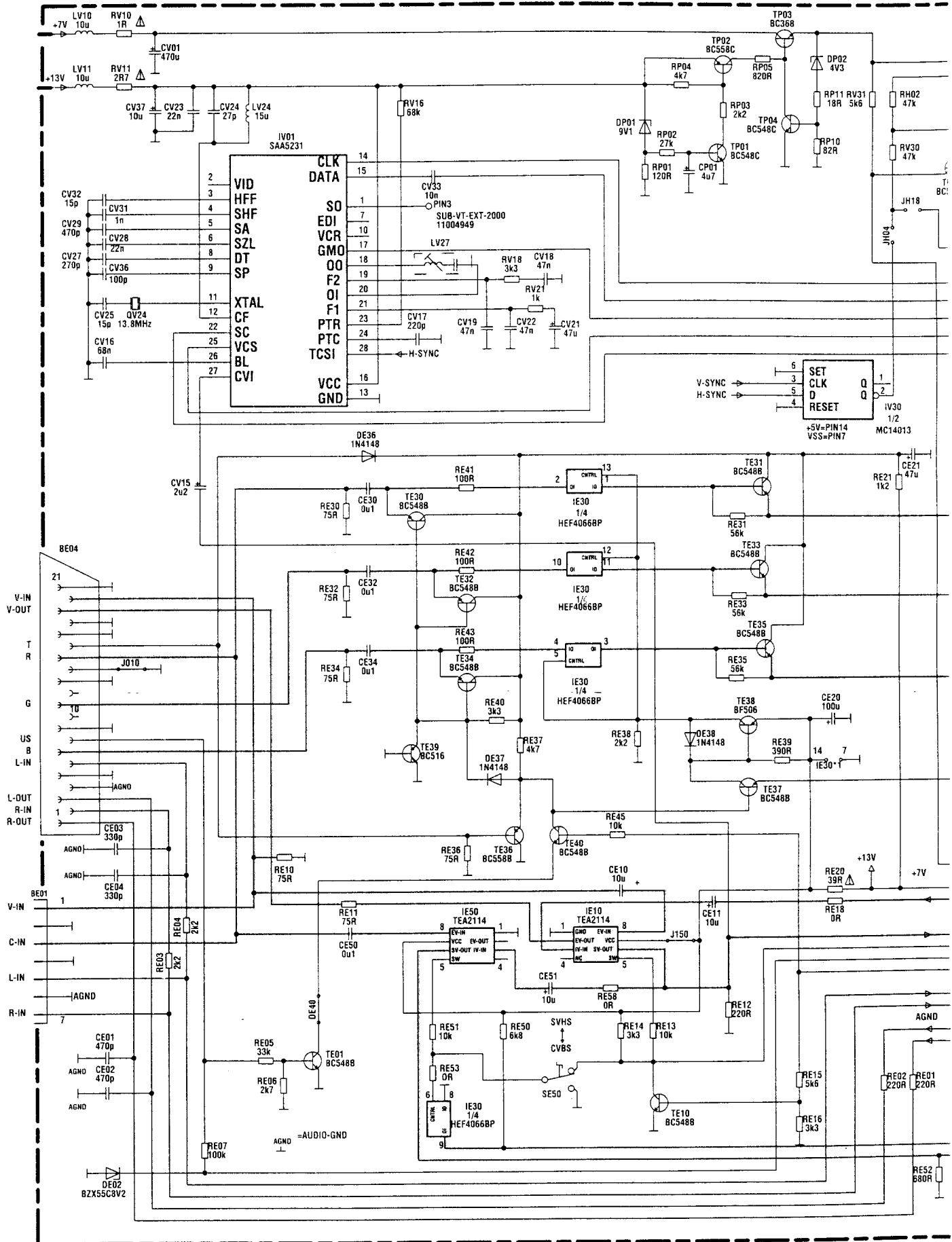
**MUTE:** Mute control and probe stop  
Commânde silencieux son et arrêt de la  
recherche  
Signal der Tonunterdrückung und Suchlauf-Stop  
Mando silenciamiento sonido y parada de  
busqueda  
Commando esclusione audio e interruzione  
ricerca

**P:** IV01 ( TA 8659 N) intergrated circuit supply  
Alimentation du circuit intégré IV01 (TA 8659 N)  
Speispannung des IC- IV01 (TA 8659 N)  
Alimentacio circuito intergrado IV01 (TA 8659 N)  
Alimentazione circuito integrato IV01 (TA 8659 N)

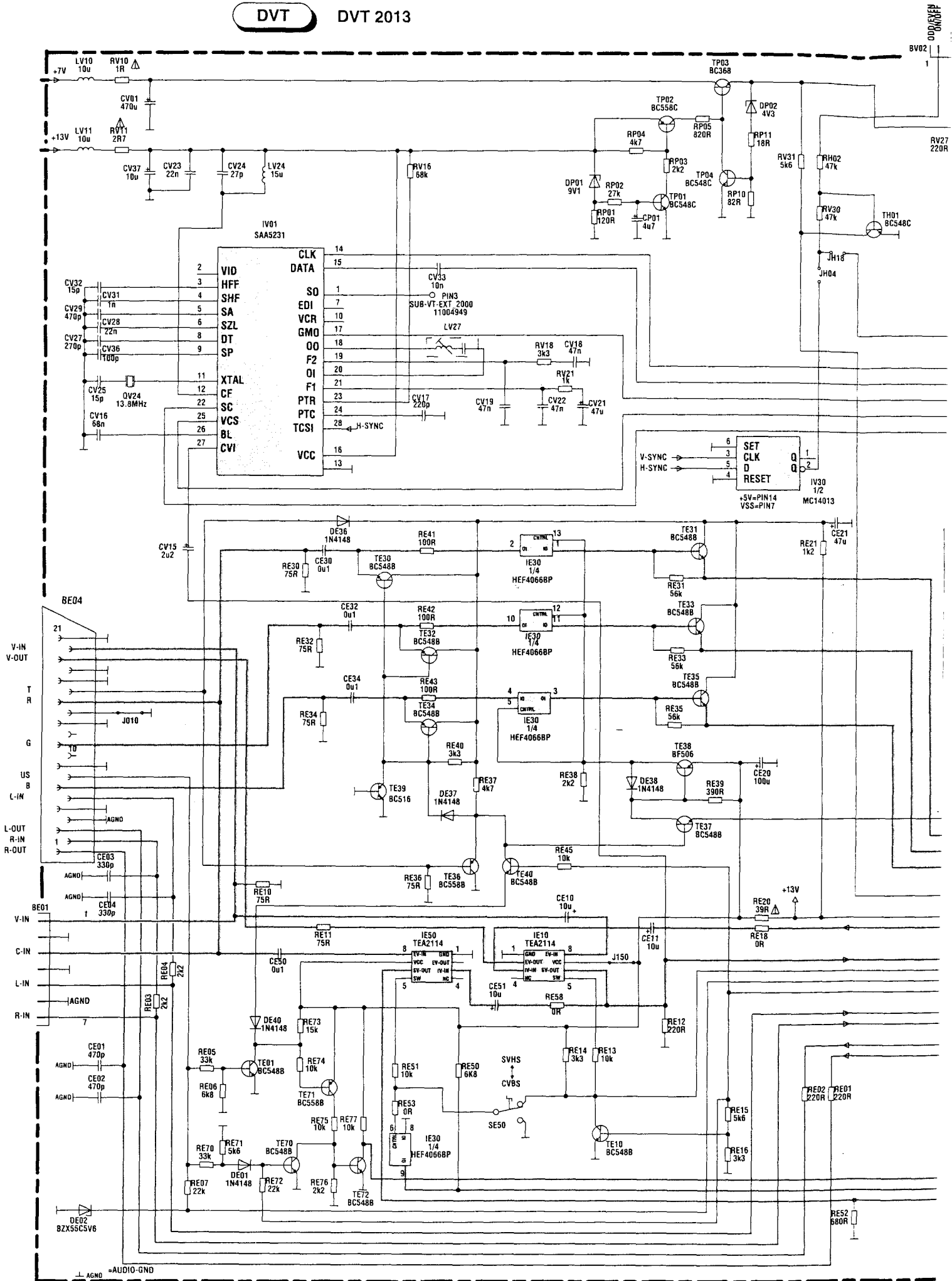
**STD:** Norm switching  
Commutation de normes  
Empfangsnorm-Umschaltung  
Conmutacion de norma  
Commutazione di norma

**- V:** Vertical pulse  
Impulsion verticale  
Vertikal-Impuls  
Impulso verical  
Impulso verticale

**TH:** Line pulse  
Impulsion ligne  
Horizontal-Impuls  
Impulso linea  
Impulso linea



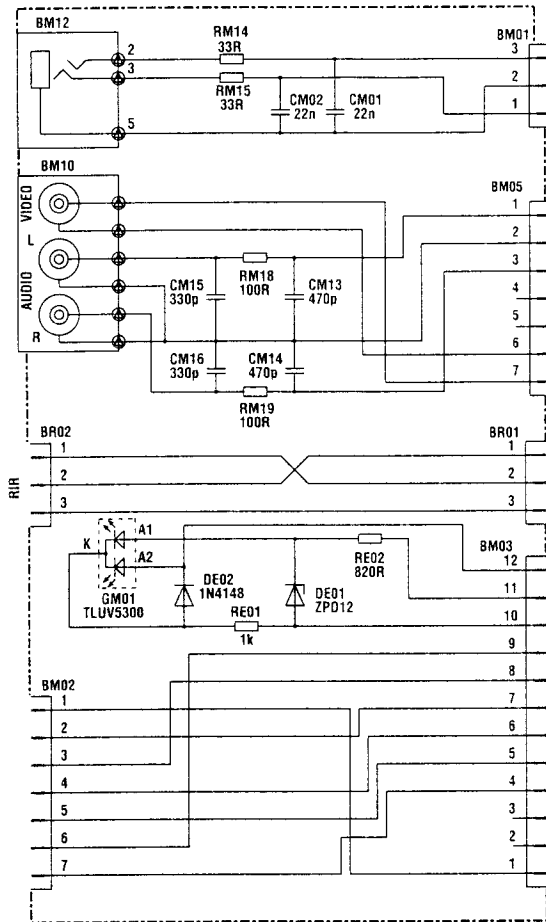






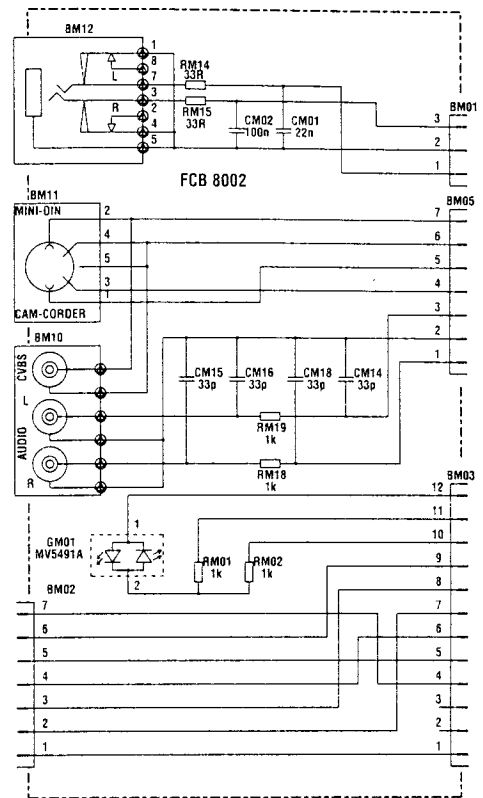
FCB

FCB 8010



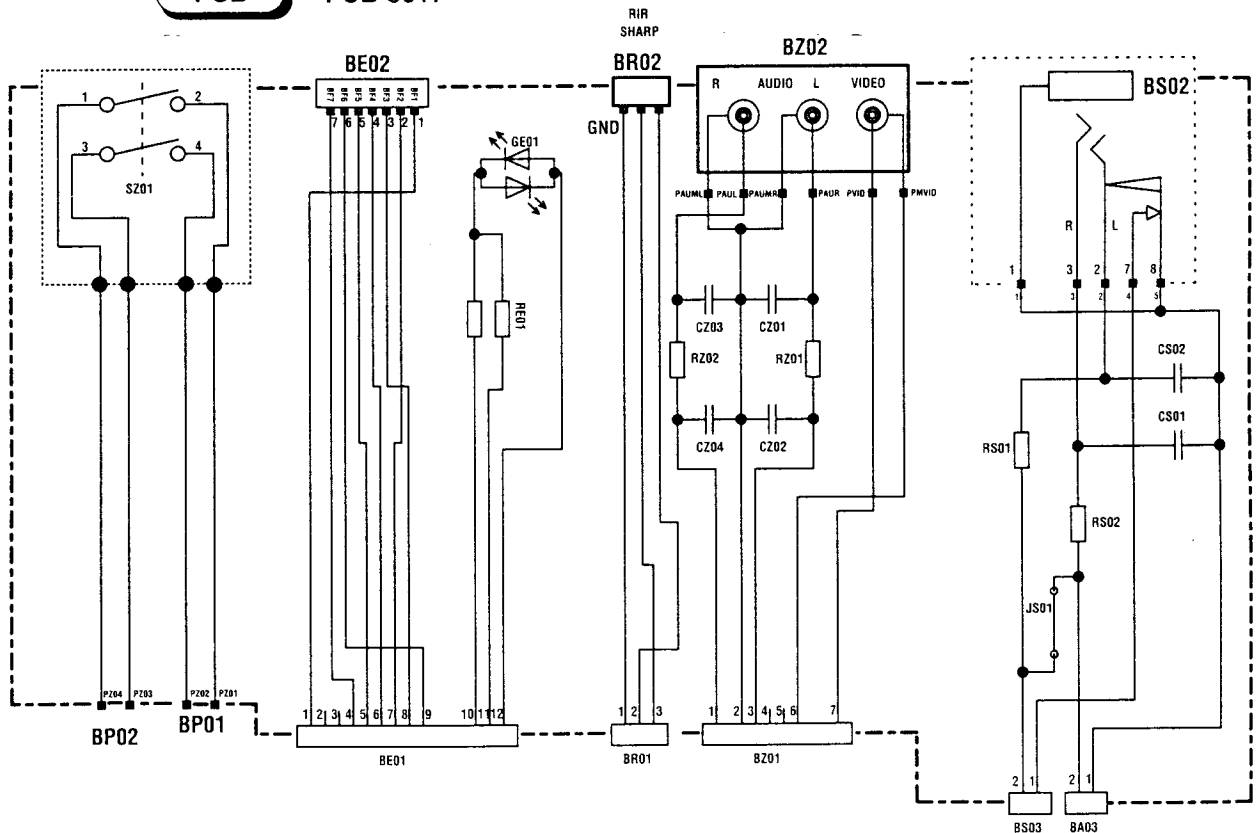
FCB

FCB 8002



FCB

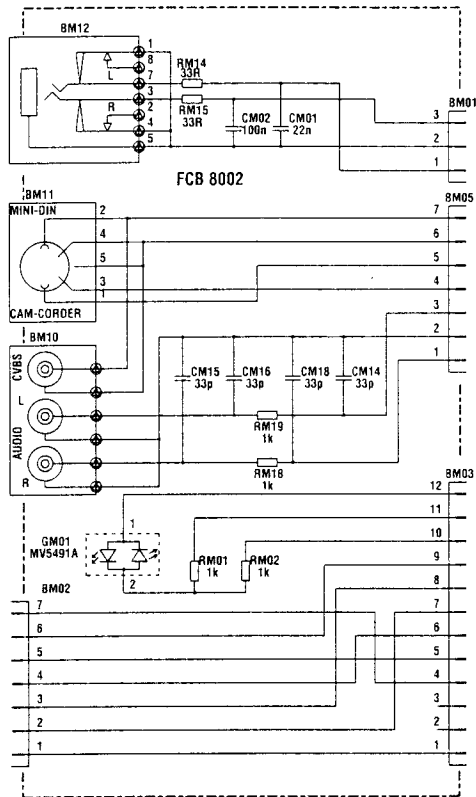
FCB 8017





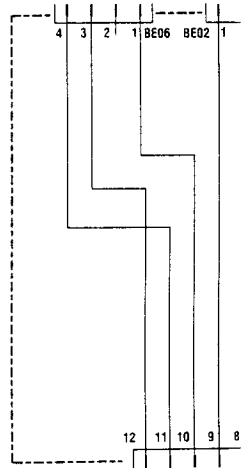
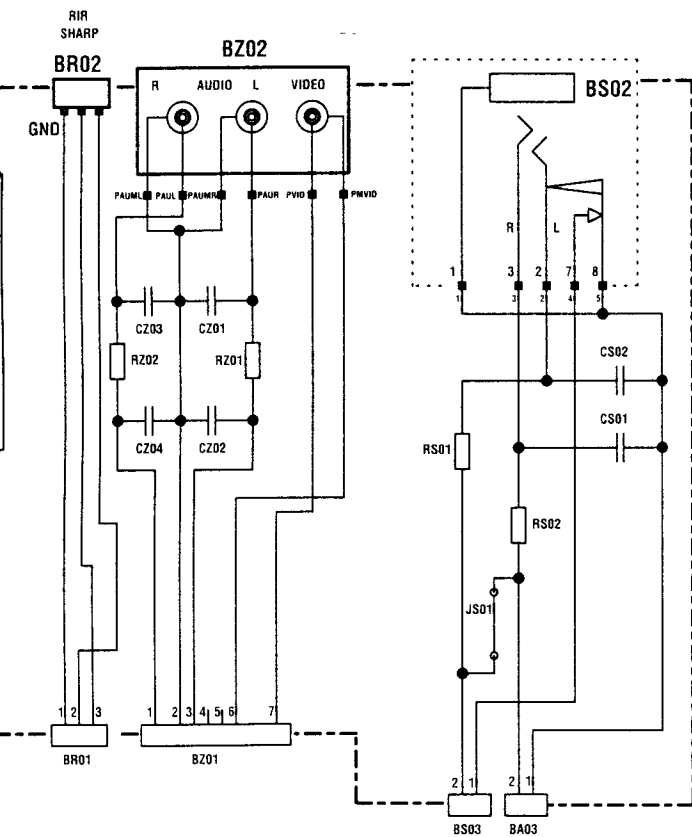
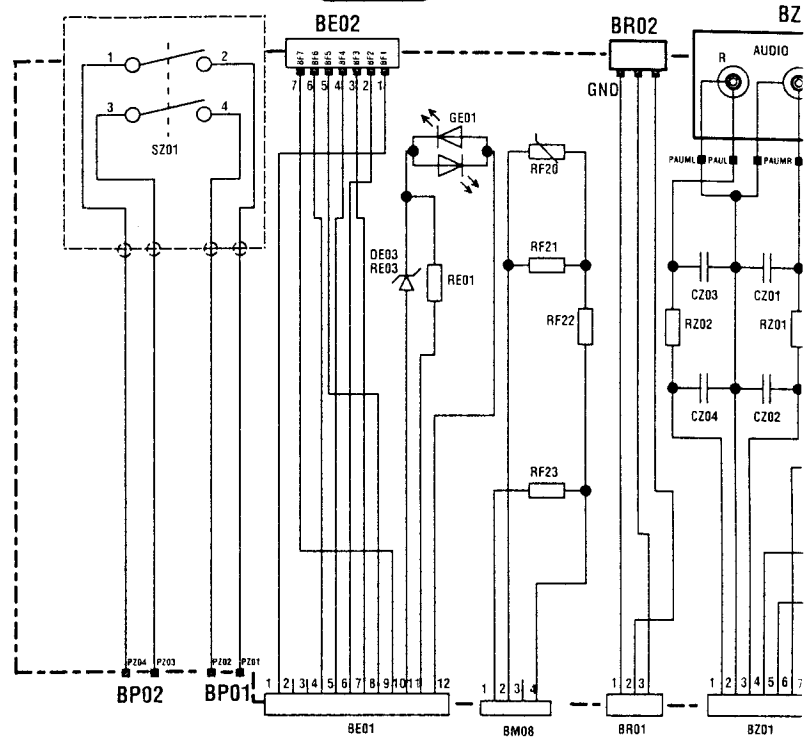
FCB

FCB 8002



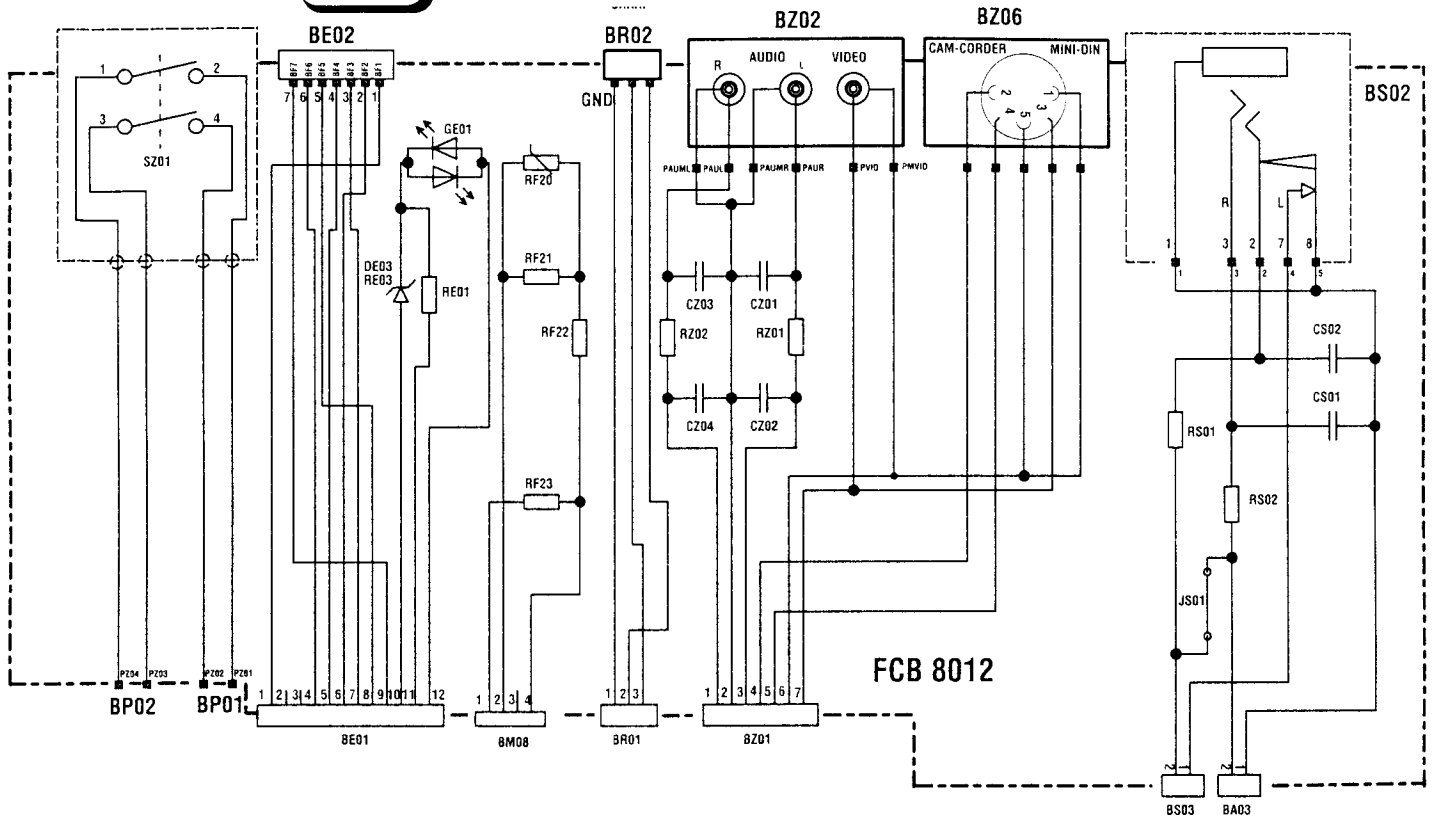
FCB

FCB 8012



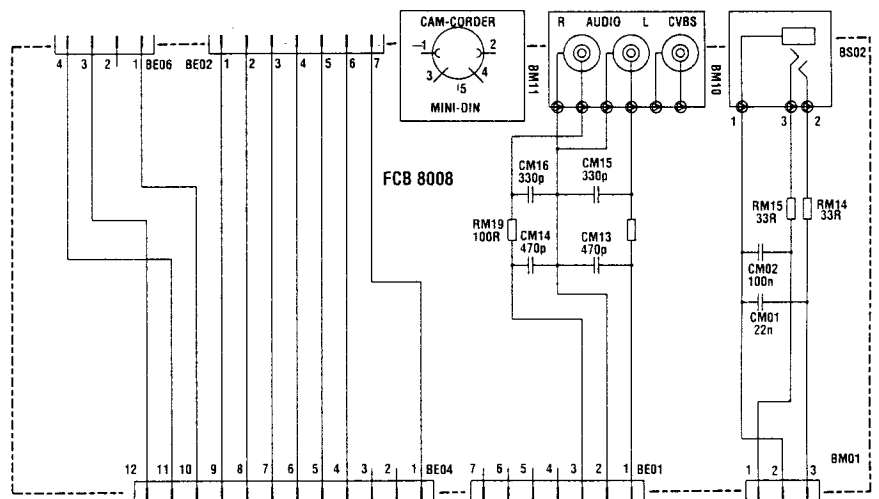
FCB

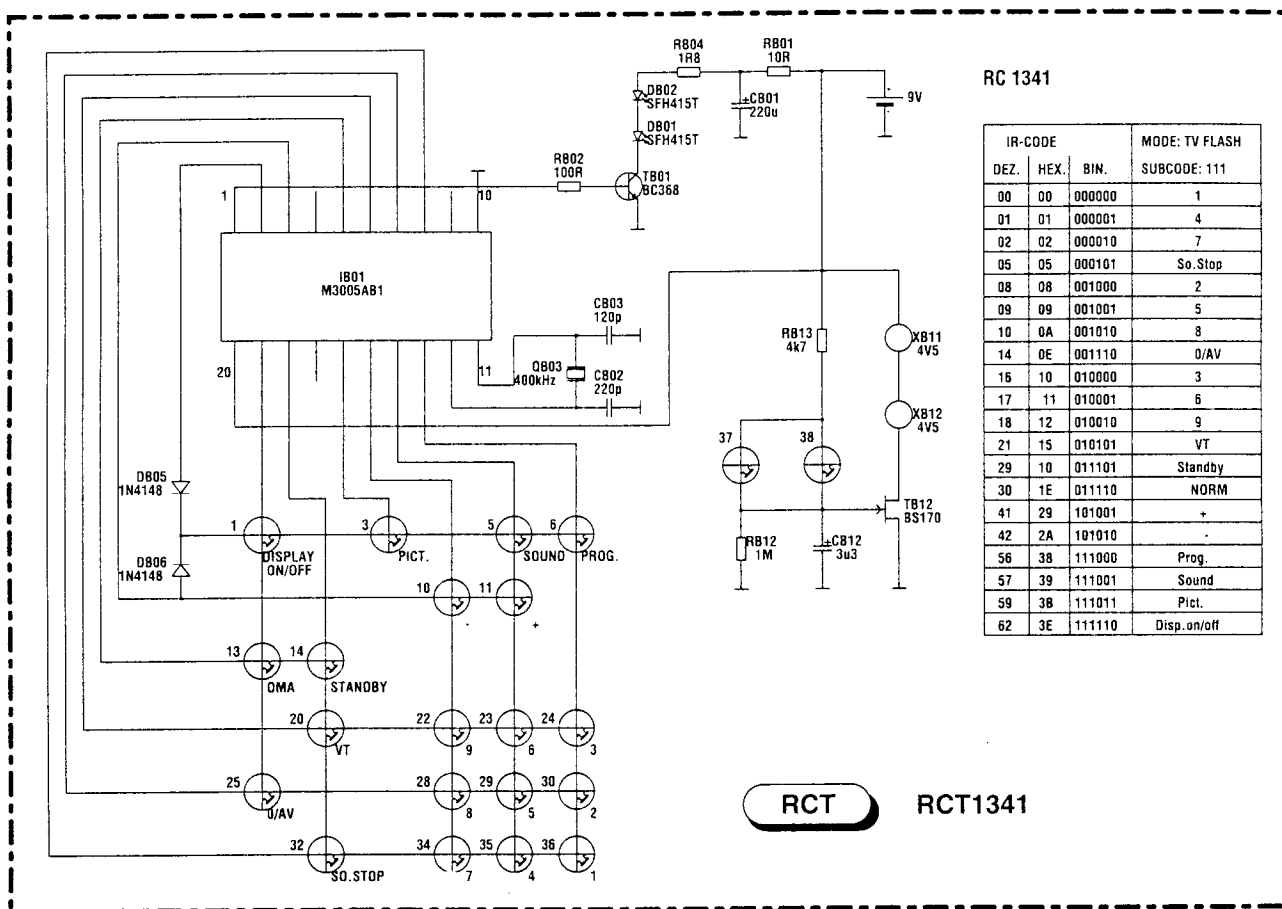
FCB 8012



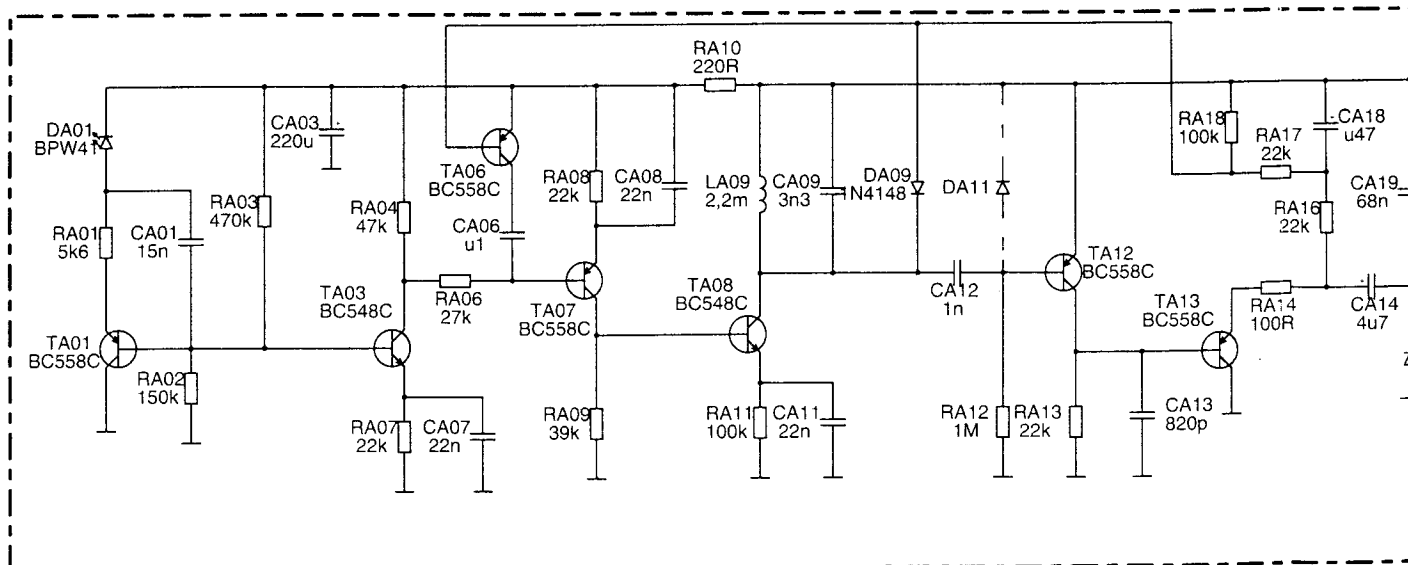
FCB

FCB 8008





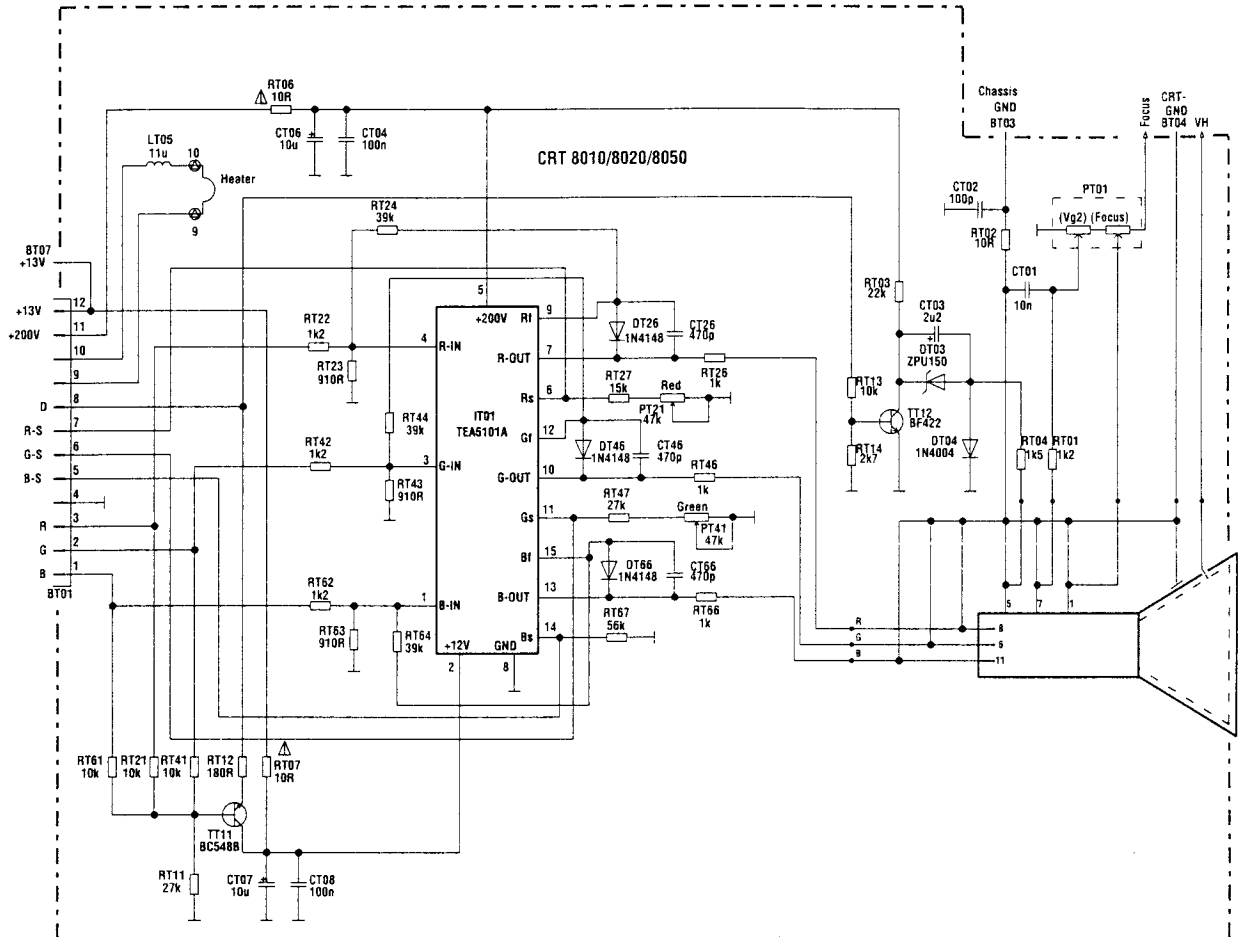
**RIR**      **RIR4000/4008**



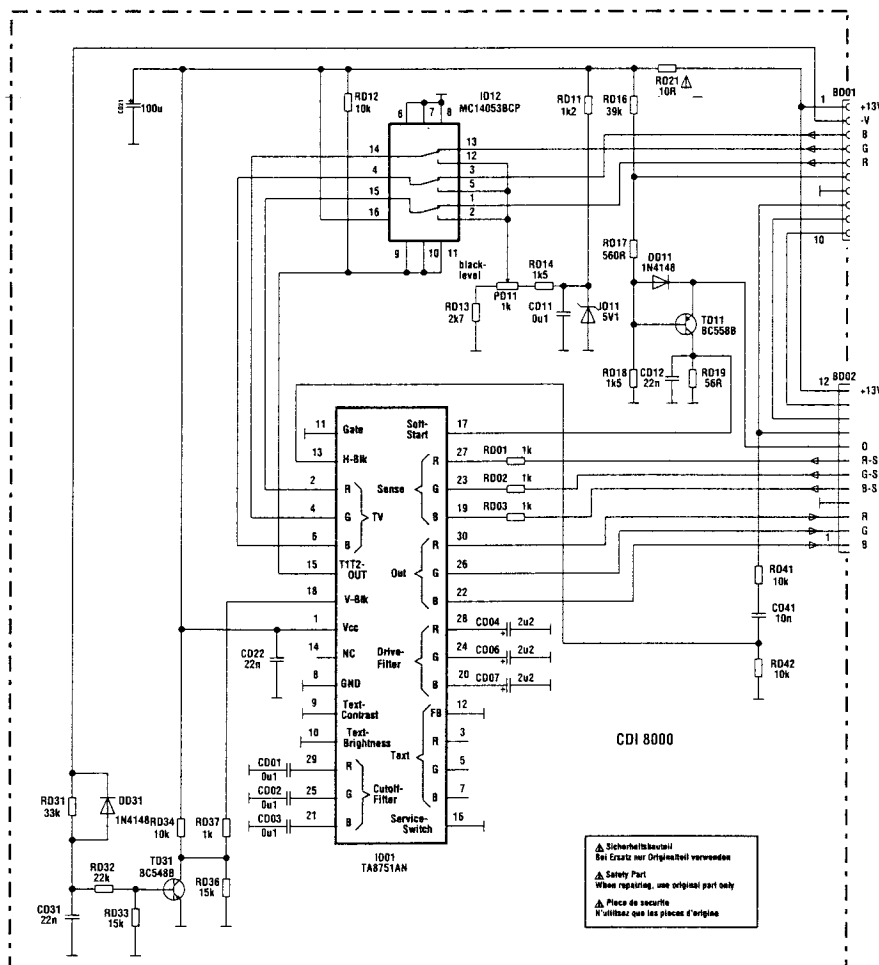
**Legend****Légende****Zeichenerklärung****Leyenda****Leggenda**

	On-Off	Marche-Arrêt	Ein-Aus	Encendido-Apagado	Acceso-Spento
	Stand-by	Attente (veille)	Bereitschaft	Espera	Disponibile
	Brightness	Luminosité	Helligkeit	Luminosidad	Luminosita
	Contrast	Contraste	Kontrast	Contrasto	Contrasto
	Hue	Teinte	Farbton	Tinta	Tinta
	Colour saturation	Saturation couleur	Farbsättigung	Saturación de color	Saturazione di colore
	Medium	Niveau moyen	Mittelwert	Nivel medio	Livello medio
	Automatic tuning	Recherche automatique	Automatischer Suchlaut	Búsqueda automática	Ricerca automatica
<b>CH</b>	Channel call	Appel canal	Kanalabruf	Llamada canal	Chiamata canale
	Stereo / Mono	Stéréo / Mono	Stereo / Mono	Estereo / Mono	Stereo / Mono
	Fine tuning	Accord fin	Feinabstimmung	Sintonización fina	Sintonizzazione fine
	Output	Sortie d'un signal	Ausgang	Salida de señal	Uscita di segnale
	Input	Entrée d'un signal	Eingang	Entrada de señal	Ingresso di segnale
	Scart socket	Prise peritélevision	Peri-TV Scart Buchse	Eurotoma	Presa peritelevisione
	Horizontal synchronization	Synchronisation horizontale	Horizontal synchronisation	Sincronización horizontal	Sincronizzazione orizzontale
	Vertical synchronization	Synchronisation verticale	Vertikal synchronisation	Sincronización vertical	Sincronizzazione verticale
	Horizontal picture shift	Cadrage horizontal	Bildlage horizontal	Cuadraje horizontal	Correzione orizzontale
	Vertical picture shift	Cadrage vertical	Bildlage vertikal	Cuadraje vertical	Correzione verticale
	Horizontal linearity	Linéarité horizontale	Horizontal Linearität	Linealidad horizontal	Linearita orizzontale
	Vertical linearity	Linéarité verticale	Vertikal Linearität	Linealidad vertical	Linearita verticale
	Picture width	Amplitude horizontale	Bildbreite	Amplitud horizontal	Ampiezza orizzontale
	Picture height	Amplitude verticale	Bildhöhe	Amplitud vertical	Ampiezza verticale
	Focus	Concentration	Fokus	Focus	Focus
	East West Pincushion	Coussin Est-Ouest	Ost-West Kissen	Cojín Este-Oeste	Cuscino Est-Ovest
	East West Pincushion Distortion amplitude	Amplitude coussin Est-Ouest	Bild breite Ost-West Kissen	Amplitud cojín Este-Oeste	Ampiezza cuscino Est-Ovest
	East West trapezium	Trapèze Est-Ouest	Ost-West Trapez	Trapezio Este-Oeste	Trapezio Est-Ovest
	Colour bars	Mire de barres	Farbbalken	Carta de barras	Mira di barre
	Video	Vidéo	Fernsehen	Video	Video
	Sound	Son	Ton	Sonido	Suono
	Connection bus	Bus de liaison	Anschluß Bus	Bus de enlace	Via di collegamento
	Signal departure	Départ d'un signal	Signal Quelle	Salida de señal	Partenza di un segnale
	Signal arrival	Arrivée d'un signal	Signal Eingang	Llegada de señal	Arrivo di un segnale
	Oscilloscope	Oscilloscope	Oszilloskop	Oscilloscopio	scilloscopio
	Discriminator demodulator	Discriminateur démodulateur	Diskriminator demodulator	Discriminador demodulador	Discriminatore demodulatore
	Converter	Convertisseur	Umformer	Convertidor	Convertitore
	Phase changer	Changeur de phase (déphaseur)	Phasenweiche	Cambiador de fase	Sfasatore
	Limit threshold device	Dispositif à seuil limiteur	Begrenzer	Dispositivo de umbral limitador	Dispositivo a soglia limitatore
	Oscillator	Oscillateur	Oszillator	Oscilador	Oscillatore
	Phase comparator	Compareur de phase	Phasen Vergleich	Comparador de fase	Comparatore di fase
	Signal producer	Générateur	Generator	Generador	Generatore
	Coincidence detector	Détecteur à coïncidence	Koinzidenzdetektor	Detector de coincidencia	Rivelatore di coincidenza
<b>CC</b>	Cable channel	Réseau câblé	Kabelkanäle	Canal por cable	Rete via cavo

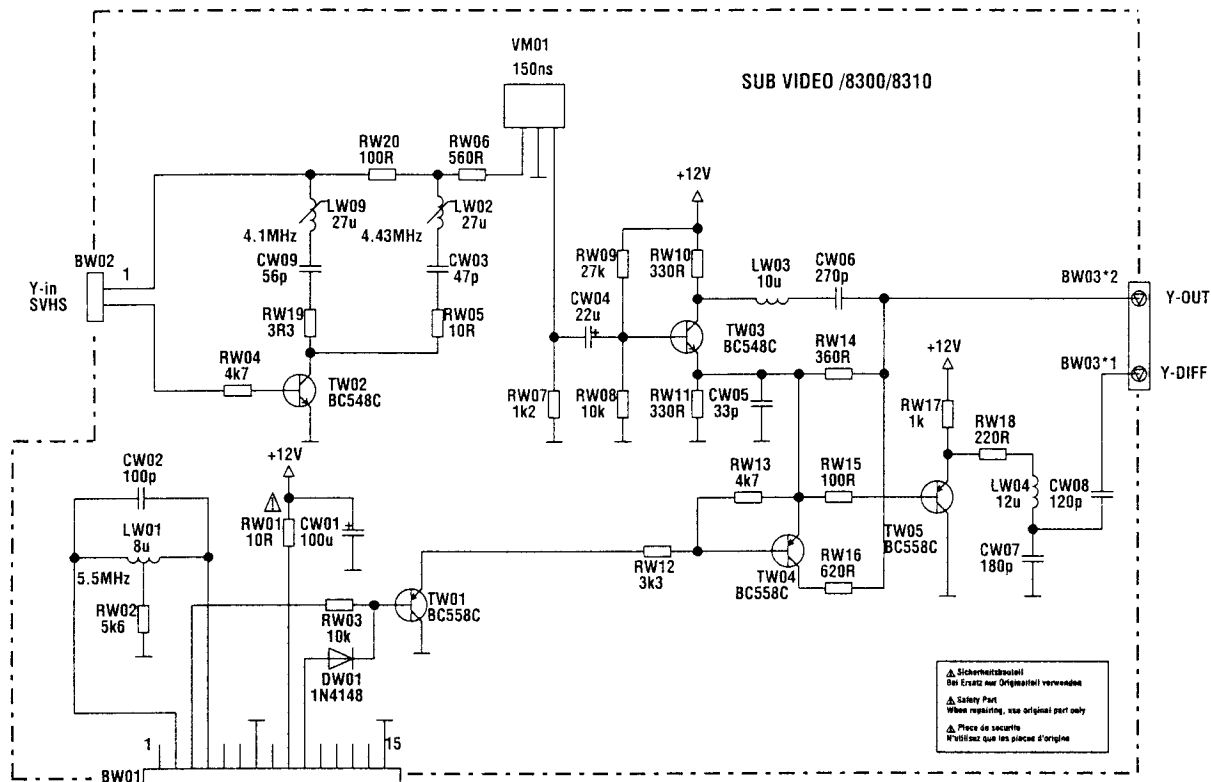
# CRT8010/8020/8050



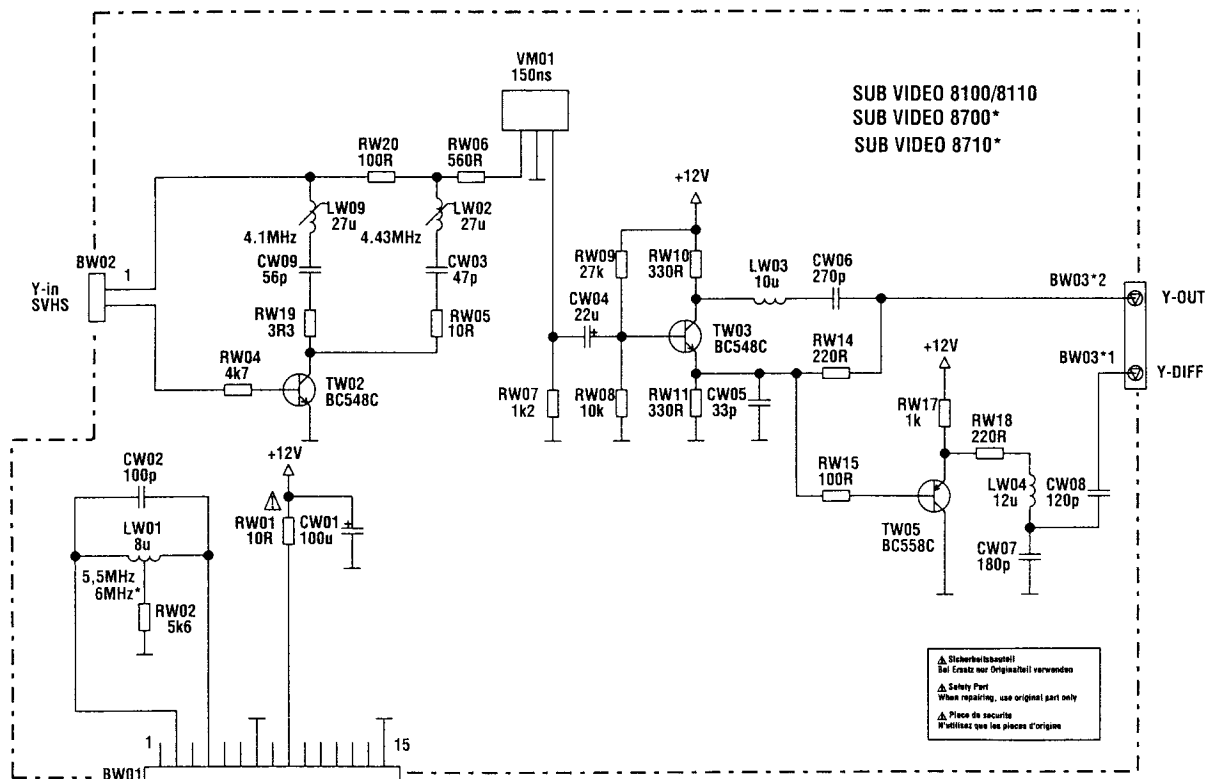
# CDI8000

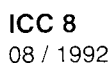


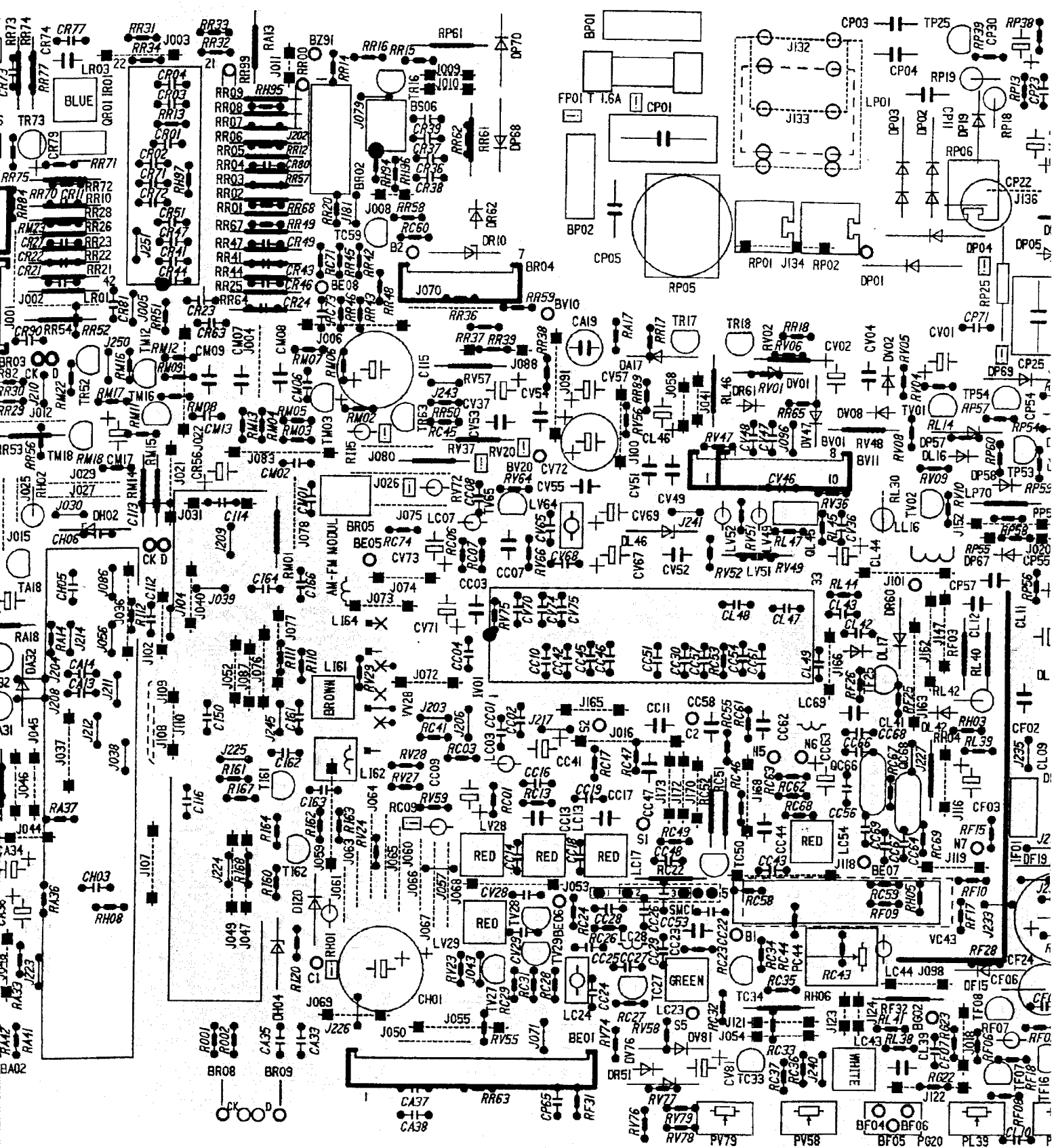
**SUB VIDEO 8300/8310**



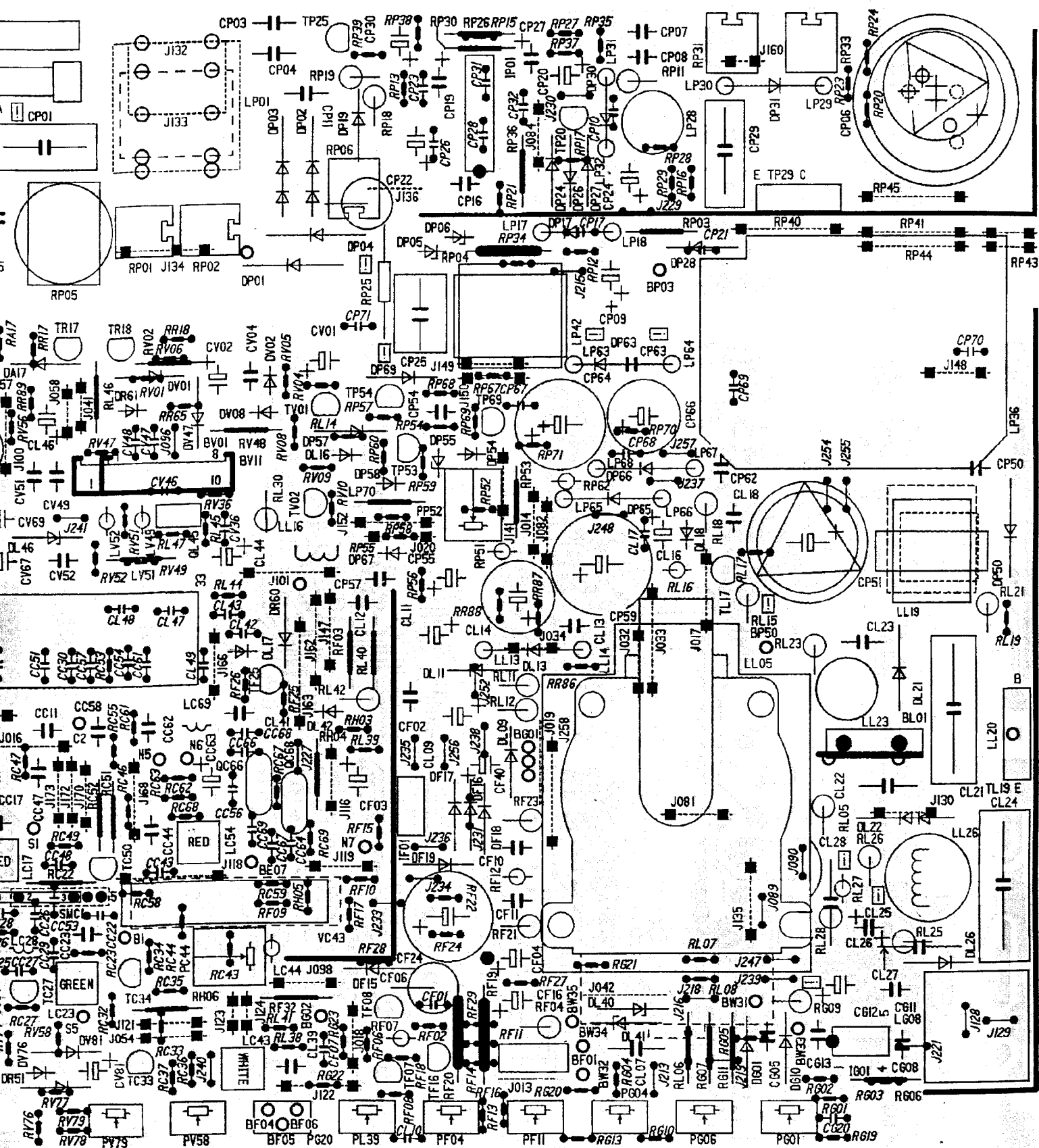
**SUB VIDEO 8100/8110/8700\*/8710\***

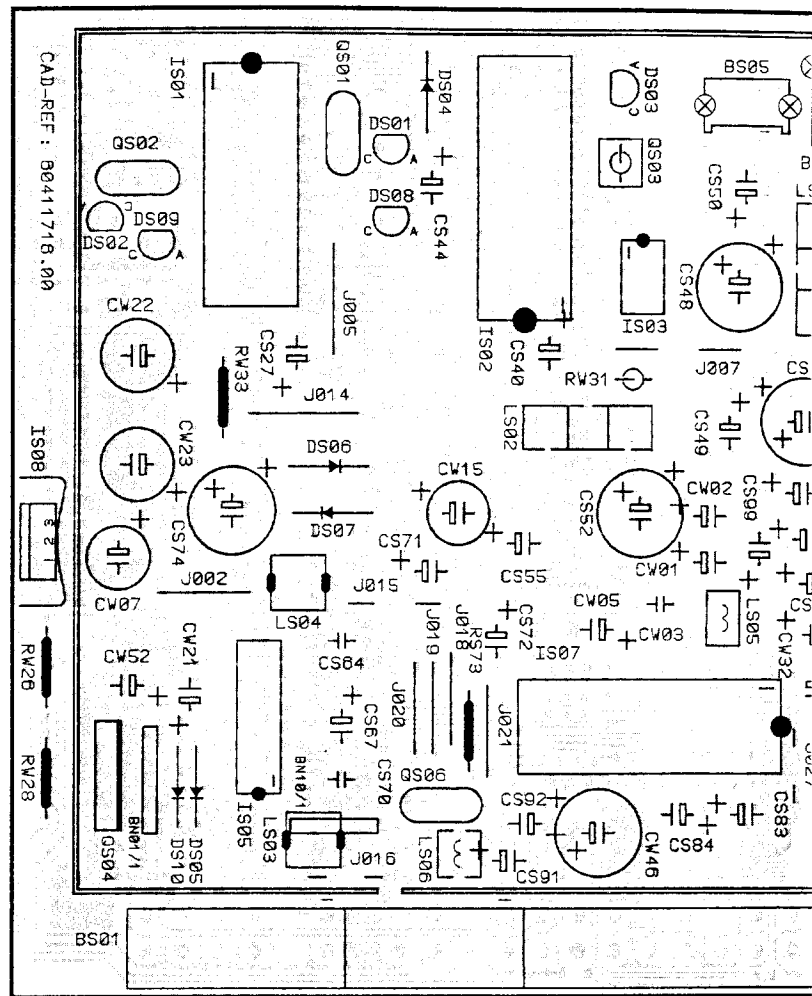
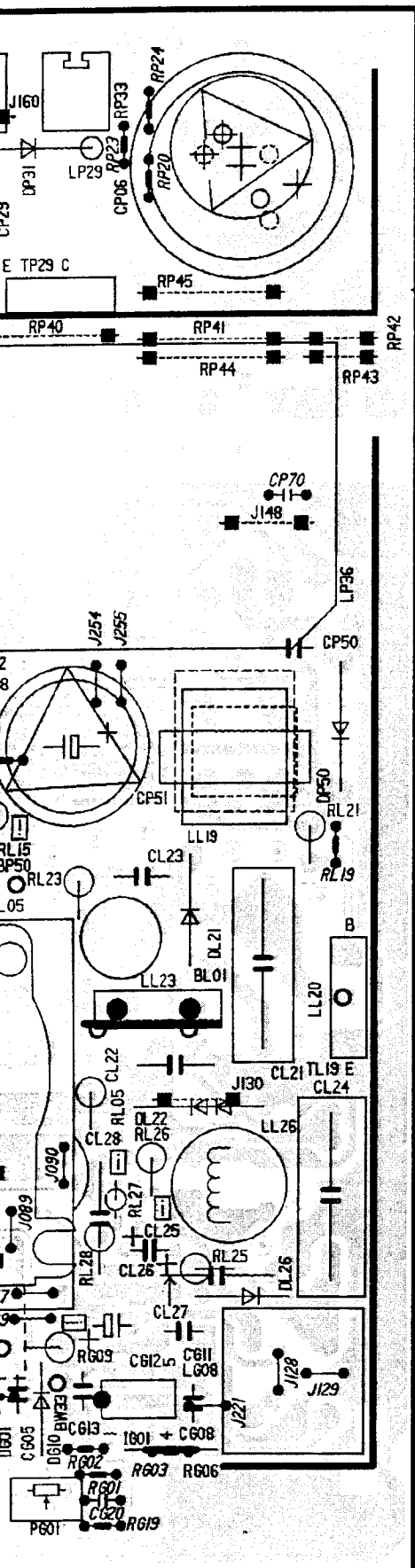




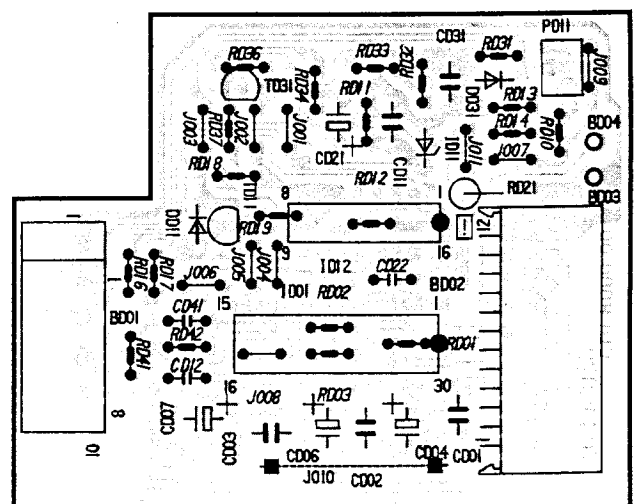


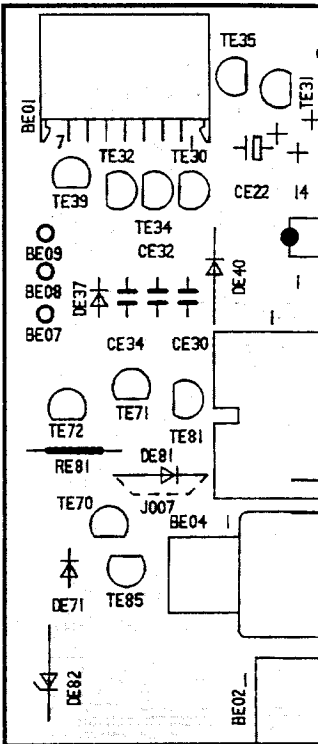
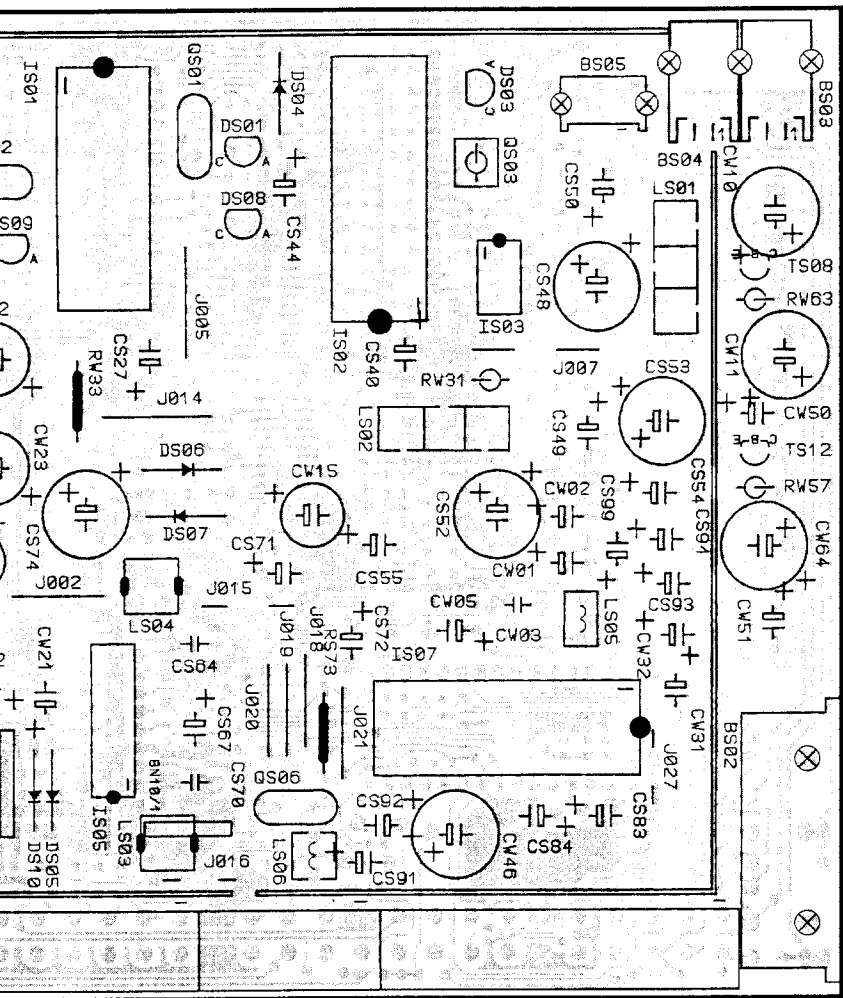




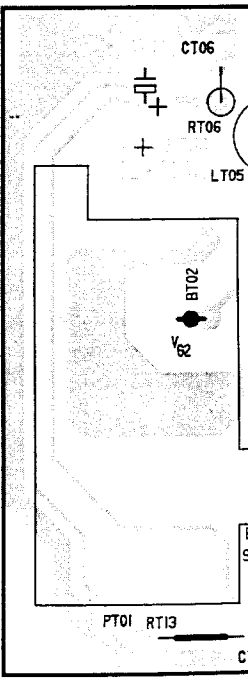
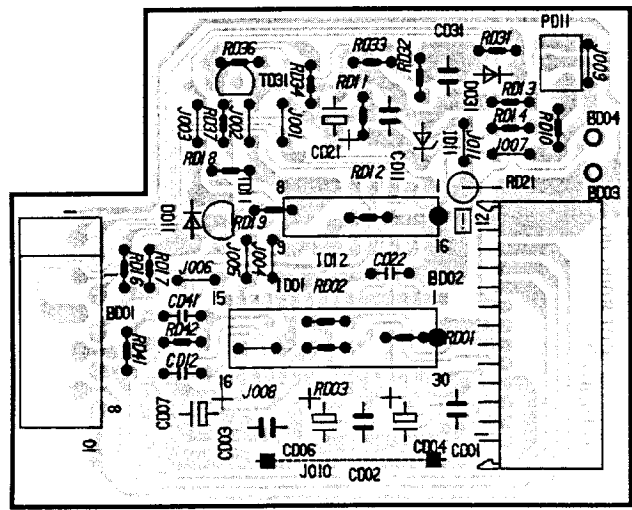


CDI 8000

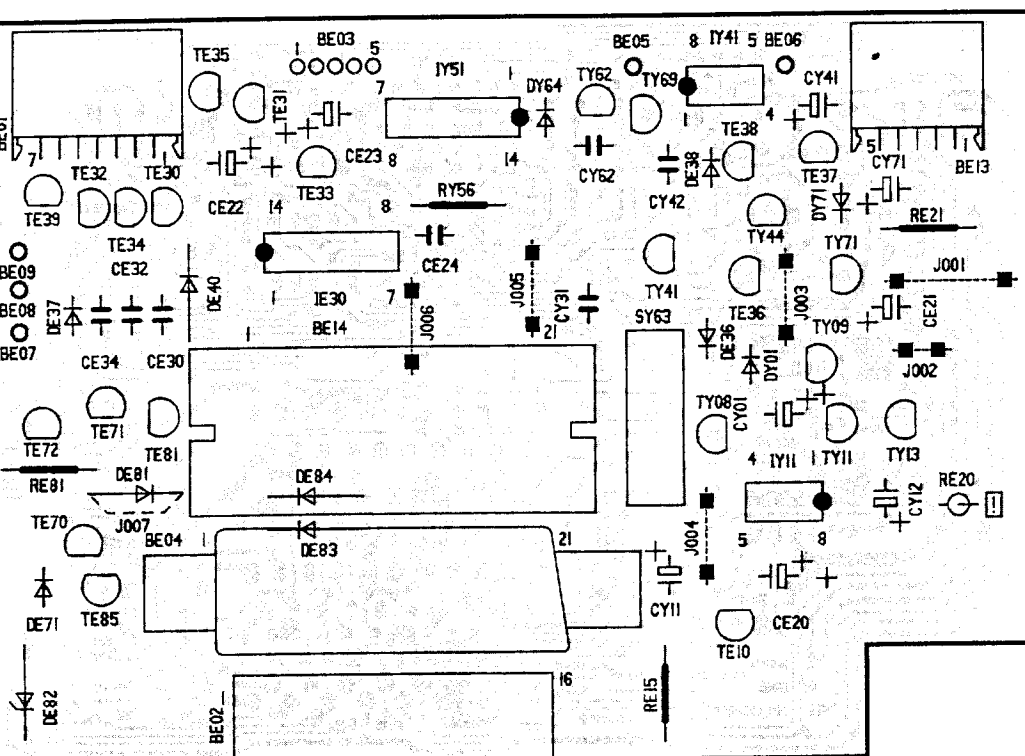




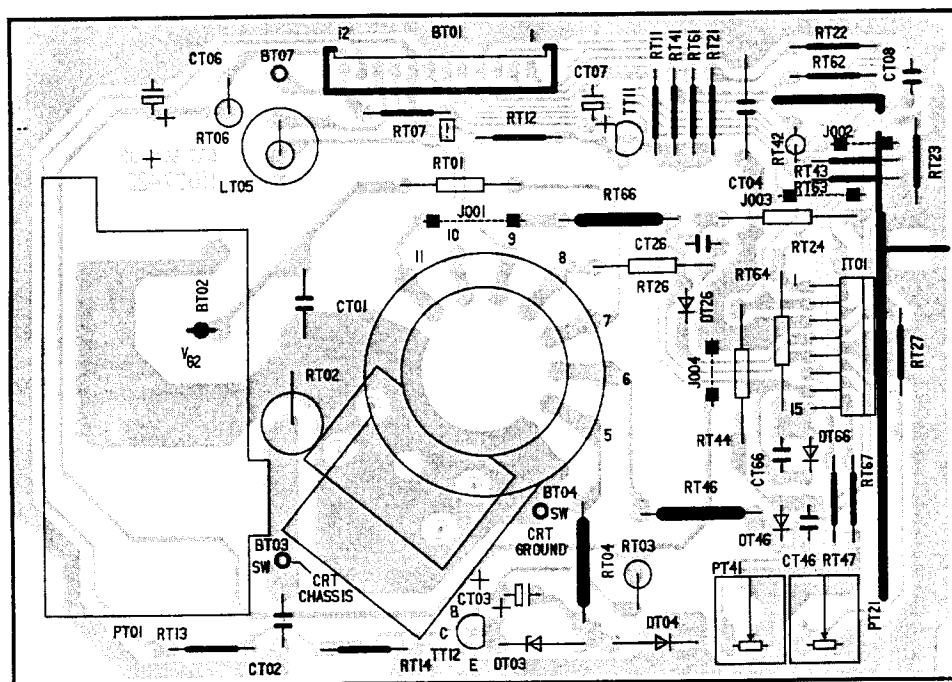
CDI 8000



# SCI7040



## CRT 8010/8020/8050

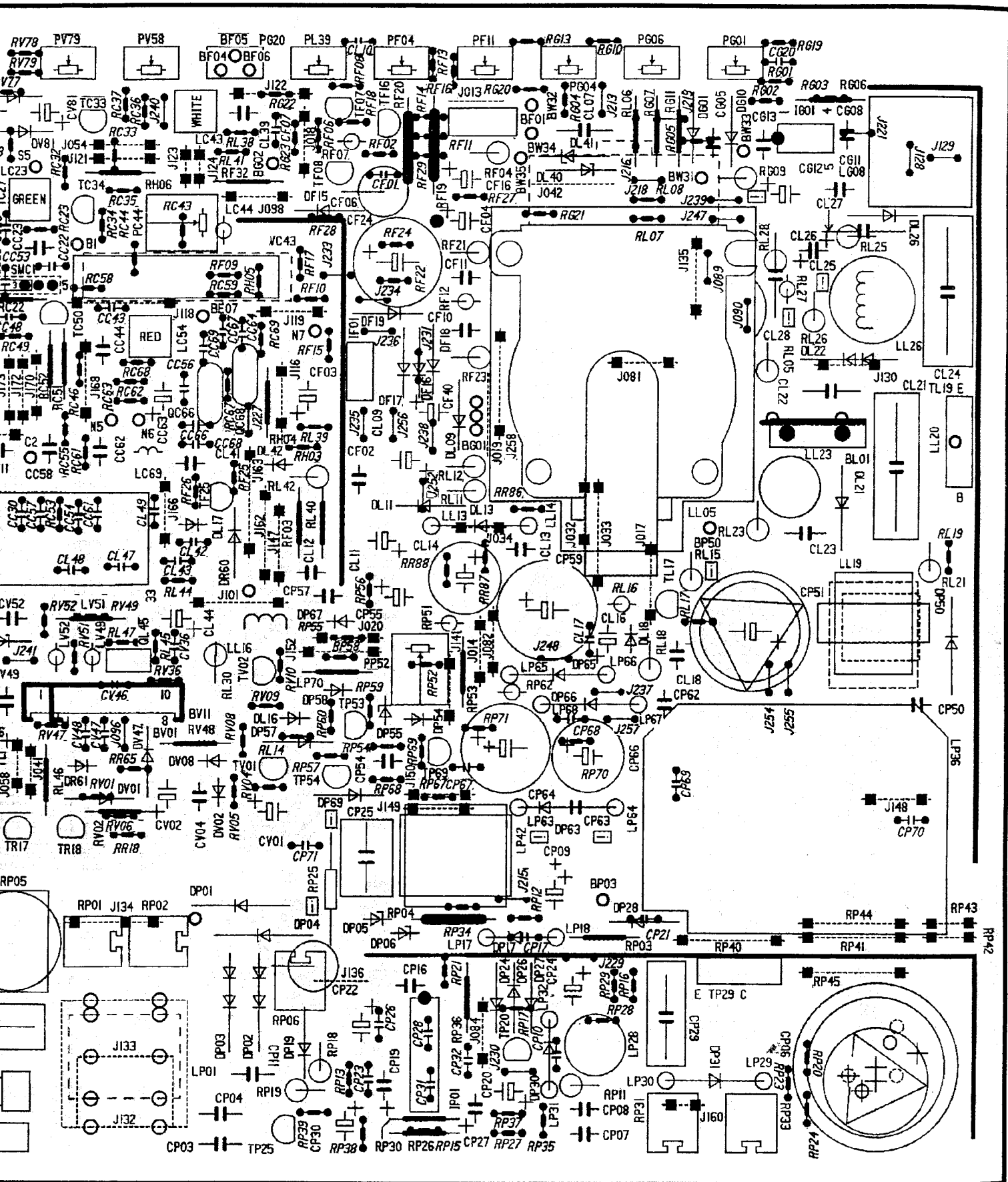


# I - TECHNICAL DATA AND COMPOSITION OF RECEIVERS

COMMON TECHNICAL DATA : Selection of 60 programs HF and 1 audiovisual by IR remote control

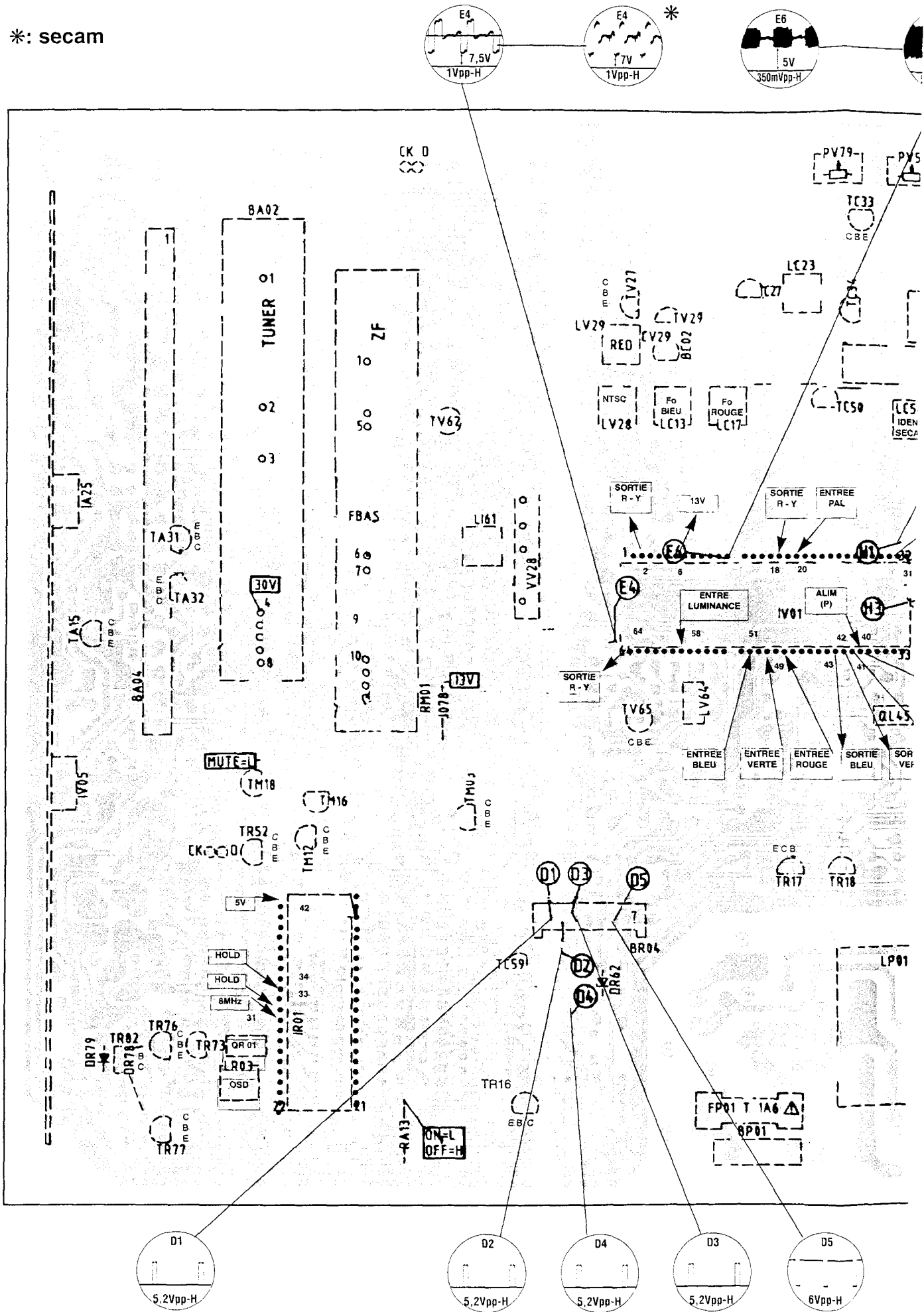
O.S.D. : - for channel programming and identification  
for levels of Customer control settings

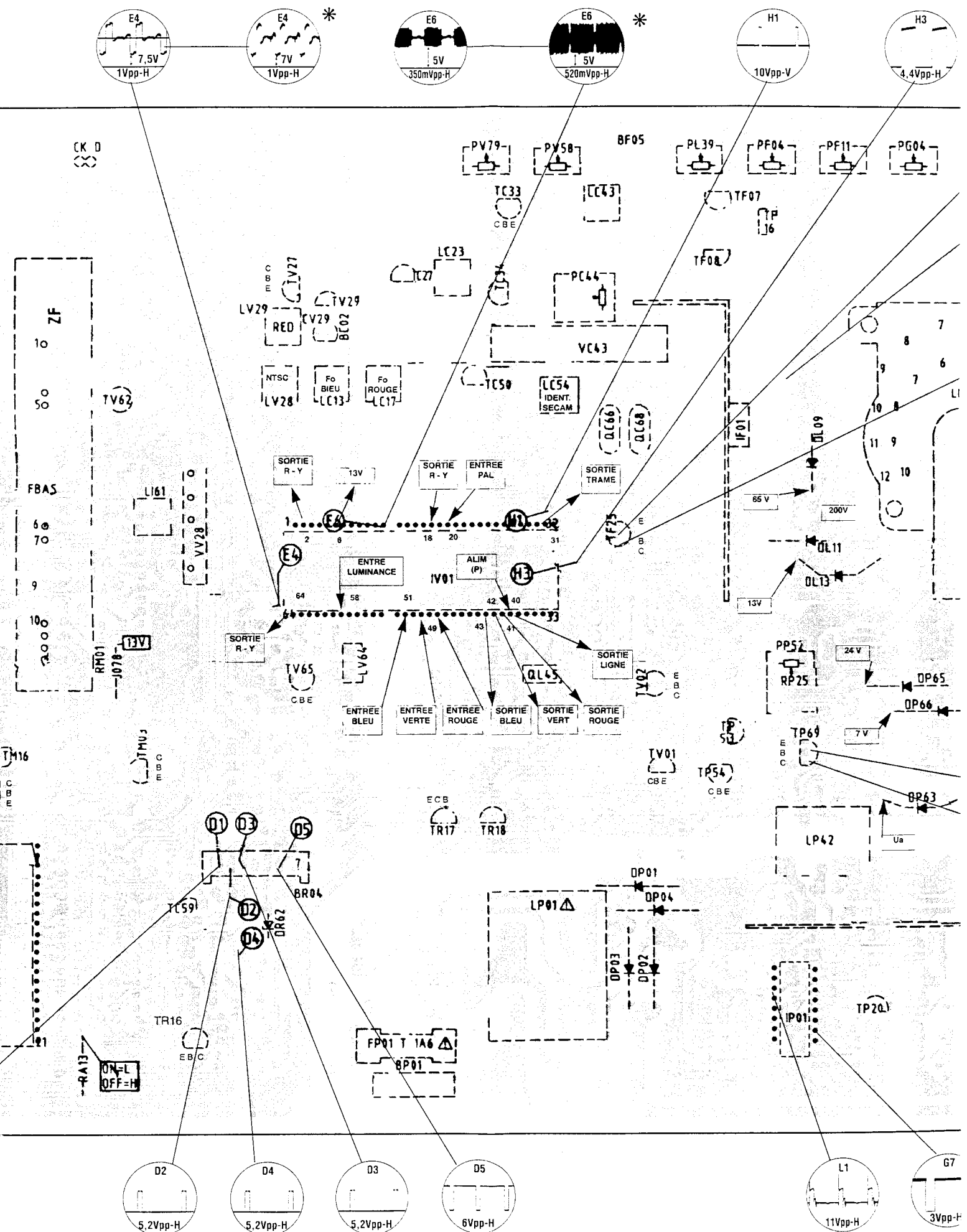
COMMERCIAL REFERENCES		L x H x D (mm) Weight (kg)		Cons. (W/h) Sound Power (W)		TRC cm / °		Norm Decoding		CHAPTER			SUBASSEMBLY														
										I	II	III & V	CHASSIS	AUDIO	CRT	N/S	CDI	DVT	SCI	HF/FL	KB/FCB	RIR / RCT	OTHER				
										CHAPTER			SUBASSEMBLY														
COMMERCIAL REFERENCES		L x H x D (mm) Weight (kg)		Cons. (W/h) Sound Power (W)		TRC cm / °		Norm Decoding		I	II	III & V	CHASSIS	AUDIO	CRT	N/S	CDI	DVT	SCI	HF/FL	KB/FCB	RIR / RCT	OTHER				
										CHAPTER			SUBASSEMBLY														
59SL2	674X490X430	29	105 2X20W	25° 110°	I PAL	OPERATING INSTRUCTIONS	Adjustments 1 to 6	Description ==> Block Diagram Schema PCB	ICC8707 1 to 2 1 to 4 1 to 2/6 to 9	Ni2003 - 9 to 10 3	CRT8010 - 25 4	NS8000 - 7 to 8 5	CDI8000 - 25 3	- - -	SCI7040 - 16 4	MTP2011 IF2132 11 to 12	FCB8008 - 22 -	RIR4000 - 23 -	LDN6005 S.VID 8710 26 11								
68SL2	745X521X475	36	105 2X20W	29° 110°	I PAL	OPERATING INSTRUCTIONS	Adjustments 1 to 6	Description ==> Block Diagram Schema PCB	ICC8707 1 to 2 1 to 4 1 to 2/6 to 9	Ni2003 - 9 to 10 3	CRT8010 - 25 4	NS8002 - 7 to 8 5	CDI8000 - 25 3	- - -	SCI7040 - 16 4	MTP2011 IF2132 11 to 12	FCB8008 - 22 -	RIR4000 - 23 -	LDN6005 S.VID 8710 26 11								
B51NX	510X444X398	21	95 2X20W	21° 90°	I PAL	OPERATING INSTRUCTIONS	Adjustments 1 to 6	Description ==> Block Diagram Schema PCB	ICC8706 1 to 2 1 to 4 1 to 2/6 to 9	Ni2003 - 9 to 10 3	CRT2007 - 5 5	- - -	CDI7000 - 4 to 5 10	DVT2013 - 19 to 20 12	- - -	IF2132 11 to 12	FCB8017 - 21 -	RIR4000 - 23 -	S.VID 8710 26 11								
B59N	626X490X448	26	95 2X20W	25° 110°	I PAL	OPERATING INSTRUCTIONS	Adjustments 1 to 6	Description ==> Block Diagram Schema PCB	ICC8705 1 to 2 1 to 4 1 to 2/6 to 9	Ni2003 - 9 to 10 3	CRT7000 - 5 5	- - -	CDI7000 - 4 to 5 10	DVT2013 - 19 to 20 12	- - -	IF2132 11 to 12	FCB8010 - 21 -	RIR4000 - 23 -	S.VID 8710 26 11								
B59NX	662X488X433	29,5	95 2X20W	25° 110°	I PAL	OPERATING INSTRUCTIONS	Adjustments 1 to 6	Description ==> Block Diagram Schema PCB	ICC8704 1 to 2 1 to 4 1 to 2/6 to 9	Ni2003 - 9 to 10 3	CRT8050 - 25 4	- - -	CDI7000 - 4 to 5 10	DVT7000 - 14 11	SCI7040 - 16 4	MTP2011 IF2145 12 to 13	FCB8002 - 21 -	RIR4000 - 23 -	S.DFH7062 S.VID 8710 26 11								
B68NX	719X534X462	33	95 2X20W	28° 110°	I PAL	OPERATING INSTRUCTIONS	Adjustments 1 to 6	Description ==> Block Diagram Schema PCB	ICC8704 1 to 2 1 to 4 1 to 2/6 to 9	Ni2003 - 9 to 10 3	CRT8050 - 25 4	- - -	CDI7000 - 4 to 5 10	DVT7000 - 14 11	SCI7040 - 16 4	MTP2011 IF2145 12 to 13	FCB8002 - 21 -	RIR4000 - 23 -	S.DFH7062 S.VID 8710 26 11								
E51N	510X444X398	21	95 2X20W	21° 90°	I PAL	OPERATING INSTRUCTIONS	Adjustments 1 to 6	Description ==> Block Diagram Schema PCB	ICC8706 1 to 2 1 to 4 1 to 2/6 to 9	Ni2003 - 9 to 10 3	CRT2007 - 5 5	- - -	CDI7000 - 4 to 5 10	DVT2013 - 19 to 20 12	- - -	IF2132 11 to 12	FCB8017 - 21 -	RIR4000 - 23 -	S.VID 8710 26 11								
C51N	518X444X475	21	95 2X20W	21° 90°	I PAL	OPERATING INSTRUCTIONS	Adjustments 1 to 6	Description ==> Block Diagram Schema PCB	ICC8706 1 to 2 1 to 4 1 to 2/6 to 9	Ni2003 - 9 to 10 3	CRT2007 - 5 5	- - -	CDI7000 - 4 to 5 10	DVT2013 - 19 to 20 12	- - -	IF2132 11	FCB8012 - 22 -	RIR4000 - 23 -	S.VID 8710 26 11								
E51 R8 NIC	510X444X398	21	95 2X20W	21° 90°	I PAL	OPERATING INSTRUCTIONS	Adjustments 1 to 6	Description ==> Block Diagram Schema PCB	ICC8706 1 to 2 1 to 4 1 to 2/6 to 9	Ni2003 - 9 to 10 3	CRT2007 - 5 5	- - -	CDI7000 - 4 to 5 10	DVT2012 - 17 to 18 12	- - -	IF2132 11	FCB8015 - -	RIR4000 - 23 -	S.VID 8710 26 11								



(SOLDER SIDE COTE CUIVRE - LOTSEITE - LADO DEL COBRE - LATO SALDATURE)

\*: secam

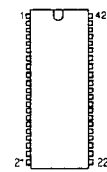
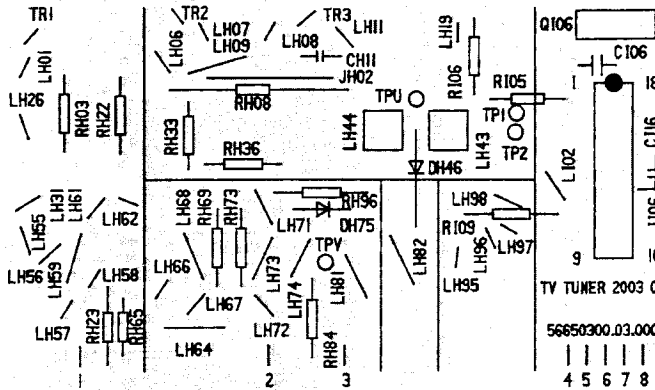




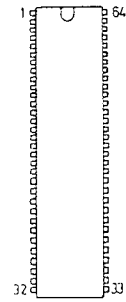




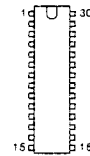
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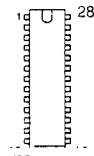
ST6395



TA 8659CN

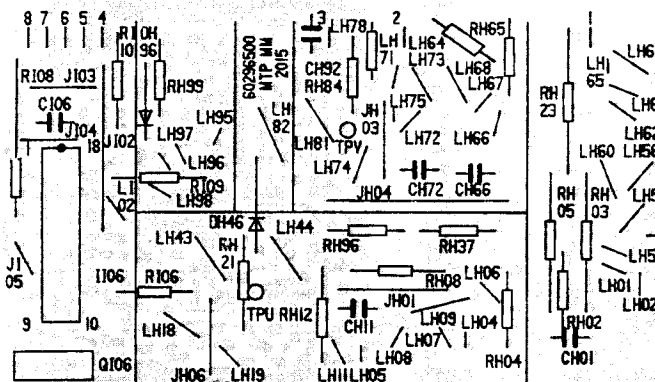


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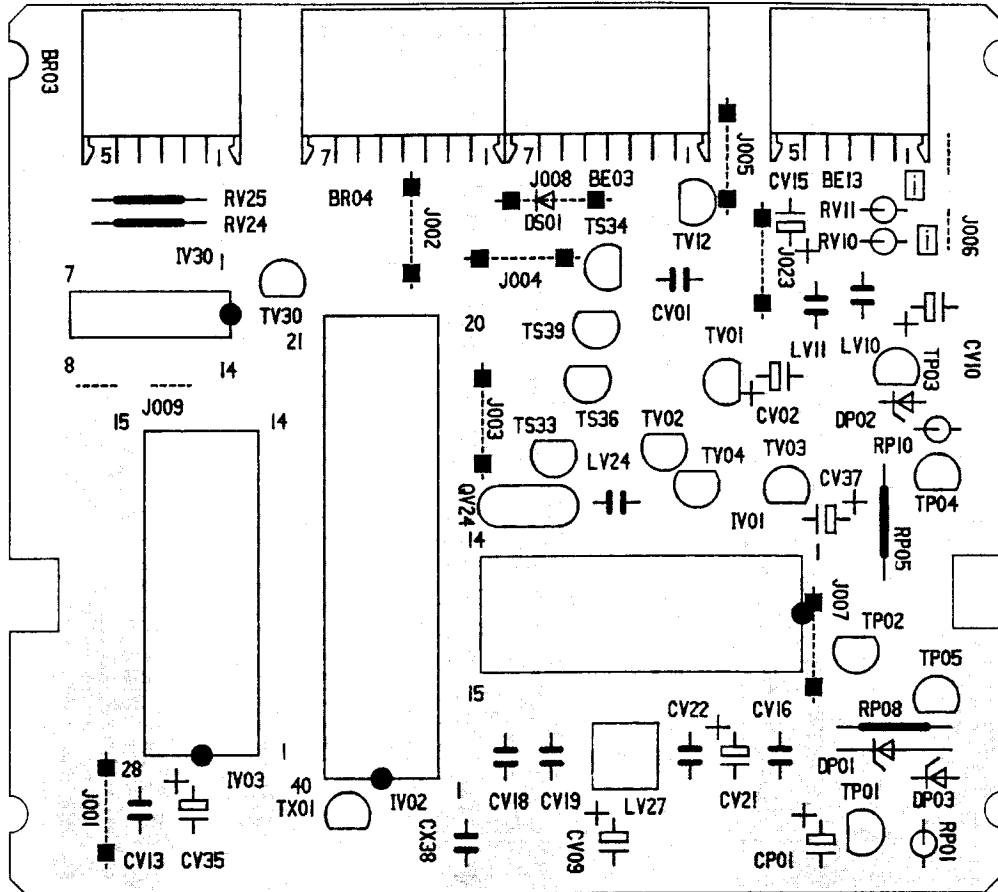


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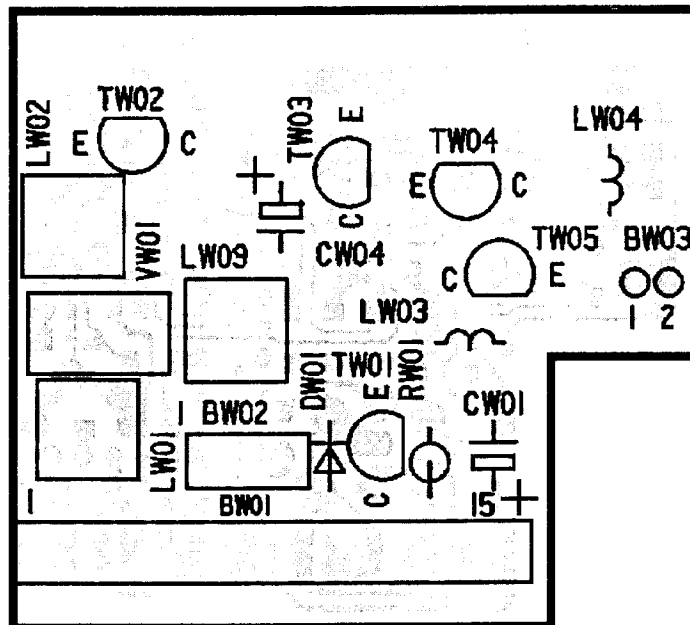
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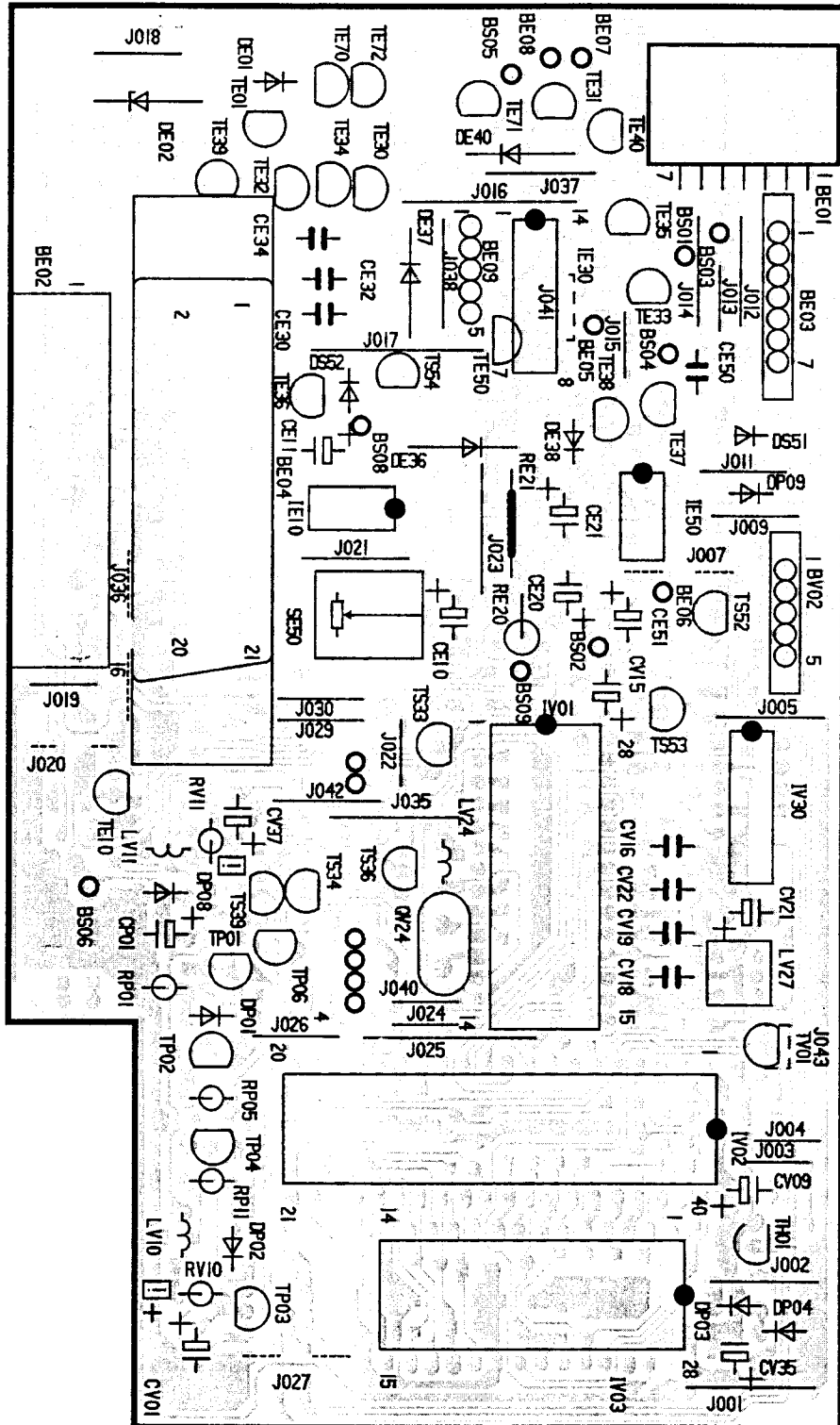


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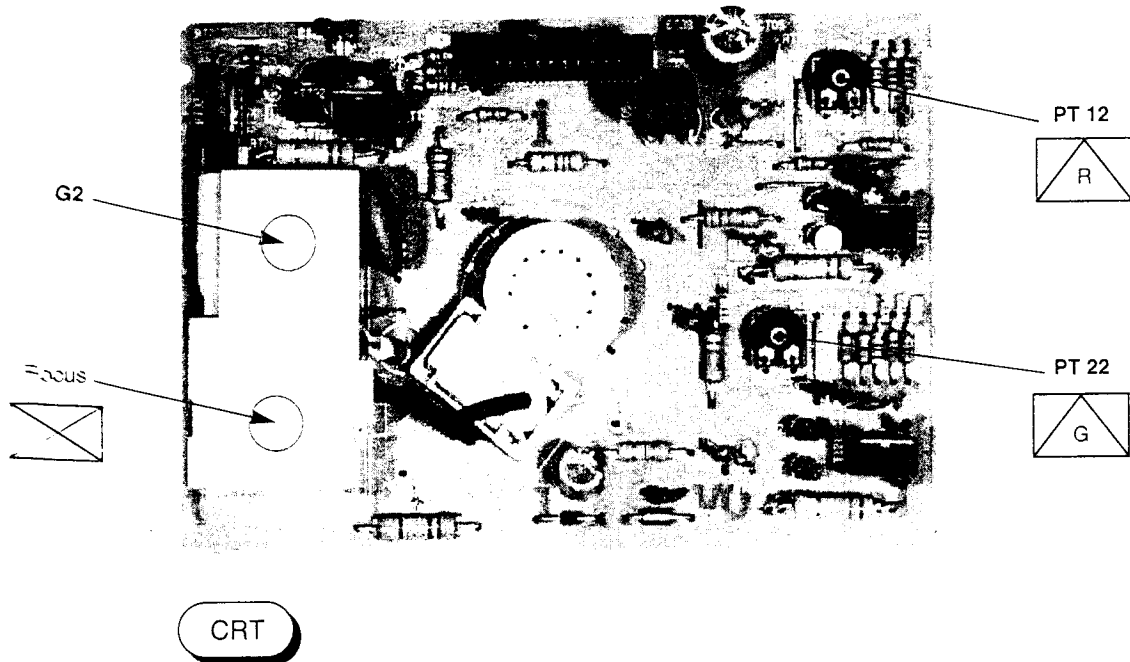


## SUB VIDEO 8100 / 8110 / 8300 / 8310 / 8700





## II - LOCATION OF CONTROLS - EMBLEMENTS DES REGLAGES - LAGE D

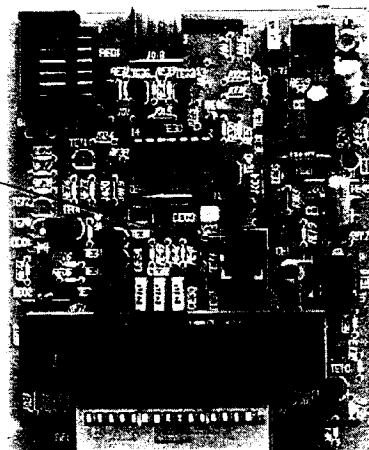


PI 40 HF AGC

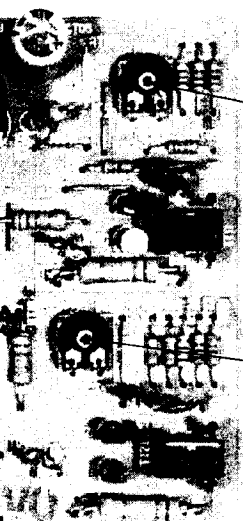
LC 13 Blue disci fo  
Fo disci - bleu  
Fo diskri - blau  
Fo disci - azul  
Fo disci - azzuro

\* LV 29 Subcarrier reject  
Réjecteur sous-porteuse  
Zwischenfallen - Unterdrückung  
Rechazador de subportadora  
Rigettatore sottoportante  
**SECAM 4,3 MHz**

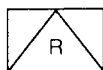
Comm. / Norm.  
**SVS**



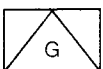
\* LC 23 Bell filter  
Filtre cloche  
Glocken filter  
Filtro campana



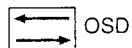
PT 12



PT 22



LR 03



LI 61 Sound rejection  
Réjecteur son  
Tonunterdrückung  
Trampa audio  
Reiettore audio

\* LC 17 Red disci -  
Fo disci -  
Fo diskri -  
Fo disci -  
Fo disci -

PI 40 HF AGC

LC 13 Blue disci fo  
Fo disci - bleu  
Fo diskri - blau  
Fo disci - azul  
Fo disci - azzuro

\* LV 29 Subcarrier reject  
Réjecteur sous-porteuse  
Zwischenfallen - Unterdrückung  
Rechazador de subportadora  
Rigettatore sottoportante  
**SECAM 4,3 MHz**

\* LC 23 Bell filter  
Filtre cloche  
Glocken filter  
Filtro campana

MAIN

LC 43 Delay line  
Ligne à retard  
Verzögerungsleitung  
Linea de retardo  
Linea di ritardo



PV 79



PV 58



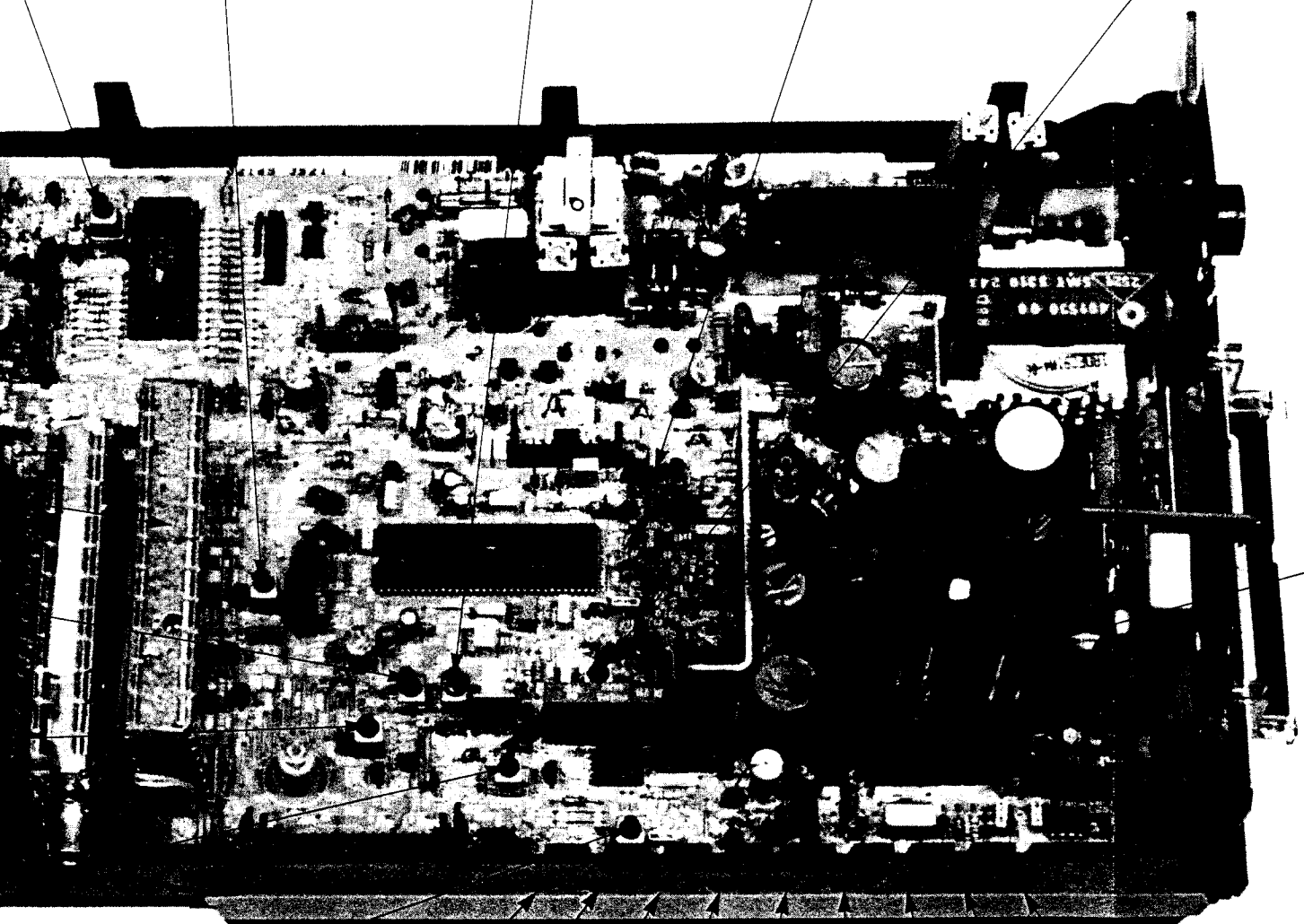
PG 20  
16/9



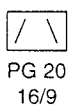
F

\* : SECAM

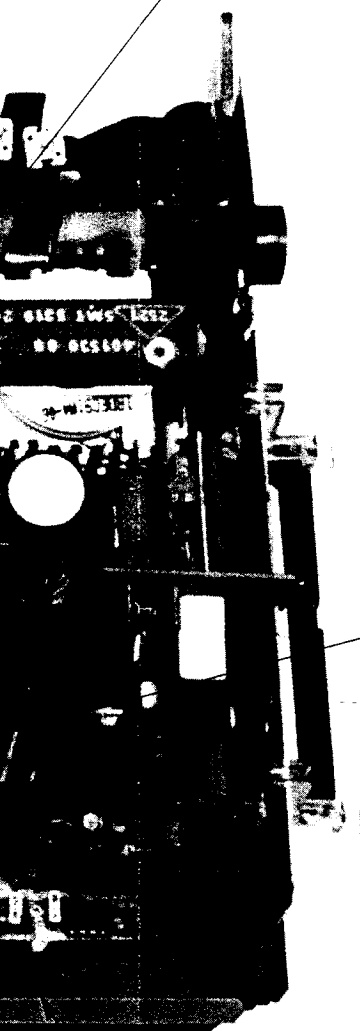
- OSD
- LI 61 Sound rejection  
Réjecteur son  
Tonunterdrückung  
Trampa audio  
Reiettoe audio
- \* LC 17 Red discri fo  
Fo discri - rouge  
Fo diskri - rot  
Fo discri - rojo  
Fo discri - rosso
- PP 52 V = U Syst.\*  
\* See schema.
- \* LC 54 Identification  
Identification  
Kennung  
identificación  
Identificazione



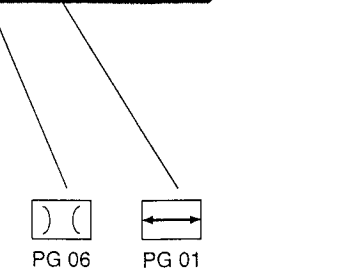
- LC 43 Delay line  
Ligne à retard  
Verzögerungsleitung  
Linea de retardo  
Linea di ritardo



\* LC 54 Identification  
Identification  
Kennung  
identificación  
Identificazione



PC 44 PAL amplitude  
Amplitude PAL  
PALpegel  
Amplitud PAL  
Ampiezza PAL

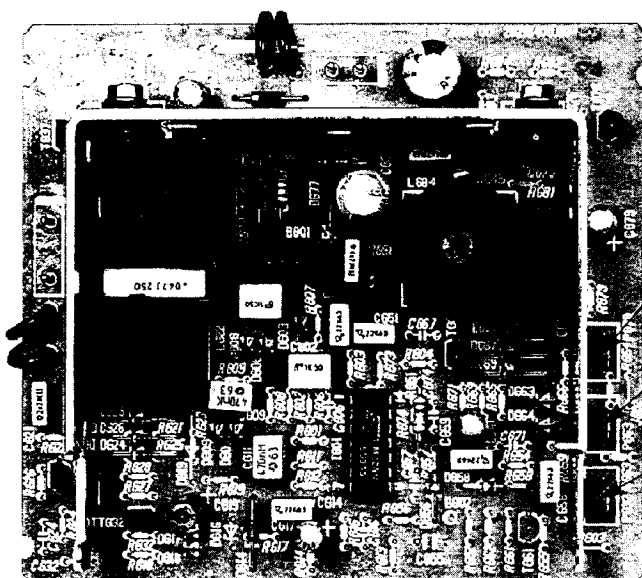
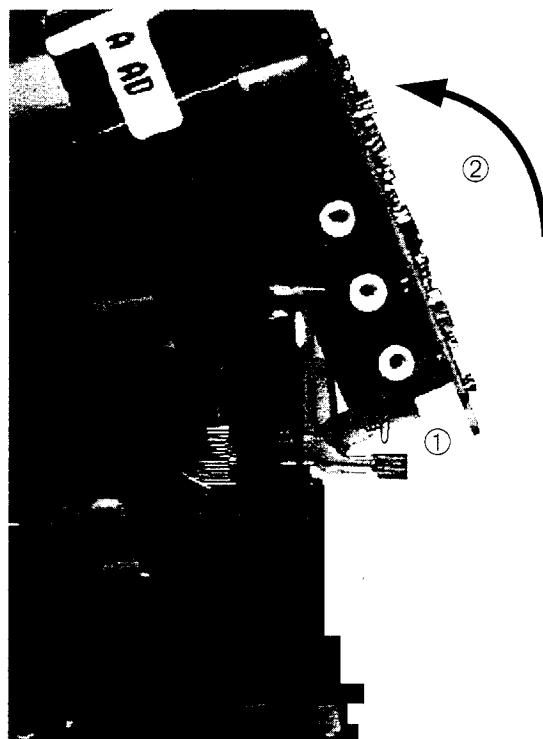


PG 06



PG 01

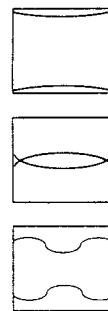
REMOVING N/S PCB  
DEMONTAGE DE LA PLATINE N / S  
ABNAHME N/S PLATTE  
RETIRADA PLATINA N/S  
SMONTAGGIO PIASTRA N/S



PG 79

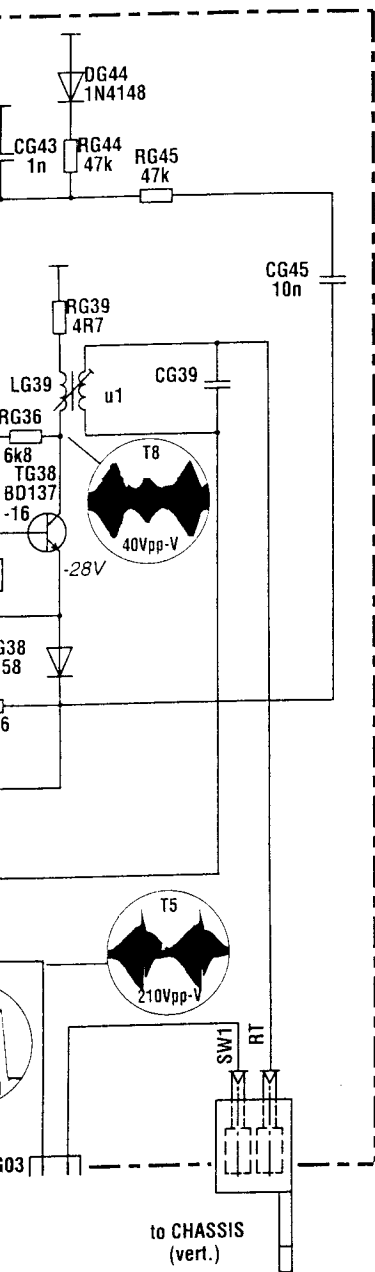
PG 63

PG 32



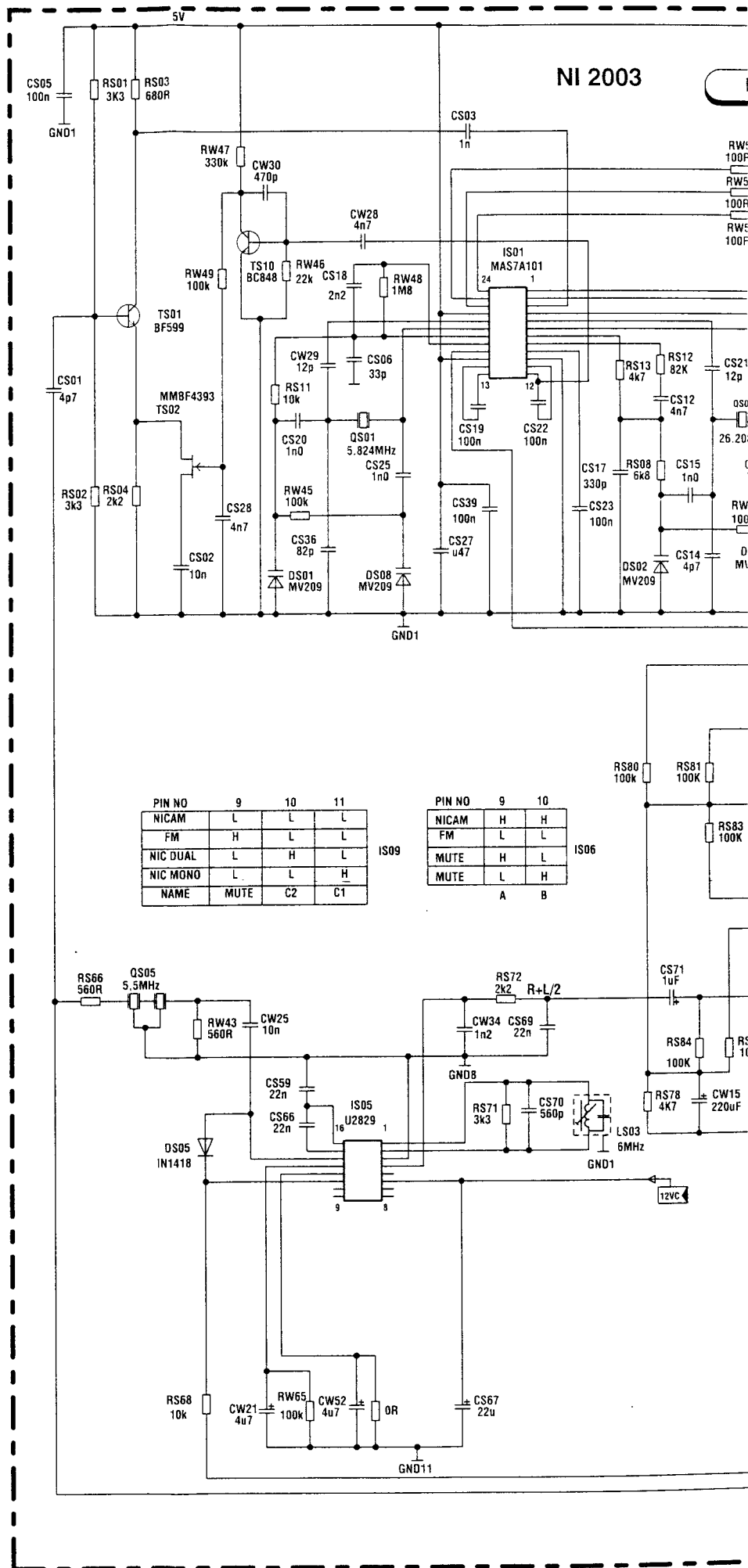
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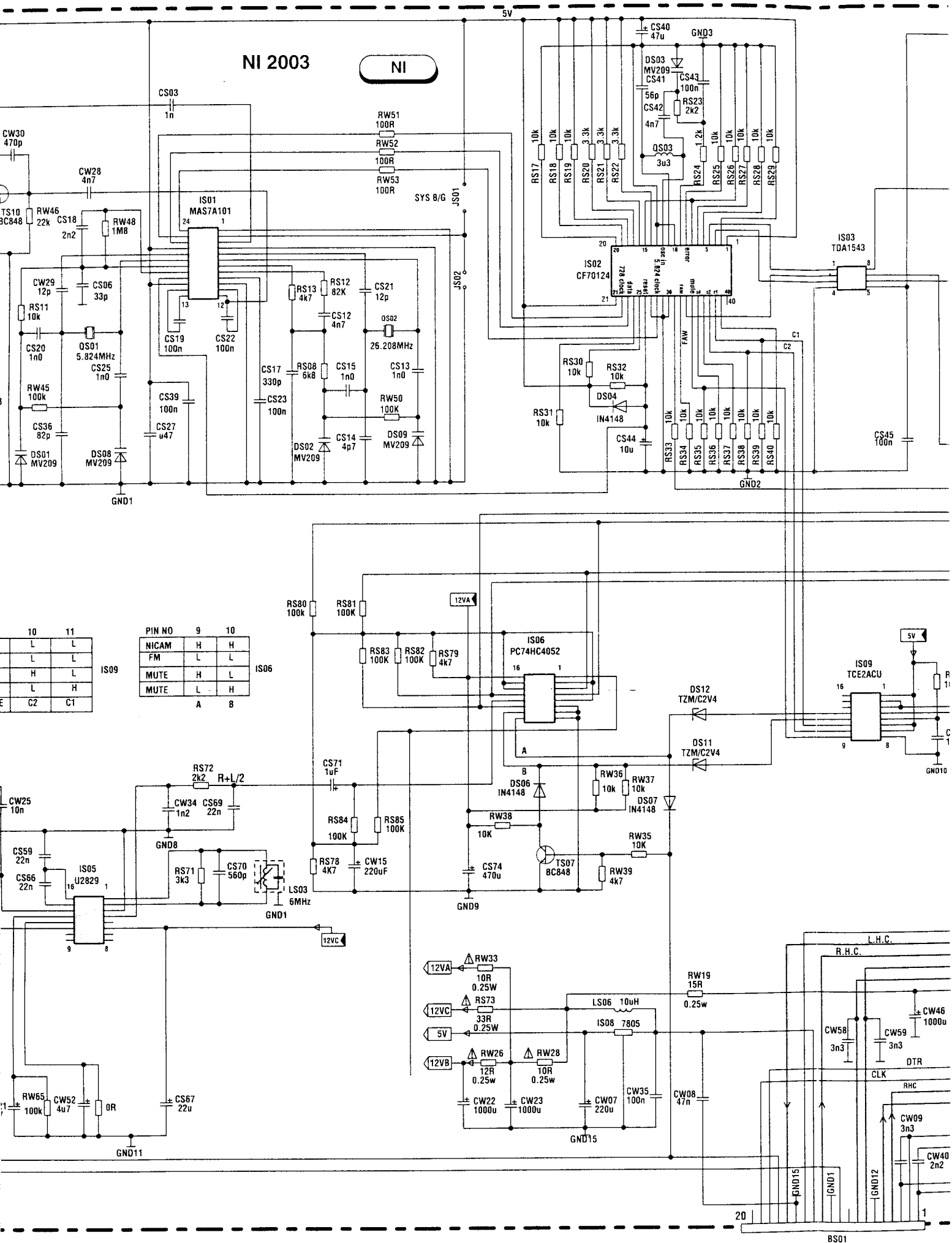




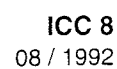
R 1

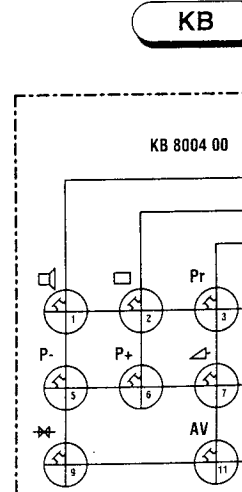
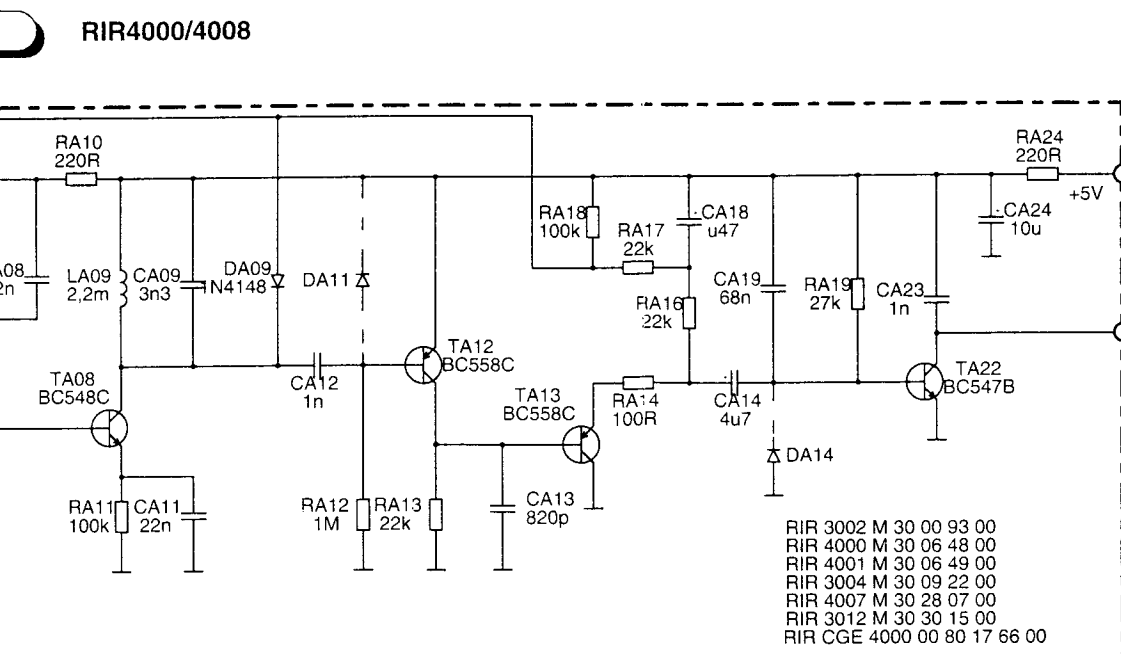
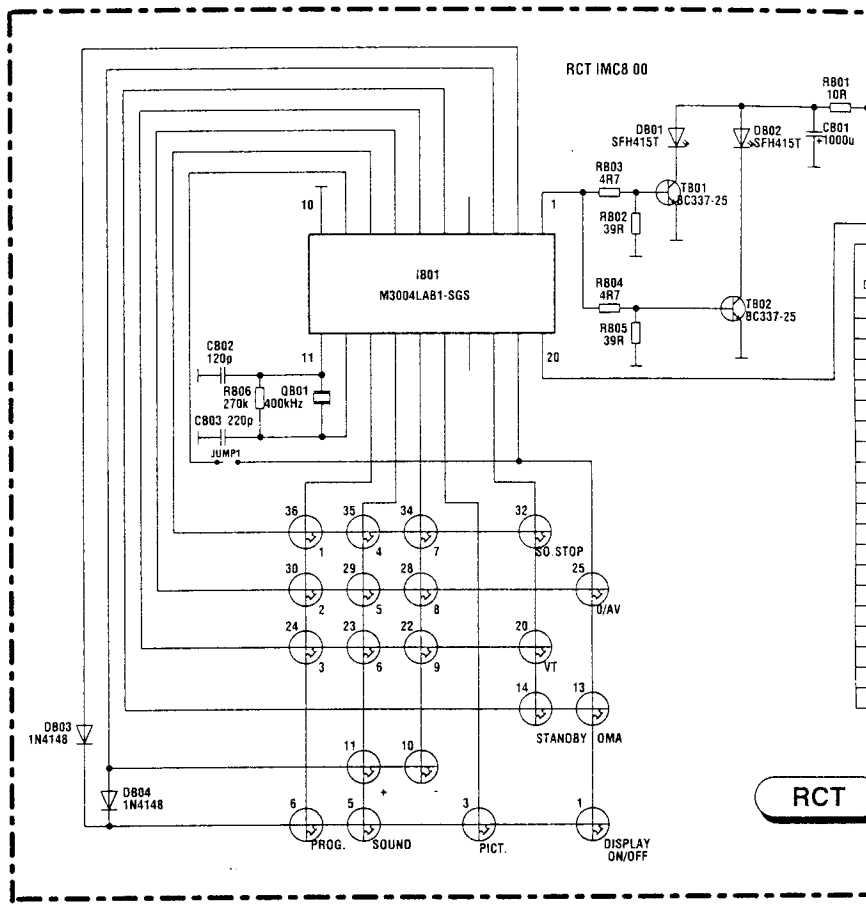
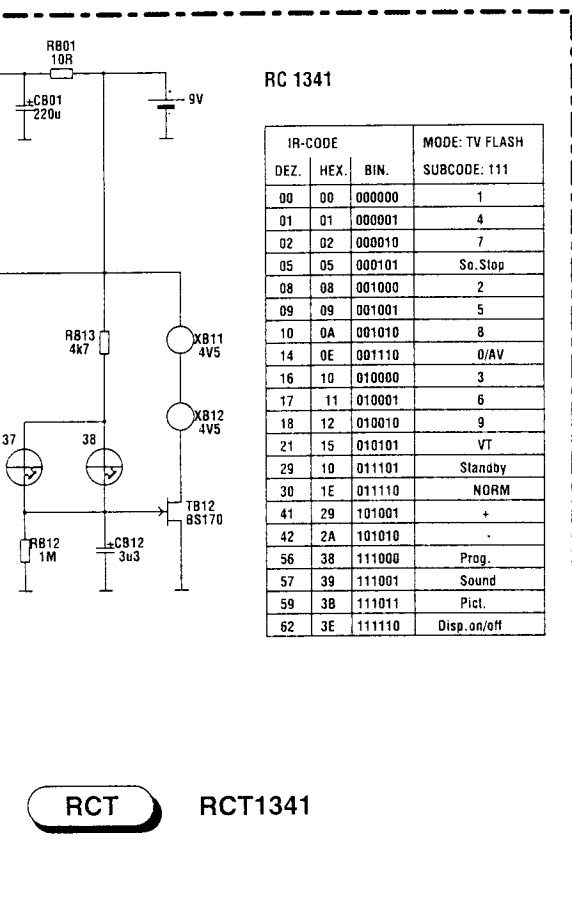
TER

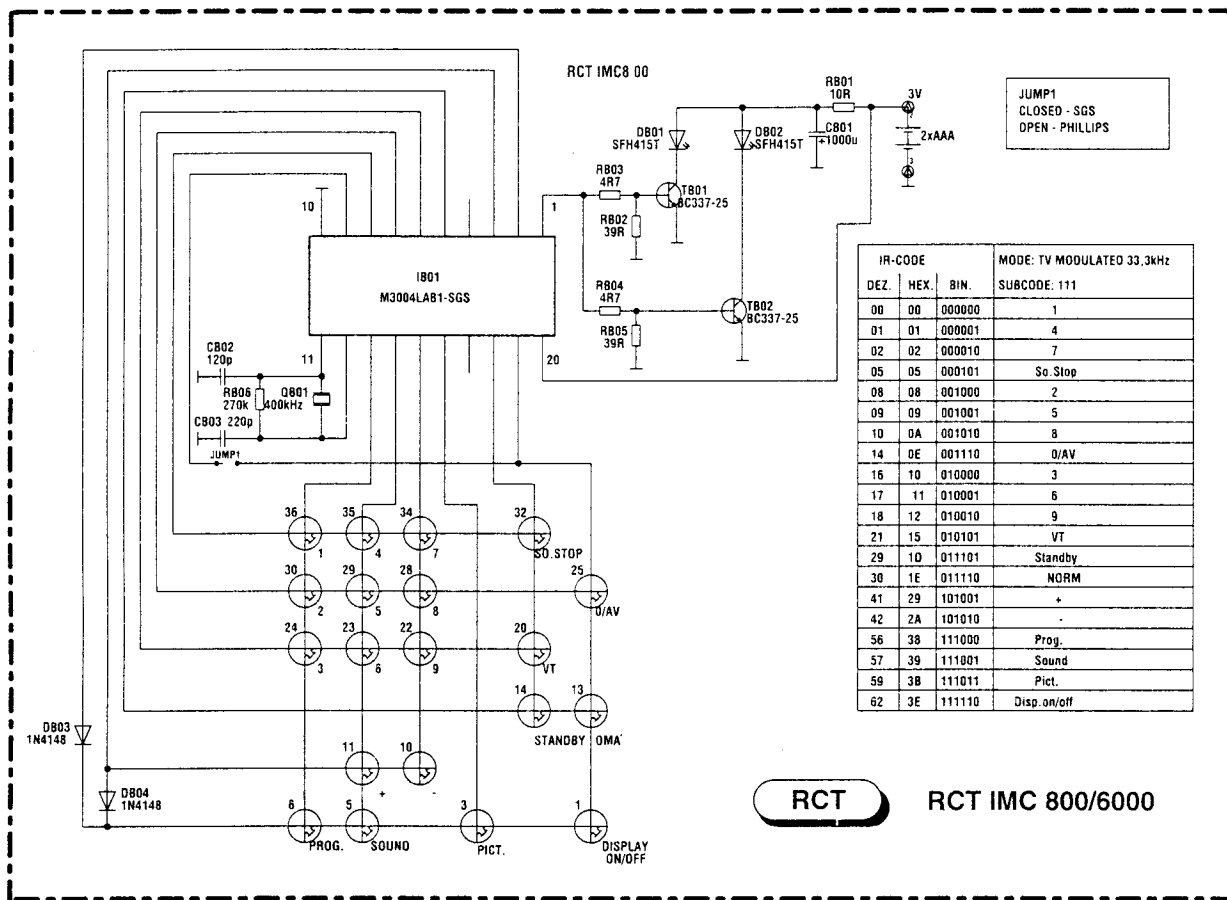




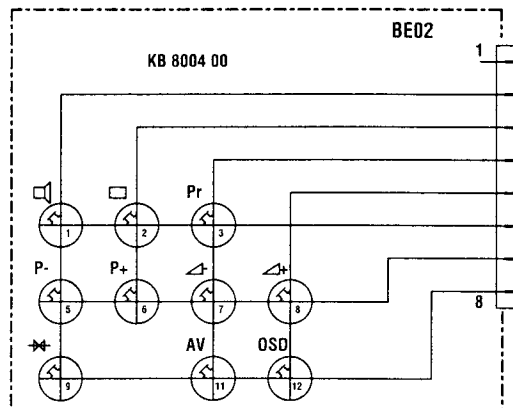
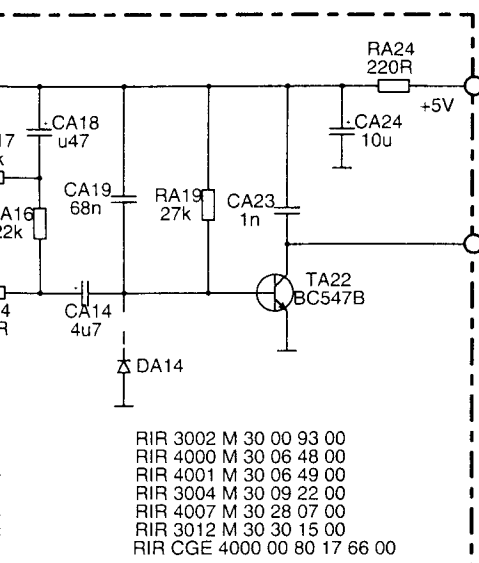




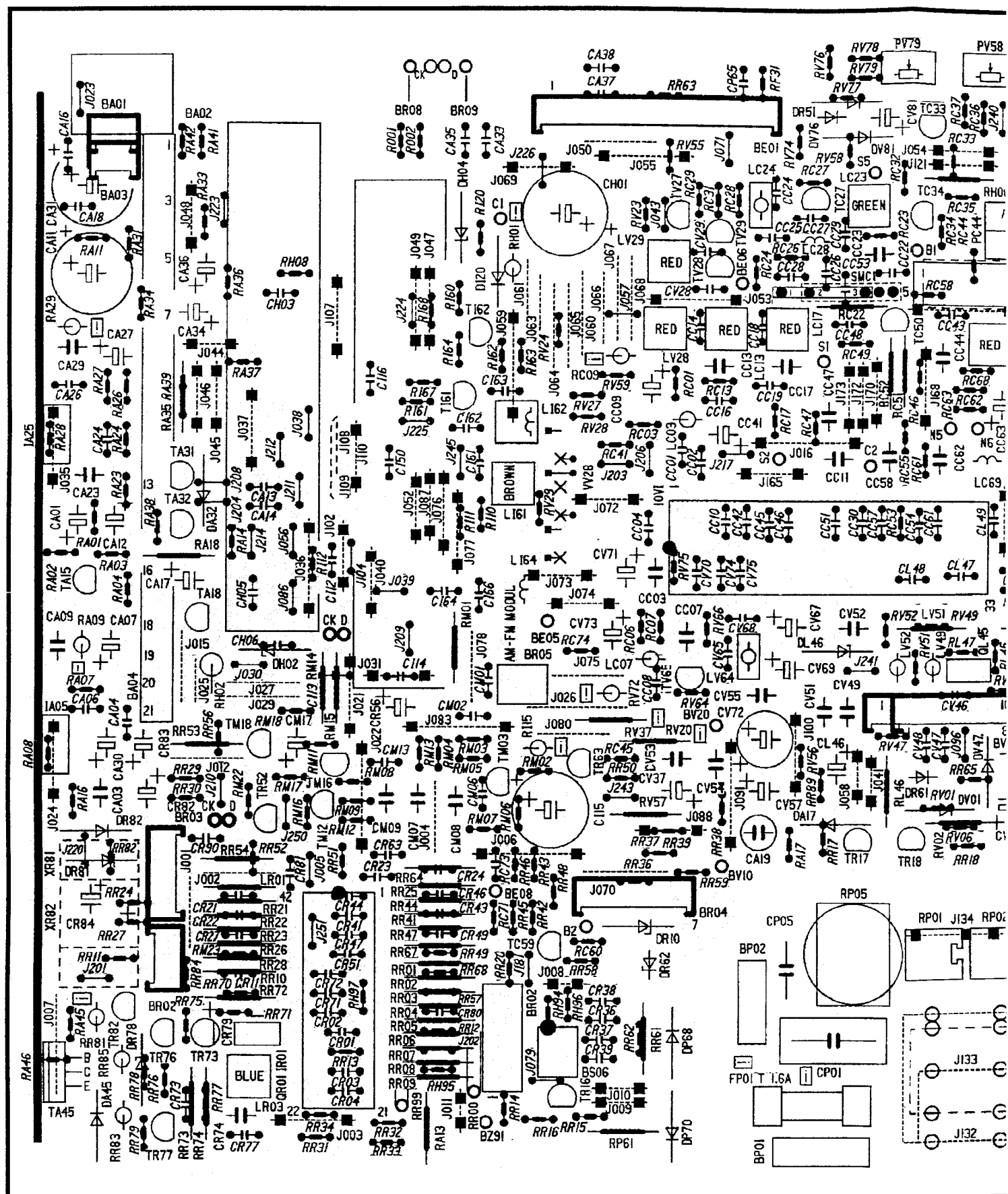




**KB KB 8004**

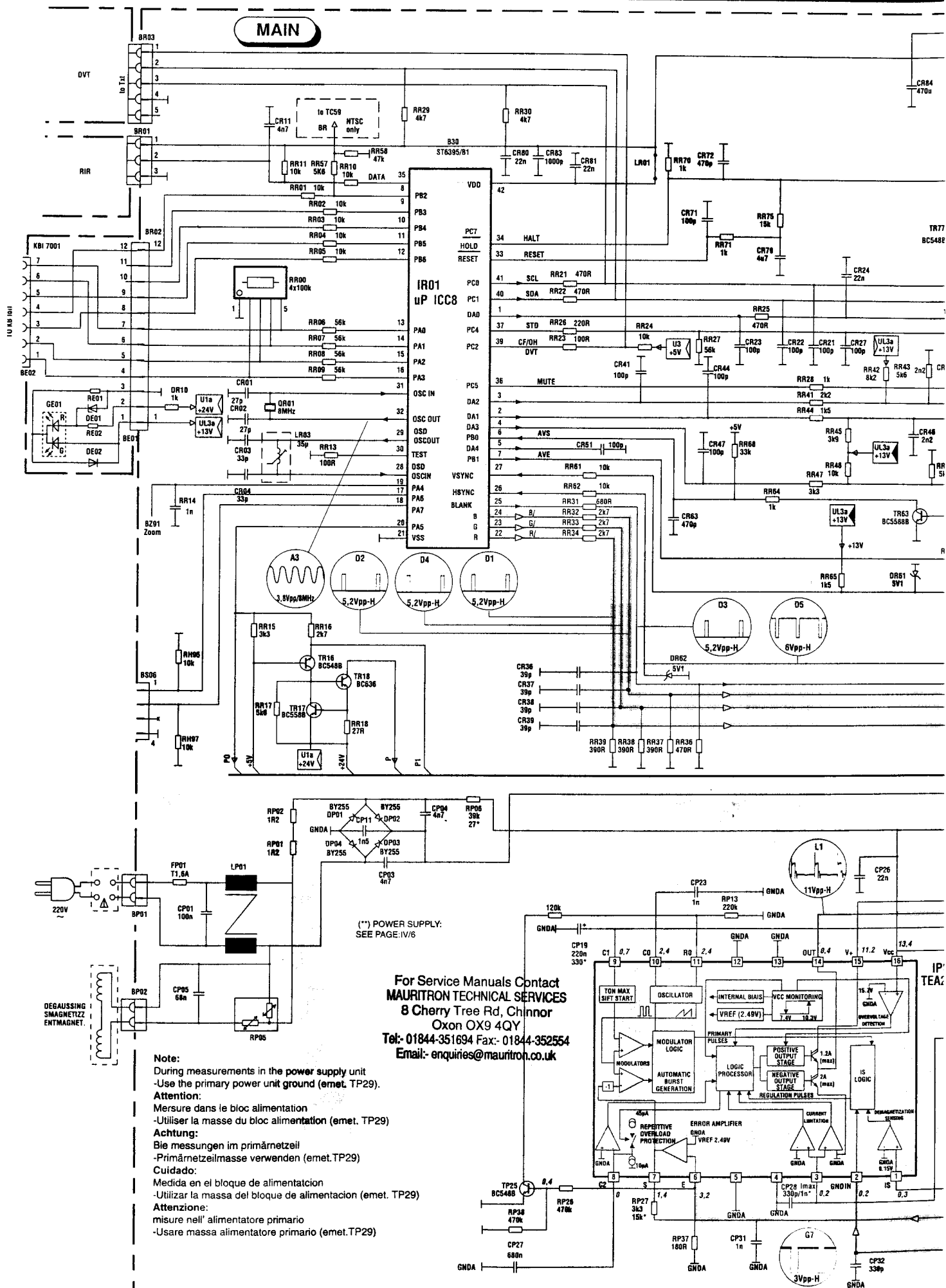




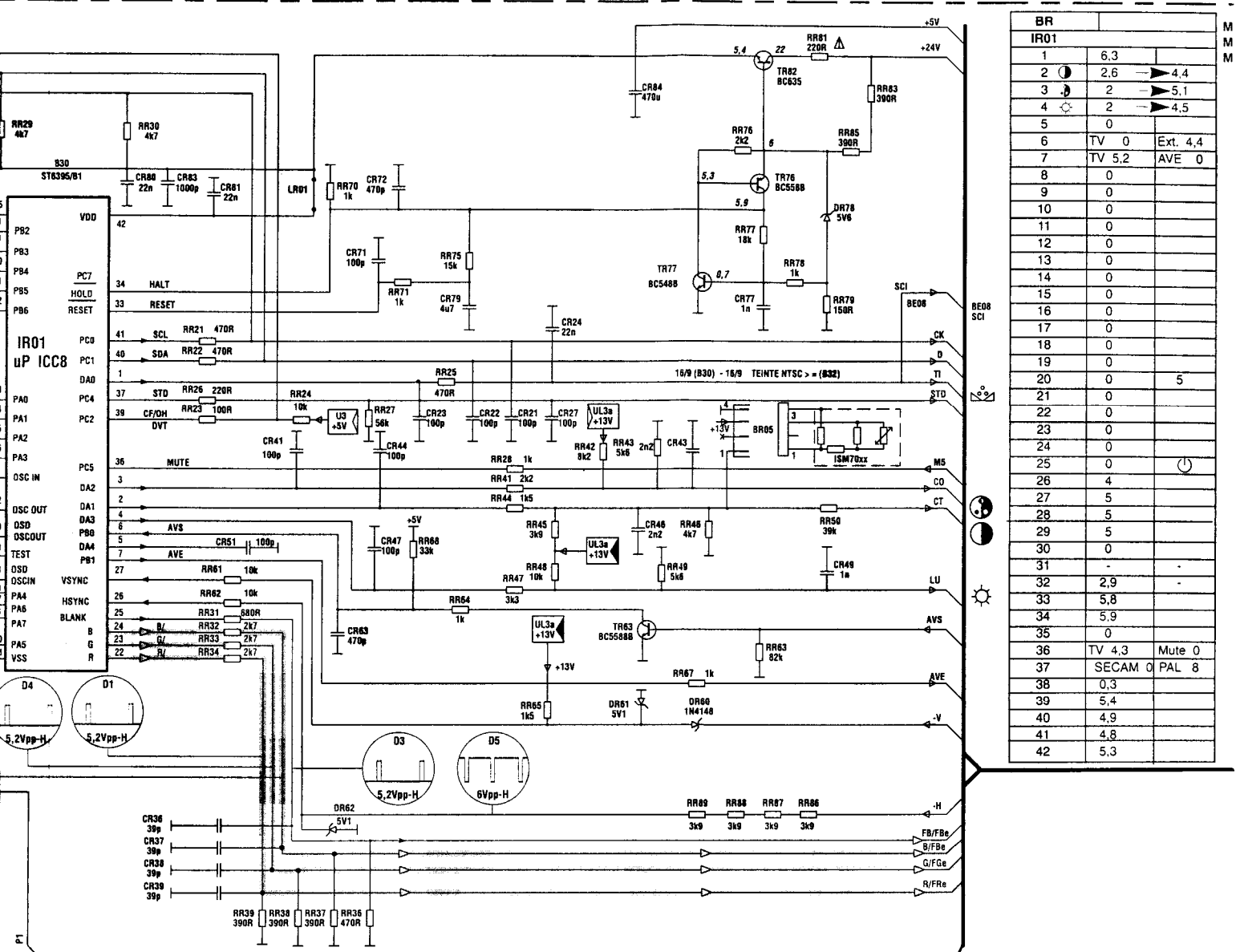




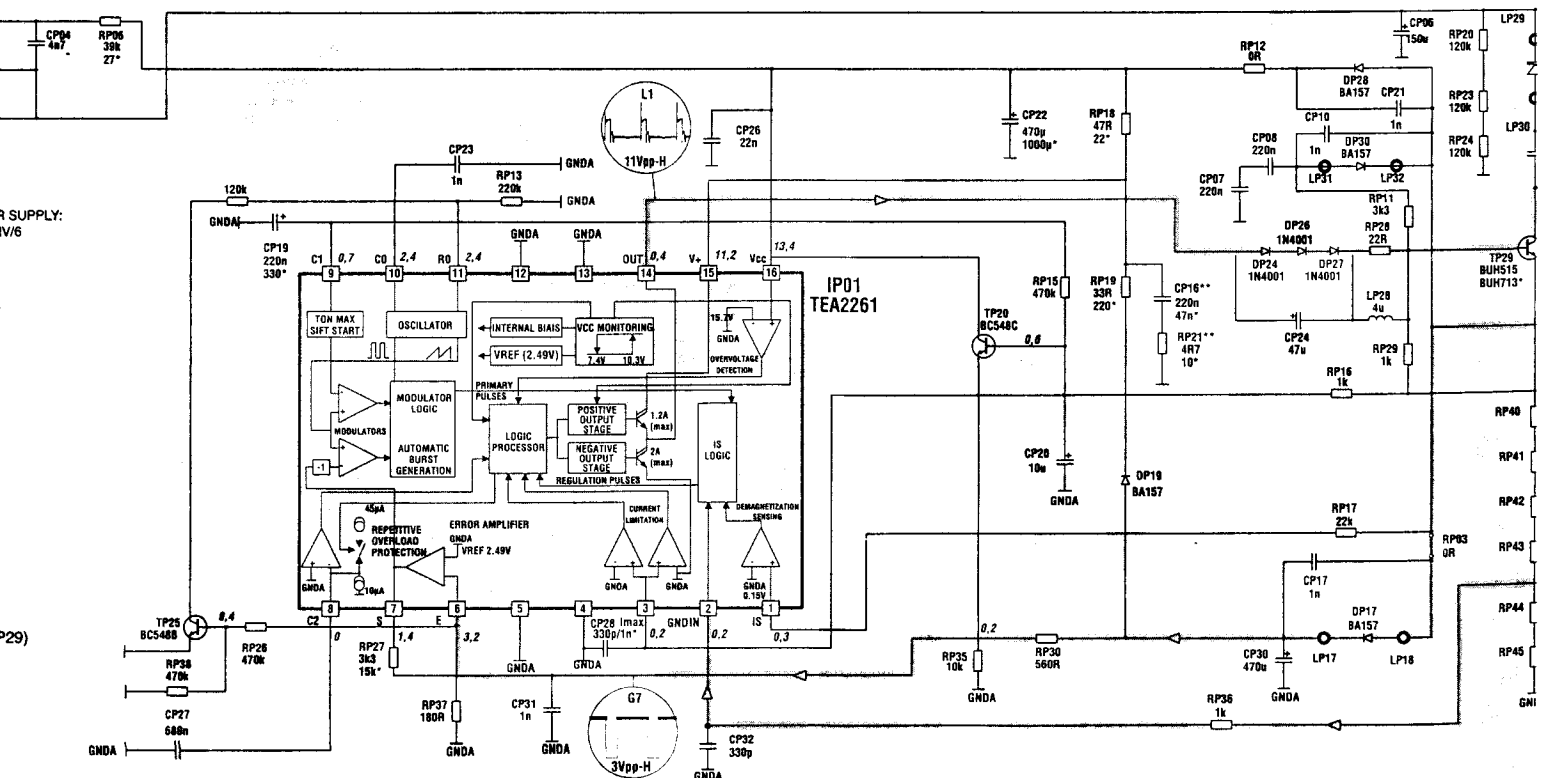
# IV - COMPLETE PCB DIAGRAM - SCHEMA PLATINE PRINCIPALE EQUIPEE - SCHEMA LEITI



# SCHEMA PLATINE PRINCIPALE EQUIPEE - SCHEMA LEITERPLATTE KPL - ESQUEMA PLATINA EQUIPAI



BR	IR01		
1	6.3		
2	2.6	4.4	
3	2	5.1	
4	2	4.5	
5	0		
6	TV 0	Ext. 4.4	
7	TV 5.2	AVE 0	
8	0		
9	0		
10	0		
11	0		
12	0		
13	0		
14	0		
15	0		
16	0		
17	0		
18	0		
19	0		
20	0	5	
21	0		
22	0		
23	0		
24	0		
25	0		
26	4		
27	5		
28	5		
29	5		
30	0		
31	-		
32	2.9		
33	5.8		
34	5.9		
35	0		
36	TV 4.3	Mute 0	
37	SECAM 0	PAL 8	
38	0.3		
39	5.4		
40	4.9		
41	4.8		
42	5.3		

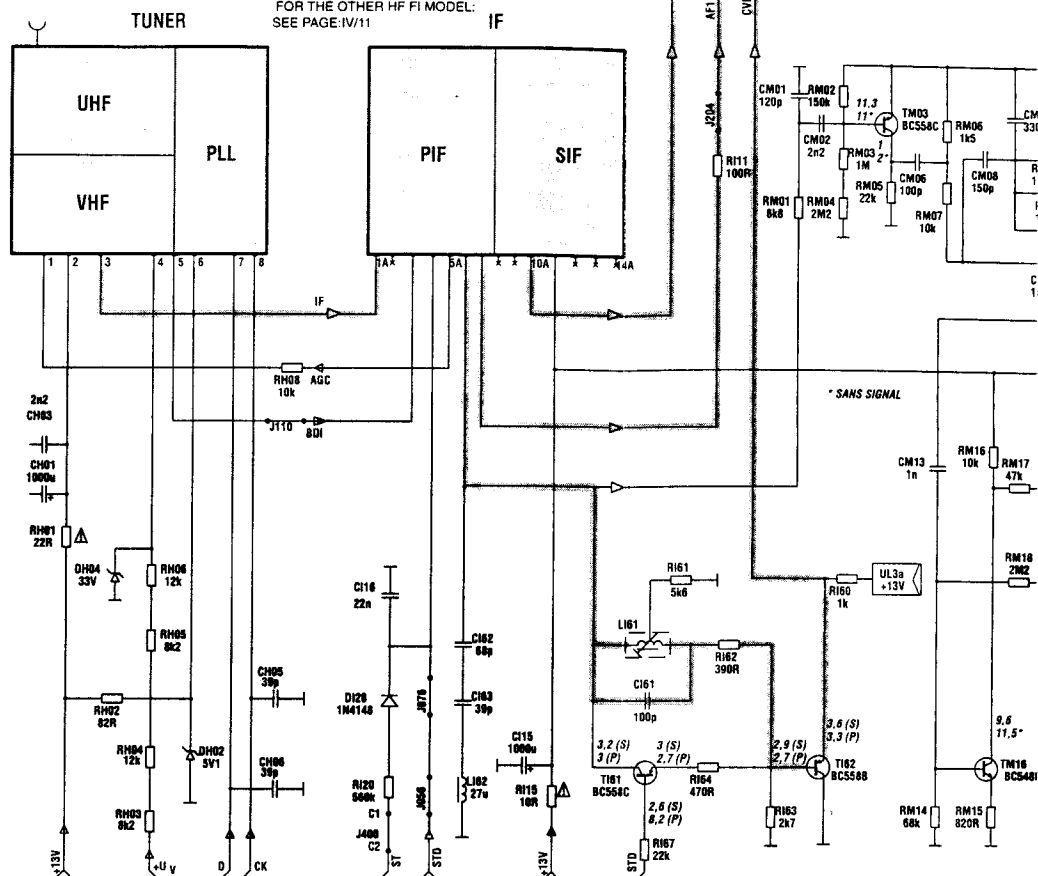


# QUEMA PLATINA EQUIPADA - SCHEMA PIASTRA COMPLETA

BR	IR01	
1	6,3	
2	2,6	→ 4,4
3	2	→ 5,1
4	2	→ 4,5
5	0	
6	TV 0	Ext. 4,4
7	TV 5,2	AVE 0
8	0	
9	0	
10	0	
11	0	
12	0	
13	0	
14	0	
15	0	
16	0	
17	0	
18	0	
19	0	
20	0	5
21	0	
22	0	
23	0	
24	0	
25	0	
26	4	
27	5	
28	5	
29	5	
30	0	
31	-	
32	2,9	
33	5,8	
34	5,9	
35	0	
36	TV 4,3	Mute 0
37	SECAM 0	PAL 8
38	0,3	
39	5,4	
40	4,9	
41	4,8	
42	5,3	

MICROPROCESSOR MICROPROCESSEUR  
MIKROPROCESSOR MICROPROCESADOR  
MICROPROCESSORE

FOR THE OTHER HF FI MODEL:  
SEE PAGE IV/11



For Service Manuals Contact  
MAURITRON TECHNICAL SERVICES  
8 Cherry Tree Rd, Chinnor  
Oxon OX9 4QY  
Tel: 01844-351694 Fax: 01844-352554  
Email: enquiries@mauritron.co.uk

