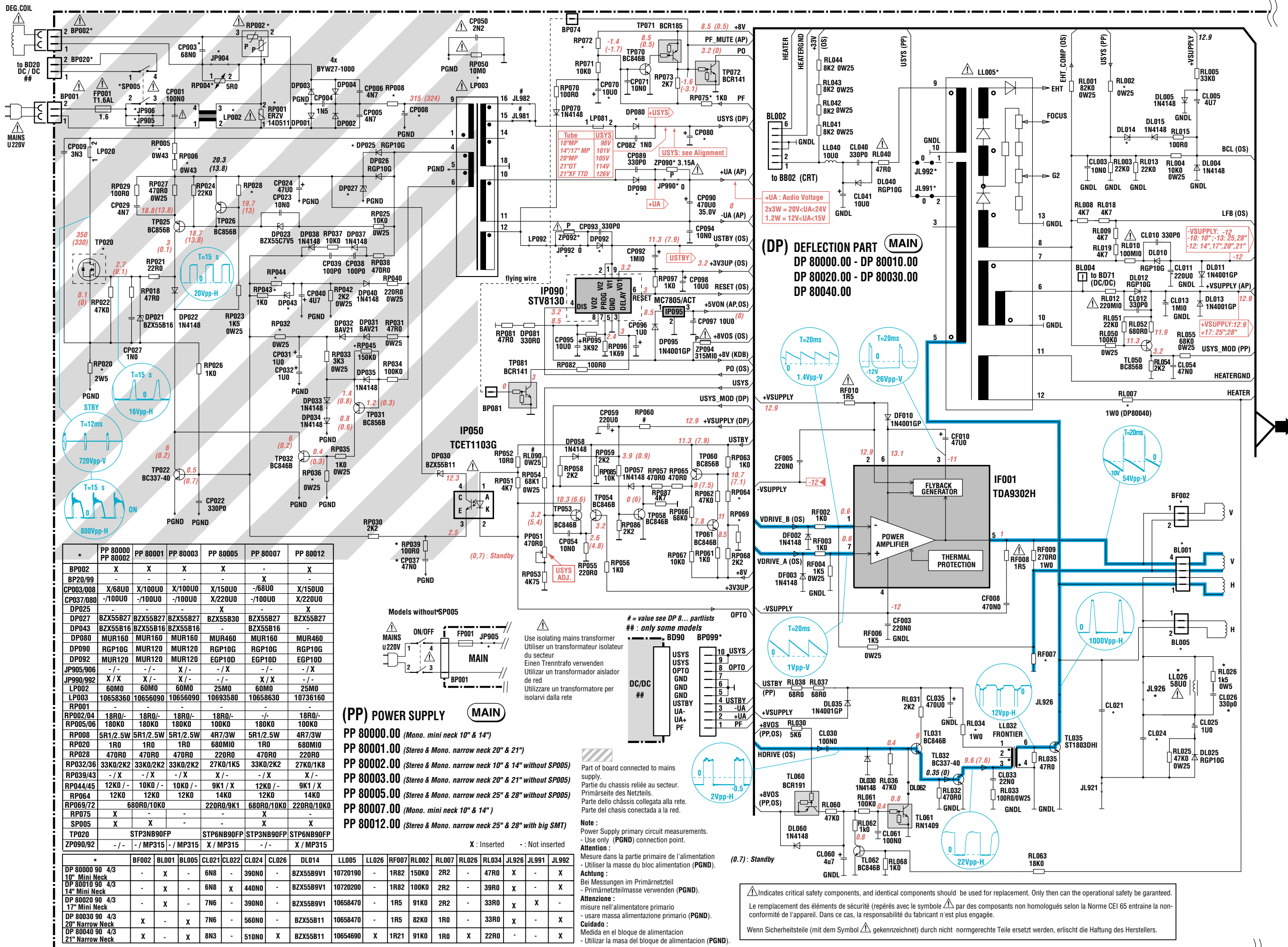


COMPLETE PCB DIAGRAM - SCHEMA PLATINE PRINCIPALE EQUIPEE - SCHALTUNG LEITERPLATTE KPL - SCHEMA PIASTRA COMPLETA - ESQUEMA PLATINA EQUIPADA



* PP 80000 PP 80002	PP 80001	PP 80003	PP 80005	PP 80007	PP 80012
BP002	X	X	X	X	X
BP20/99					
CP003/008	X/68U	X/100U	X/100U	X/150U	X/150U
CP037/080	-/100U	-/100U	-/100U	X/220U	X/220U
DP025		X			
DP027	BZX55B27	BZX55B27	BZX55B27	BZX55B30	BZX55B27
DP043	BZX55B16	BZX55B16	BZX55B16		BZX55B16
DP080	MUR160	MUR160	MUR160	MUR160	MUR160
DP090	RGP10G	MUR120	MUR120	RGP10G	RGP10G
DP092	MUR120	MUR120	MUR120	EGP10D	EGP10D
JP905/906	-/-	-/-	X/-	-/-	-/-
JP990/992	X/X	X/-	X/-	-/-	X/X
LP002	60M0	60M0	60M0	25M0	25M0
LP003	10658360	10656090	10656090	10693580	10736160
RP001					
RP002/04	18R0/-	18R0/-	18R0/-	18R0/-	18R0/-
RP005/06	180K0	180K0	180K0	100K0	100K0
RP008	5R1/2.5W	5R1/2.5W	5R1/2.5W	4R7/3W	4R7/3W
RP020	1R0	1R0	1R0	680M10	680M10
RP028	470R0	470R0	470R0	220R0	220R0
RP032/36	33K0/2K2	33K0/2K2	33K0/2K2	27K0/1K5	33K0/2K2
RP039/43	-/X	-/X	-/X	X/-	-/X
RP044/45	12K0/-	10K0/-	10K0/-	9K1/X	12K0/-
RP064	12K0	12K0	12K0	14K0	14K0
RP069/72	680R0/10K0		220R0/9K1	680R0/10K0	220R0/10K0
RP075	X			X	X
SP005	X	X		X	X
TP020		STP3NB90FP		STP6NB90FP	STP3NB90FP
ZP090/92	-/-	-/MP315	-/MP315	X/MP315	-/-

(PP) POWER SUPPLY (MAIN)

PP 80000.00 (Mono. mini neck 10" & 14")
 PP 80001.00 (Stereo & Mono. narrow neck 20" & 21")
 PP 80002.00 (Stereo & Mono. narrow neck 10" & 14" without SP005)
 PP 80003.00 (Stereo & Mono. narrow neck 20" & 21" without SP005)
 PP 80005.00 (Stereo & Mono. narrow neck 25" & 28" without SP005)
 PP 80007.00 (Mono. mini neck 10" & 14")
 PP 80012.00 (Stereo & Mono. narrow neck 25" & 28" with big SMT)

X: Inserted - : Not inserted

Models without SP005

Use isolating mains transformer
 Utiliser un transformateur isolateur du secteur
 Einen Trenntrafo verwenden
 Utilizzare un trasformador aislador de red
 Utilizzare un trasformatore per isolarvi dalla rete

= value see DP 8... partlists
 ## : only some models

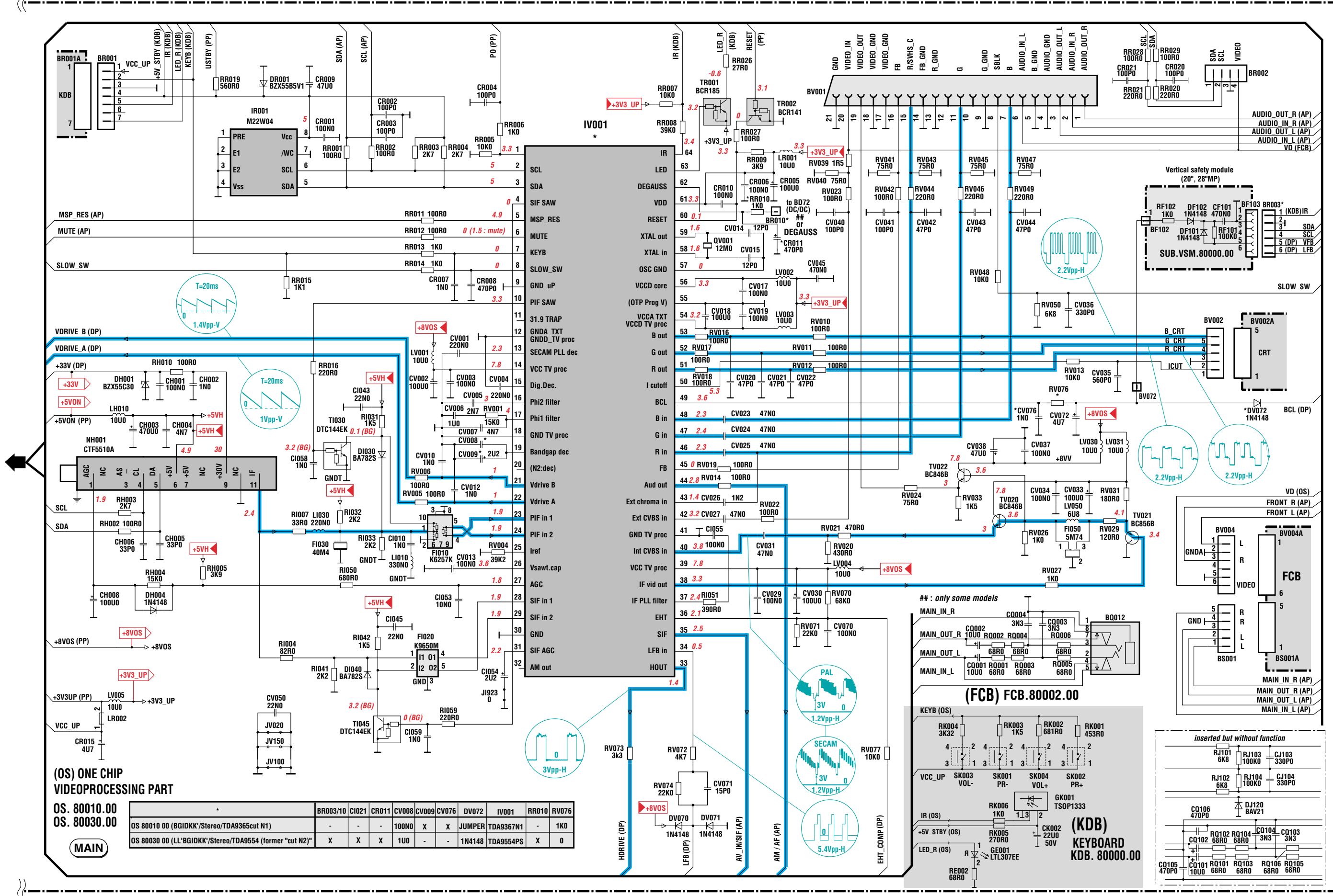
Part of board connected to mains supply.
 Partie du chassis reliée au secteur.
 Primärseite des Netzteils.
 Parte dello chassis collegata alla rete.
 Parte del chasis conectada a la red.

Note:
 Power Supply primary circuit measurements.
 - Use only (PGND) connection point.
 Attention:
 Mesure dans la partie primaire de l'alimentation
 - Utiliser la masse du bloc alimentation (PGND).
 Achtung:
 Bei Messungen im Primärnetzteil
 - Primärnetzteilmasse verwenden (PGND).
 Attenzione:
 misura nell'alimentatore primario
 - usare massa alimentazione primario (PGND).
 Cuidado:
 Medida en el bloque de alimentación
 - Utilizar la masa del bloque de alimentación (PGND).

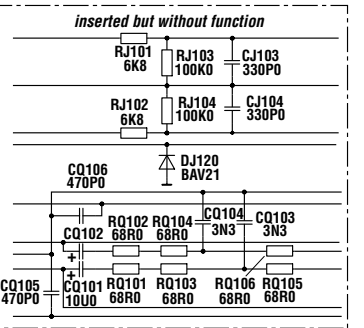
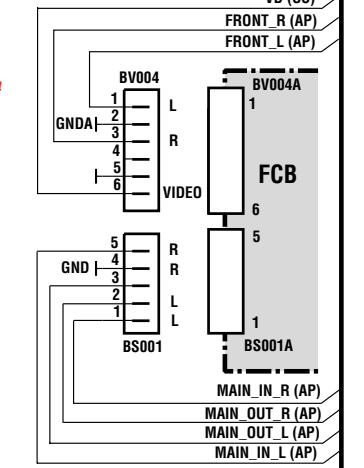
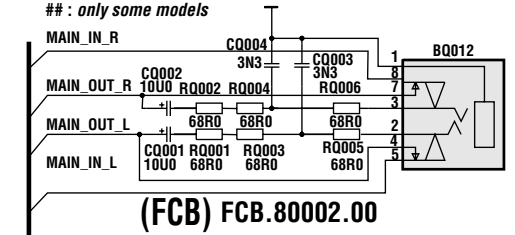
Indicates critical safety components, and identical components should be used for replacement. Only then can the operational safety be guaranteed.
 Le remplacement des éléments de sécurité (repérés avec le symbole Δ par des composants non homologués selon la Norme CEI 65 entraine la non-conformité de l'appareil. Dans ce cas, la responsabilité du fabricant n'est plus engagée.
 Wenn Sicherheitsteile (mit dem Symbol Δ gekennzeichnet) durch nicht normgerechte Teile ersetzt werden, erlischt die Haftung des Herstellers.

COMPLETE PCB DIAGRAM - SCHEMA PLATINE PRINCIPALE EQUIPEE - SCHALTUNG LEITERPLATTE KPL - SCHEMA PIASTRA COMPLETA - ESQUEMA PLATINA EQUIPADA

TX807 CS - Stereo



	BR003/10	CI021	CR011	CV008	CV009	CV076	DV072	IV001	RR010	RV076
OS 80010 00 (BGIDKK/Stereo/TDA9365cut N1)	-	-	-	100N0	X	X	JUMPER	TDA9367N1	-	1K0
OS 80030 00 (LL'BGIDKK/Stereo/TDA9554 (former "cut N2")	X	X	X	1U0	-	-	1N4148	TDA9554PS	X	0

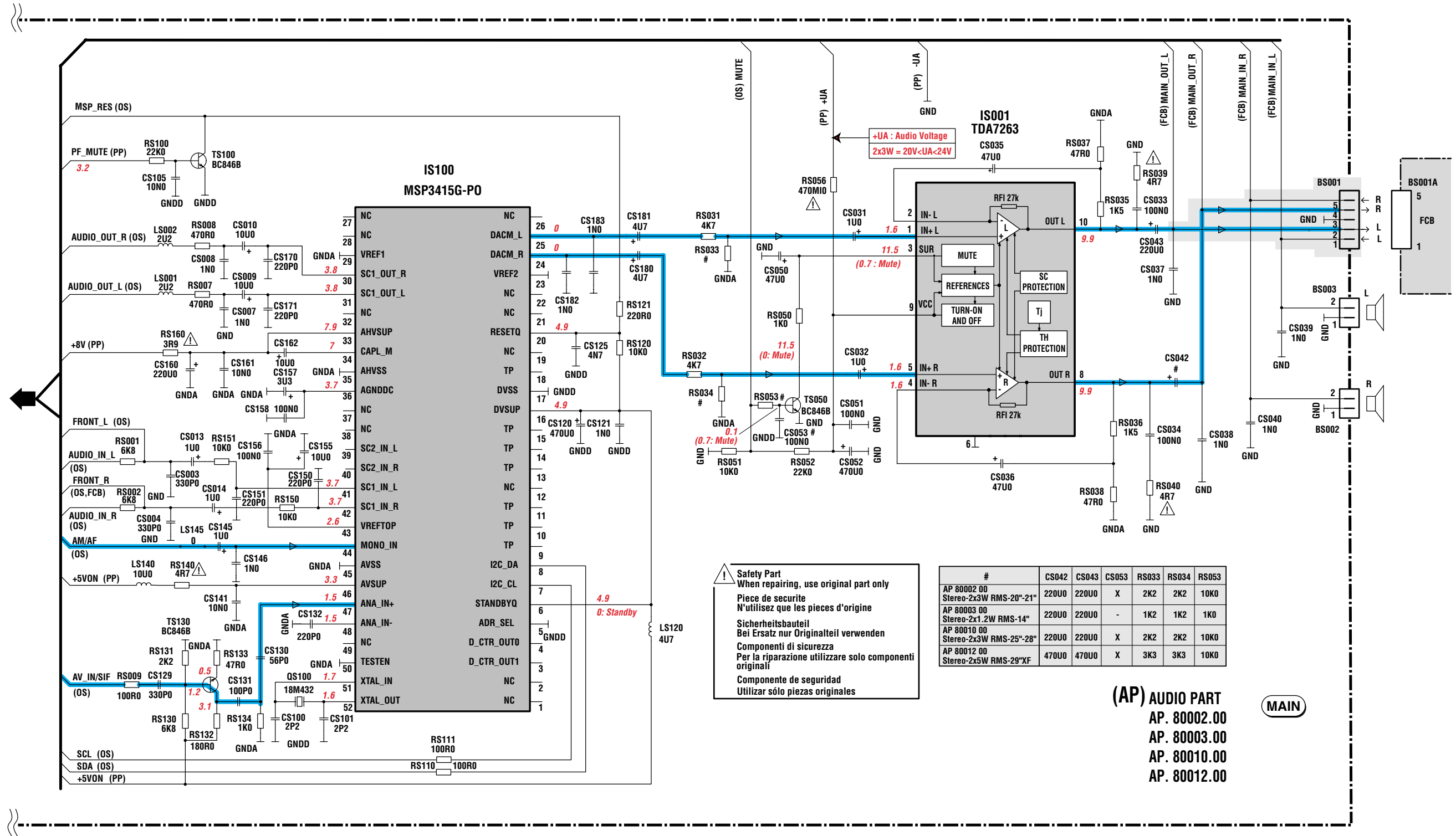


(OS) ONE CHIP VIDEOPROCESSING PART

OS. 80010.00
OS. 80030.00

MAIN

COMPLETE PCB DIAGRAM - SCHEMA PLATINE PRINCIPALE EQUIPEE - SCHALTUNG LEITERPLATTE KPL - SCHEMA PIASTRA COMPLETA - ESQUEMA PLATINA EQUIPADA
 STEREO AUDIO PART - TX807 CS



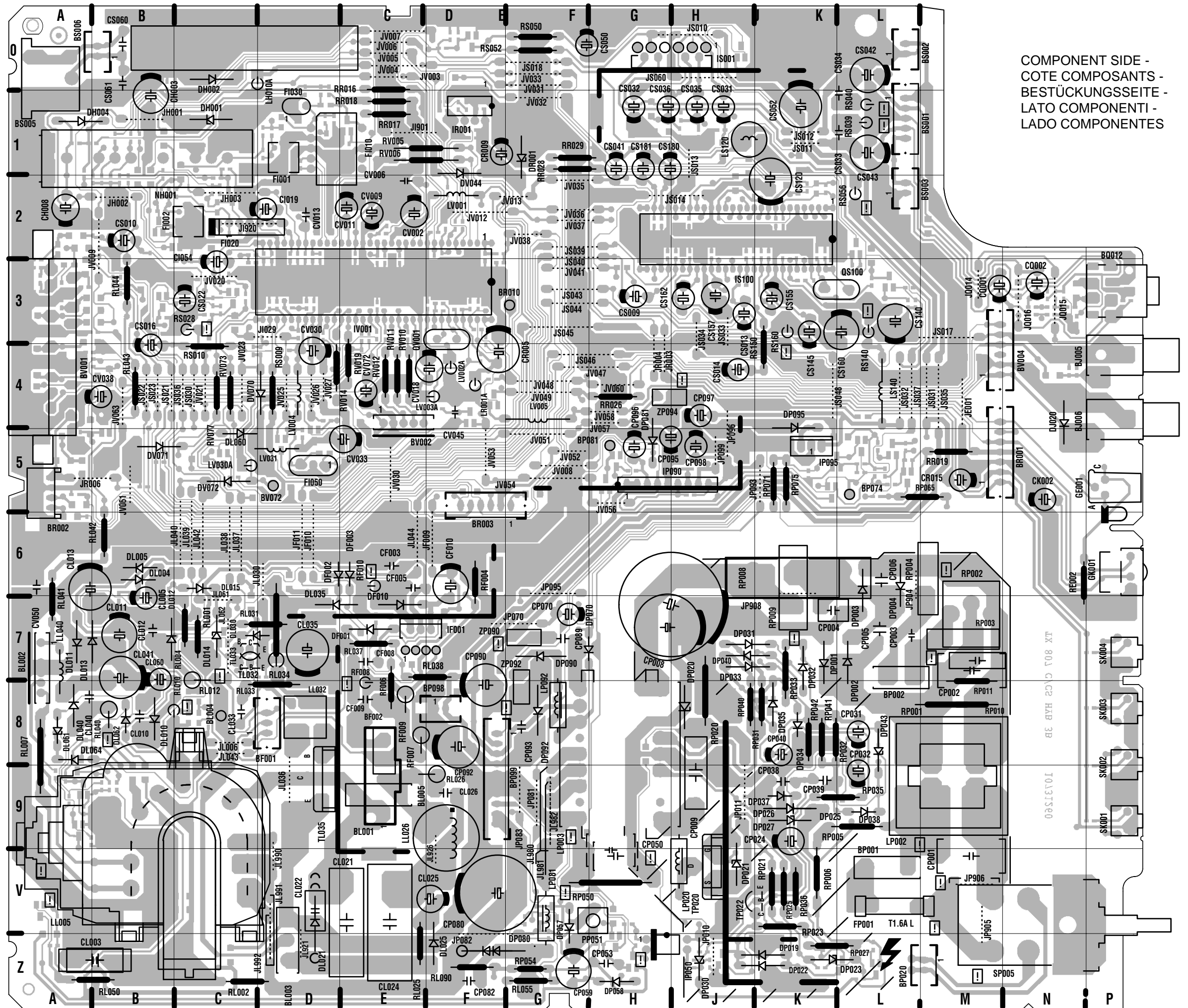
! Safety Part
 When repairing, use original part only
 Piece de securite
 N'utilisez que les pieces d'origine
 Sicherheitsbauteil
 Bei Ersatz nur Originalteil verwenden
 Componenti di sicurezza
 Per la riparazione utilizzare solo componenti originali
 Componente de seguridad
 Utilizar sólo piezas originales

#	CS042	CS043	CS053	RS033	RS034	RS053
AP 80002 00 Stereo-2x3W RMS-20"-21"	220U0	220U0	X	2K2	2K2	10K0
AP 80003 00 Stereo-2x1.2W RMS-14"	220U0	220U0	-	1K2	1K2	1K0
AP 80010 00 Stereo-2x3W RMS-25"-28"	220U0	220U0	X	2K2	2K2	10K0
AP 80012 00 Stereo-2x5W RMS-29"XF	470U0	470U0	X	3K3	3K3	10K0

(AP) AUDIO PART
 AP. 80002.00
 AP. 80003.00
 AP. 80010.00
 AP. 80012.00

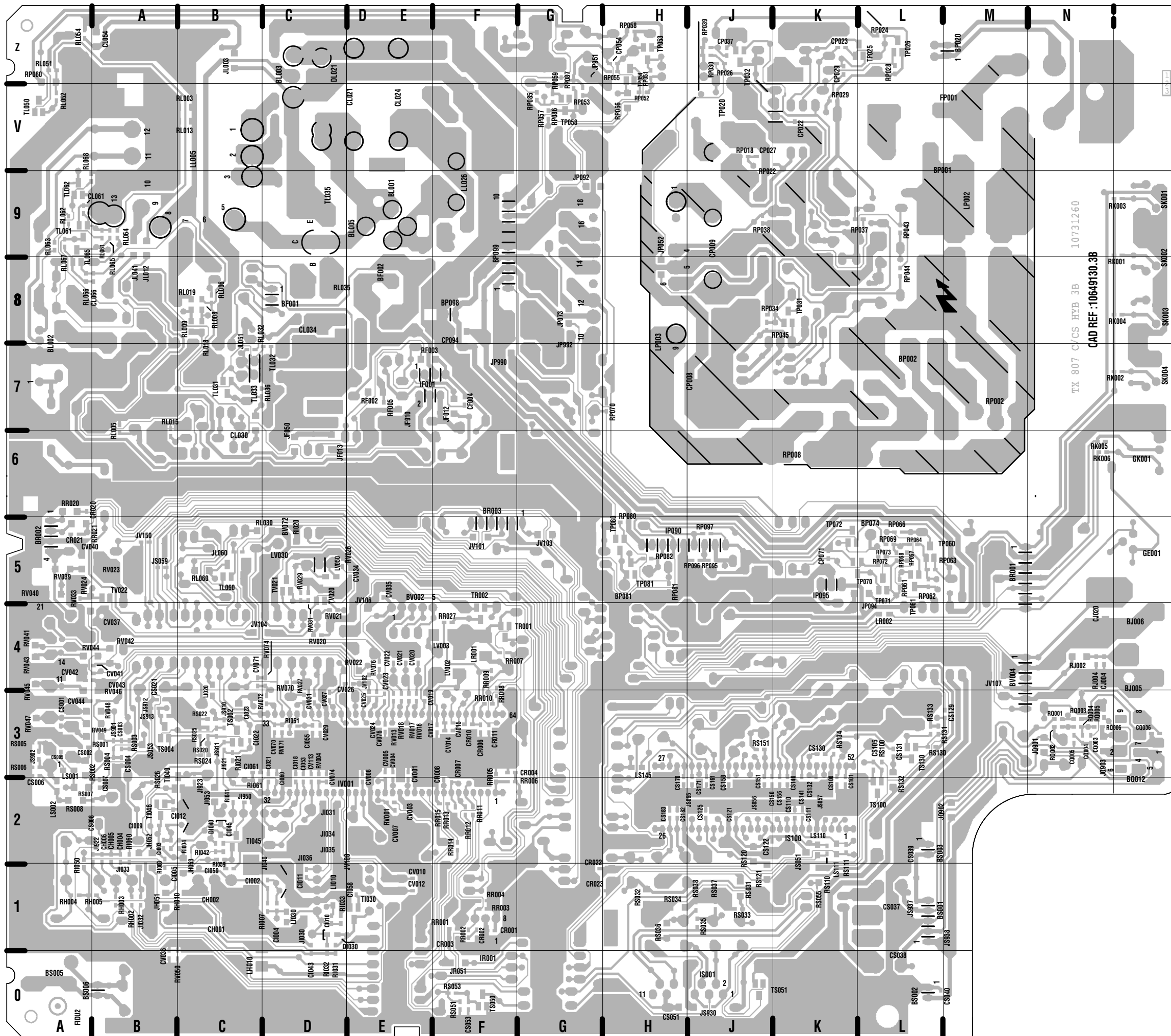
(MAIN)

MAIN BOARD - PLATINE PRINCIPALE - CHASSIS GRUNDPLATTE - PIASTRA PRINCIPALE - PLATINA PRINCIPAL



COMPONENT SIDE -
COTE COMPOSANTS -
BESTÜCKUNGSSEITE -
LATO COMPONENTI -
LADO COMPONENTES

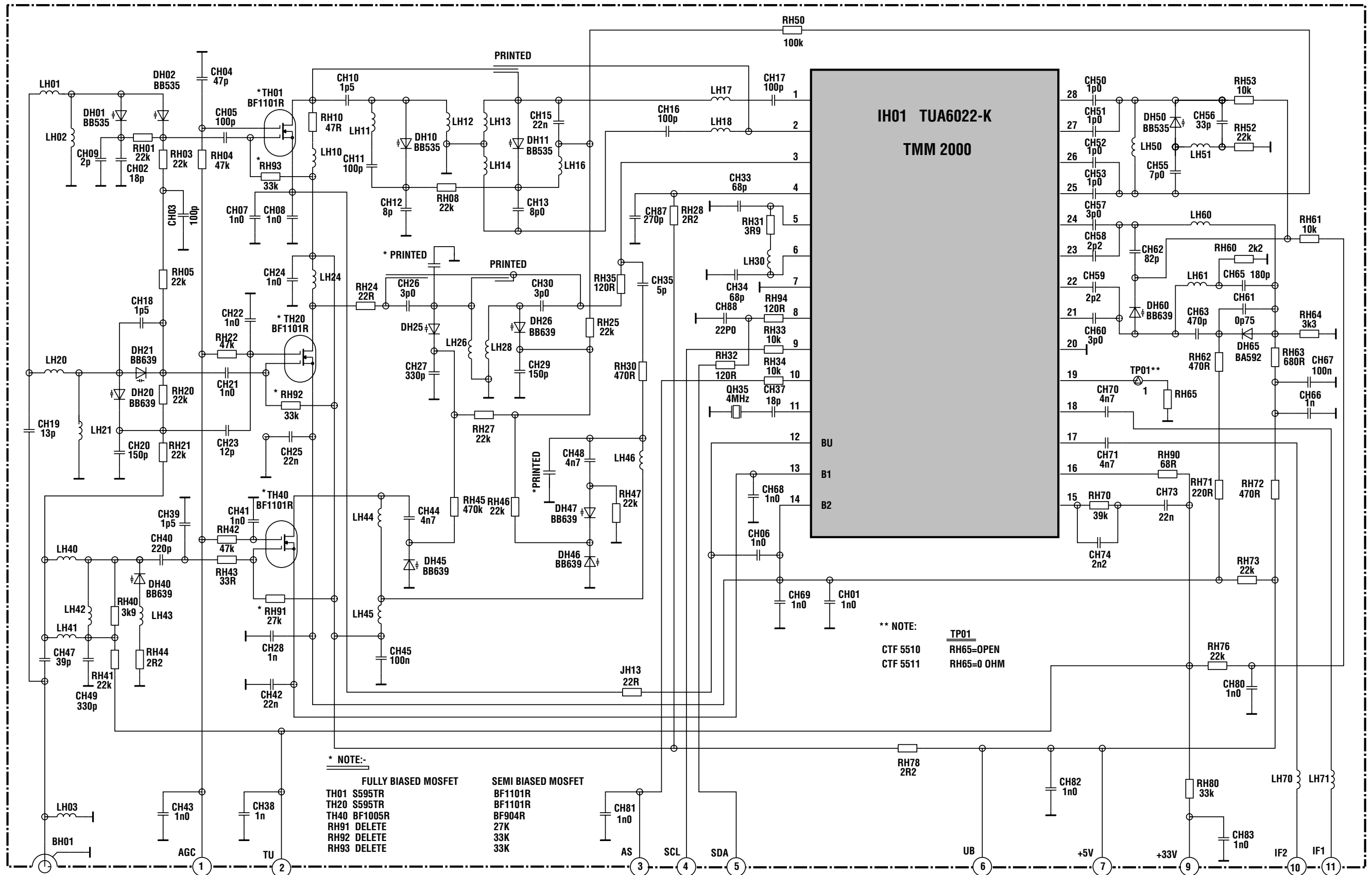
MAIN BOARD - PLATINE PRINCIPALE - CHASSIS GRUNDPLATTE - PIASTRA PRINCIPALE - PLATINA PRINCIPAL



SOLDER SIDE -
 CÔTE SOUDURES -
 LÖTSEITE -
 LATO SALDATURE -
 LADO SOLDADURAS

TX 807 C/CS HYB 3B
 10731260
 CAD REF : 10649130.3B

VHF / UHF TUNER CTF 5510A





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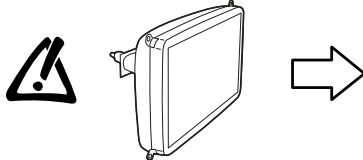
SABA

TELEFUNKEN

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PARTS LIST
LISTE PIECES DETACHEES
ERSATZTEILLISTE
LISTA PARTI DI RICAMBIO
LISTA DE PIEZAS DE REPUESTO

THOMSON
21DG170G
Chassis TX807CS



A51EFS13X701 ▶ **Version 1 : 21DG170G1**
A51AEZ43X02 ▶ **Version 2 : 21DG170G2**

21DG170G Version 1

MODULES

MAIN T807CF585022043 10695640



GK101	TSOP1333	25358570
IB001	TDA6107Q/N2	10659660
IF001	TDA9302H	20819860
IP050	TLP621 GR(D4-LF2 T)	△ 20827900
IP090	STV8130A	10683650
IP095	MC7805/ACT	46007400
IR001	M22W04/24WC04P/22C04W6	10456150
IS001	TDA7263	10281150
IS100	MSP3415D-PO-B3	10648130
IV001	TDA9554PS/N1/IVV2.20	10708910
ZP092	MP315	△ 10575090
ZP094	MP32	△ 25405650



TI030,045	DTC144EK SMD	16007030
TL031,062,	BC846B SMD	16006260
TP032,053,054,		
058,061,070,		
TS050,100,130,		
TV020,022		
TL032,TP022	BC337-40	45001466
TL035	ST1803DHI	25540540
TL035	S2055N	20578760
TL050,TP025,	BC856B SMD	16006310
026,031,060,		
TV021		
TL060	RN2417 SMD	25423180
TL061	RN1409 SMD	20688820

TP020	STP3NB90FP	25411640
TP071,TR001	BCR185 SMD	16006900
TP072,081,	RN1403(TE85L/R) SMD	20418400
TR002		
DB004	1N4004	44009009
DB030,031,050,	BAV21	44044407
051,070,071,		
DJ120,DP031,		
032		
DF002,003,	1N4148	44009209
DH004,DL004,		
005,015,030,		
060,DP022,033,		
034,035,037,		
038,040,057,		
058,070,DV070,		
071,072		
DF010,DL011,	1N4001	16008160
013,035,DP095		
DH001	BZX55B30	20475340
DI030,040	BA782S SMD	20542050
DL010,012,025,	RG10G	10459090
040,DP026		
DL014,DP030	BZX55C11	11073670
DP001,002,003,	BYW27-1000	10455390
004		
DP021,043	BZX55B16	11073430
DP023	BZX55C7V5	80444150
DP027	BZX55C27	60447870
DP080	FUF4005/MUR160	16009580
DP090,092	MUR120RL	25474830
DR001	BZX55B5V1/ZPD5V1 2%	44035702
GE101	LTL307/EE LED	16010330

FI010	OFWK6257K FOS	10545030
FI020	OFWK9650M FOS	10545440
FI030	40M4HZ	10664720
FI050	5M74HZ	20338170
QS100	18M432HZ	10334670
QV001	12M0HZ	25418130
LL040,LV001,	10UH	15039640
004,031		
LS140,LV005	10UH	13078280
PP051	470R0 OHM	10260350
DP081	330R0 OHM 5% 0,25W	15007800
RB001,004,	1K5 OHM 5% 0,50W	10121880
RL026		
RB013	10R0 OHM 10% 0,50W	15000160
RB031,051,071	560R0 OHM 10% 0,50W	10257590
RF004,006,	1K5 OHM 1% 0,25W	80437630
RK103		
RF007	1R21 OHM 1% 0,70W	13010820
RF008,010	1R5 OHM 5% 0,25W	△ 13063950
RK101	453R0 OHM 1% 0,250W	15018140
RK102	681R0 OHM 1% 0,25W	15020310
RK104	3K32 OHM 1% 0,25W	15017270
RL010	0R1 OHM 10% 0,40W	△ 15022510
RL012	0R22 OHM 5% 0,50W	△ 10305450

R : RECYCLED PART
: PIECE RECYCLEE
: AUSTAUSCHTEILE
: RICAMBIO RICICLATO
: MODULO REPROCESADO

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 Per precisazioni, contattate l'assistenza tecnica THOMSON multimedia
 Para cualquier pregunta, por favor contactar con el responsable de zona del servicio postventa de THOMSON multimedia

VERSION 1 03 / 2002 35191670
VERSION 2 03 / 2004

RL034	22R0 OHM 5% 2W	13001570
RL040	47R0 OHM 5% 0,35W	△ 20923340
RL090	95K3 OHM 1% 0,25W	15022230
RP002	18R0 OHM 220V PTC	△ 41398800
RP008	5R1 OHM 10% 2,50W	10472390
RP020	1R0 OHM 5% 2,50W	10383240
RP050	10M0 OHM 5% 0,70W	△ 20564520
RP054	68K1 OHM 1% 0,70W	10147740
RS039,040,140	4R7 OHM 5% 0,35W	△ 10226310
RS056	0R47 OHM 10% 0,40W	△ 15022650
RS160	3R9 OHM 5% 0,25W	△ 15009970



CB001	10N0F 3K0V	14036450
CB004	47N0F 5% 250V	40433080
CL003	10N0F 10% 100V	70427750
CL010,012,026,040,CP089	330P0F 20% 1K0V	14035270
CL021	8N3F 3.5% 1K6V	43389200
CL024	440N0F 5% 250V	43352100
CP001	100N0F 20% 275V	△ 40404090
CP003	68N0F 20% 250V	10256210
CP004	1N5F 10% 1K0V	20338740
CP005,006	4N7F 1K0V	10058740
CP008	100U0F 20% 400V	10658550
CP009,009	3N3F 20% 1K6V	10607950
CP050	2N2F 20% 400V	△ 10344870
CP082	1N0F 10% 500V	10546570
CV013	100N0F 5% 63V	10731350



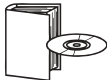
LL005	DSTLH27F	△ 10654690
LL026		△ 80367500
LL032	DRIVER	20936440
LP002		△ 20729750
LP003	SMT31/32	10757850
LP003	SMT17	△ 10674880

OTHER PARTS AUTRES PIECES SONSTIGE TEILE ALTRE PARTI OTRAS PIEZAS

BB005	CATHODE RAY TUBE SOCKET △ SUPPORT TUBE CATHODIQUE BILDROEHRENFASSUNG SUPPORTO TUBO CATODICO SOPORTE T.R.C	80298800
BJ110	CINCH SOCKET PRISE CINCH CINCH-BUCHSE PRESA CINCH TOMA CINCH	10037440
BQ112	HEADPHONE SOCKET PRISE CASQUE KOPFHUERERBUCHSE PRESA JACK TOMA JACK	20345310
BV001	SCART SOCKET PRISE PERITEL EURO-AV-BUCHSE EUROPRESA NORMALIZZATA EUROCONNECTOR	10362830
CH200	ON/OFF SWITCH MSB2000 △ CONTACTEUR MARCHE/ARRET MSB2000 EIN-AUS SCHALTER MSB2000 CONTATTORE ACCESO/ SPENTO MSB2000 CONTACTOR MARCHA/PARADA MSB2000	10276500
CJ100	THT CABLE 600MM △ CABLE THT 600MM KABEL THT 600MM CAVO THT 600MM CABLE THT 600MM	10562580
FP001	1A6T 250V TIME-LAG FUSE △ 1A6T 250V FUSIBLE TEMPORISE 1A6T 250V SICHERUNG 1A6T 250V FUSIBILE TEMPORIZZATO 1A6T 250V FUSIBILE TEMPORIZADO	48064700
NH001	CTF5510A UHF/VHF TUNER CTF5510A TETE UHF/VHF CTF5510A UHF/VHF TUNER CTF5510A TUNER UHF/VHF CTF5510A SINTONIZADOR UHF/VHF	21057080
SK101,102,103,104	MICROSWITCH MICRO CONTACTEUR MIKROSCHALTER MICROINTERRUTTORE MICROCONTACTOR	30011100

EQUIPMENT/PRESENTATION EQUIPEMENT/PRESENTATION AUSSTATTUNG/GEHAEUSE PARTI VARIE EQUIPO/PRESENTACION

FRONT PANEL AND BUTTON SI04TH FACADE ET TOUCHES SI04TH FRONTPLATTE UND TASTE SI04TH PANNELLO FRONTALE ET TASTO SI04TH PANEL FRONTAL Y TECLA SI04TH	25573850
REAR PANEL GY41TH DOS GY41TH RUECKWAND GY41TH PANNELLO POSTERIORE GY41TH TAPA POSTERIOR GY41TH	△ 25573860
JACK TRIM SI04TH ENJOLIVEUR PRISES SI04TH ZERRAHMEN BUCHSE SI04TH FINIZIONE PRESA SI04TH EMBELLECEDOR TOMA SI04TH	25573870
LED WINDOW GLACE LED LED FENSTER VETRO LED CRISTAL LED	25333240
CONTROL FLAP SI04TH VOLET DE COMMANDE SI04TH BEDIENTEILKLAPPE SI04TH SPORTELLO COMANDI SI04TH TAPA MANDOS SI04TH	25573900
LOGO THOMSON LOGO THOMSON SCHRIFZUG THOMSON MARCHIO THOMSON LOGOTIPO THOMSON	25381430
CHASSIS SUPPORT SUPPORT CHASSIS CHASSIS HALTER SUPPORTO CHASSIS SOPORTE CHASSIS	25382530
8R OHM 8W LOUDSPEAKER 50X90 8R OHM 8W HAUT PARLEUR 50X90 8R OHM 8W LAUTSPRECHER 50X90 8R OHM 8W ALTOPARLANTE 50X90 8R OHM 8W ALTAVOZ 50X90	10377680
ON/OFF SWITCH SUPPORT SUPPORT CONTACTEUR MARCHE/ARRET HALTER EIN-AUS SCHALTER SUPPORTO CONTATTORE ACCESO/SPENTO SOPORTO CONTACTOR MARCHA/PARADA	25425050
ON/OFF BUTTON SI04TH TOUCHE MARCHE/ARRET SI04TH EIN-AUS TASTE SI04TH TASTO ACCESO/SPENTO SI04TH TECLA MARCHA/PARADA SI04TH	25526760
POWER SUPPLY LEAD CORDON D'ALIMENTATION NETZKABEL CAVO DI ALIMENTAZIONE CABLE DE ALIMENTACION	△ 25452890
CABLE 460MM 20KV HT STRIPPED CABLE 460MM 20KV HT STRIPPED KABEL 460MM 20KV HT STRIPPED CAVO 460MM 20KV HT STRIPPED CABLE 460MM 20KV HT STRIPPED	△ 10369650
DEGAUSSING COIL BOBINE DE DEMAGNETISATION ENTMAGNETISIERUNGSSPULE BOBINA DI SMAGNETIZZAZIONE BOBINA DE DESMANTACION	△ 47320195
RCT100 REMOTE CONTROL RCT100 TELECOMMANDE RCT100 FERNBEDIENUNG RCT100 TELECOMANDO RCT100 TELEMANDO	10546340

FOLDING BOX EMBALLAGE CARTON KARTON IMBALLAGGIO CARTONE EMBALAJE CARTON	25380830		
FITTING UPPER CALE SUPERIEURE POLSTER OBEN Distanziatore inferiore CALZO SUPERIOR	25403360		
FITTING DOWNER CALE INFERIEURE POLSTER UNTEN Distanziatore inferiore CALZO INFERIOR	25403350		
MAINTENANCE TOOLS MAINTENANCE WERKZEUG FUER DAS GERAET UTENSILI DI MANUTENZIONE MANTENIMIENTO			
TX807C/CS 90D POWER SUPPLY REPAIR KIT TX807C/CS 90D KIT MAINTENANCE ALIM. TX807C/CS 90D NETZTEIL REPARATURSET TV TX807C/CS 90D KIT PER RIPARARE ALIM. TX807C/CS 90D KIT REPARACION ALIM.	35134120		
			
TX807C/CS SM PACK TX807C/CS SM PACK TX807C/CS SM PACK TX807C/CS SM PACK TX807C/CS SM PACK	35149830		
CDROM TX807/C/CS VERSION 4 CDROM TX807/C/CS VERSION 4 CDROM TX807/C/CS VERSION 4 CDROM TX807/C/CS VERSION 4 CDROM TX807/C/CS VERSION 4	35697200		
21DG170G PARTS LIST 21DG170G LISTE DE PIECES DETACHEES 21DG170G ERSATZTEILLISTE 21DG170G LISTA PARTI DI RICAMBIO 21DG170G LISTA DE PIEZAS DE REPUESTO	35191670		
TX807C/CS SERVICE MANUAL TX807C/CS DOC TECHNIQUE TX807C/CS TECHNISCHE DOKUMENTATION TX807C/CS DOCUMENTAZIONE TECNICA TX807C/CS DOCUMENTACION TECNICA	35110300		
TX807C/CS SERVICE MANUAL SUPPLEMENT N1 TX807C/CS DOC TECHNIQUE ADDITIF N1 TX807C/CS SECHNISCHE DOKUMENTATION ZUSAT N1 TX807C/CS DOCUMENTAZIONE ADDITIVO N1 TX807C/CS DOCUMENTACION ADITIVO N1	35141950		
TX807C/CS SERVICE MANUAL SUPPLEMENT N2 TX807C/CS DOC TECHNIQUE ADDITIF N2 TX807C/CS SECHNISCHE DOKUMENTATION ZUSAT N2 TX807C/CS DOCUMENTAZIONE ADDITIVO N2 TX807C/CS DOCUMENTACION ADITIVO N2	35191440		
TX807C/CS UM 15 LANGUAGES N2 TX807C/CS NU 15 LANGUAGES N2 TX807C/CS BA 15 LANGUAGES N2 TX807C/CS IU 15 LANGUAGES N2 TX807C/CS IU 15 LANGUAGES N2	50019620		

21DG170G

3/6

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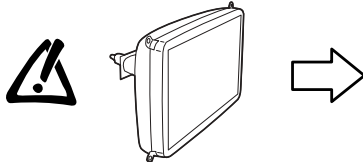
SABA

TELEFUNKEN

THOMSON

PARTS LIST
LISTE PIECES DETACHEES
ERSATZTEILLISTE
LISTA PARTI DI RICAMBIO
LISTA DE PIEZAS DE REPUESTO

THOMSON
21DG170G
Chassis TX807CS



A51EFS13X701

Version 1 : 21DG170G1

A51AEZ43X02

Version 2 : 21DG170G2

21DG170G Version 2

MODULES

MAIN T807CF581002013 10857390



GK001	TSOP1333	25358570
IB001	TDA6107Q/N2	10659660
IF001	TDA9302H	20819860
IP050	TLP621 GR(D4-LF2 T)	△ 20827900
IP090	STV8130	10658850
IP095	MC7805/ACT	46007400
IR001	M22W04/24WC04P/22C04W6	10456150
IS001	TDA7253	20203120
IV001	TDA9554PS/N1/1/0274	10649490
ZP092	MP315	△ 10575090
ZP094	MP32	△ 25405650



TI030,040,045	DTC144EK SMD	16007030
TL031,TP032, 053,054,061, 070, TS050,051, TV020,022	BC846B SMD	16006260
TL032,TP022	BC337-40	45001466
TL035	ST1803DHI	25540540
TL035	S2055N	20578760
TL050,TP025, 026,031,060, 080, TS004, TV021	BC856B SMD	16006310
TL060	RN2417 SMD	25423180
TL061,062	RN1409 SMD	20688820
TP020	STP3NB90FP	25411640

TP058,072,081, TR002	BCR141 SMD	16006890
TP071,TR001	BCR185 SMD	16006900
TS002	BC847C SMD	90618810



DB004	1N4004	44009009
DB030,031,050, 051,070,071, DJ020,DP031, 032	BAV21	44044407
DF002,DH004, DL004,005,015, 030,060, DP022, 033,034,035, 037,040,057, 058,070,081, DV070,071,072	1N4148	44009209
DF010,DL011, 013,035, DP095	1N4001	16008160
DH001	BZX55C30	80444170
DIO30,040	BA782S SMD	20542050
DL010,012,025, 040, DP026	RGP10G	10459090
DL014	BZX55B9V1 2%	70438220
DP001,002,003, 004	BYW27-1000	10455390
DP021,043	BZX55B16	11073430
DP023	BZX55C7V5	80444150
DP027	BZX55C27	60447870
DP030	BZX55C11	11073670
DP080	FUF4005/MUR160	16009580
DP090,092	MUR120	10564670
DR001	BZX55B5V1/ZPD5V1 2%	44035702
GE001	LTL307/EE LED	16010330



FI010	0FWK6257K FOS	10545030
FI020	0FWK9650M FOS	10545440
FI030	40M4HZ	10664720
FI050	5M74HZ	20338170
QV001	12M0HZ	25418130



PP051	470R0 OHM	10260350
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RB001,004, RL026	1K5 OHM 5% 0,50W	10121880
RB013	10R0 OHM 10% 0,50W	15000160
RB031,051,071	560R0 OHM 10% 0,50W	10257590
RF004,006	1K5 OHM 1% 0,25W	80437630
RF007	1R5 OHM 1% 0,70W	10451140
RF008	2R2 OHM 5% 0,25W	△ 15009870
RF010	1R5 OHM 5% 0,25W	△ 13063950
RI021	100K0 OHM 5% 0,625W	10135340
RL010	0R1 OHM 10% 0,40W	△ 15022510
RL012	0R22 OHM 5% 0,50W	△ 10305450
RL034	22R0 OHM 5% 2W	13001570
RL040	47R0 OHM 5% 0,35W	△ 20923340
RL090	95K3 OHM 1% 0,25W	15022230
RP002	18R0 OHM 220V PTC	△ 41398800
RP008	5R1 OHM 10% 2,50W	10472390
RP020	1R0 OHM 5% 2,50W	10383240
RP050	10M0 OHM 5% 0,70W	△ 10074320
RP054	68K1 OHM 1% 0,70W	10147740
RS028	18R0 OHM 5% 0,30W	△ 15009660
RS040	4R7 OHM 5% 0,35W	△ 10226310
RS056	0R47 OHM 10% 0,40W	△ 15022650

R : RECYCLED PART
: **PIECE RECYCLEE**
: **AUSTAUSCHTEILE**
: **RICAMBIO RICICLATO**
: **MODULO REPROCESADO**

For any requests, please contact THOMSON multimedia after sales service area
Pour toutes précisions, contactez votre service apres vente local THOMSON multimedia
Für weitere Auskünfte, wenden Sie sich bitte an die THOMSON multimedia Kundendienst
Per precisazioni, contattate l'assistenza tecnica THOMSON multimedia
Para cualquier pregunta, por favor contactar con el responsable de zona del servicio postventa de THOMSON multimedia

VERSION 1 03 / 2002 35191670
VERSION 2 03 / 2004

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CB001	10NOF 3KV	14036450
CI021	4.7NF 10% 50V	10138710
CL003	10NOF 5% 400V	10588870
CL010,012,026, 040,CP089,093	330POF 20% 1KV	14035270
CL021	8N3F 3.5% 1K6V	43389200
CL024	440NOF 5% 250V	43352100
CP001	100NOF 20% 275V	△ 10331520
CP004	1N5F 10% 1KV	20338740
CP005,006	4N7F 1KV	10058740
CP008	100UOF 20% 400V	10658550
CP009,009	3N3F 20% 1K6V	10607950
CP050	2N2F 20% 400V	△ 10344870
CP082	1NOF 10% 500V	10546570




LL005	DSTLH27FC	△ 10854760
LL026	48U5H	△ 10707320
LL032	DRIVER	20936440
LP002		△ 20729750
LP003	SMT31/32	△ 10757850
LP003	SMT17	△ 10674880

OTHER PARTS AUTRES PIECES SONSTIGE TEILE ALTRE PARTI OTRAS PIEZAS

BB005	CATHODE RAY TUBE SOCKET △ SUPPORT TUBE CATHODIQUE BILDROEHRNFASSUNG SUPPORTO TUBO CATODICO SOPORTE T.R.C	80298800
BJ005	CINCH SOCKET PRISE CINCH CINCH-BUCHSE PRESA CINCH TOMA CINCH	11007219
BJ006	CINCH SOCKET PRISE CINCH CINCH-BUCHSE PRESA CINCH TOMA CINCH	30909940
BQ012	HEADPHONE SOCKET PRISE CASQUE KOPFHUERERBUCHSE PRESA JACK TOMA JACK	20345310
BV001	SCART SOCKET PRISE PERITEL EURO-AV-BUCHSE EUROPRESA NORMALIZZATA EUROCONNECTOR	10362830
CH200	ON/OFF SWITCH MSB2000 △ CONTACTEUR MARCHE/ARRET MSB2000 EIN-AUS SCHALTER MSB2000 CONTATTORE ACCESO/ SPENTO MSB2000 CONTACTOR MARCHA/PARADA MSB2000	10276500
CJ100	THT CABLE 600MM △ CABLE THT 600MM KABEL THT 600MM CAVO THT 600MM CABLE THT 600MM	10562580
FP001	1A6T 250V TIME-LAG FUSE △ 1A6T 250V FUSIBLE TEMPORISE 1A6T 250V SICHERUNG 1A6T 250V FUSIBILE TEMPORIZZATO 1A6T 250V FUSIBLE TEMPORIZADO	48064700
NH001	CTF5510A UHF/VHF TUNER CTF5510A TETE UHF/VHF CTF5510A UHF/VHF TUNER CTF5510A TUNER UHF/VHF CTF5510A SINTONIZADOR UHF/VHF	21057080
SK001,002,003, 004	MICROSWITCH MICRO CONTACTEUR MIKROSCHALTER MICROINTERRUTTORE MICROCONTACTOR	30011100
SP005	ON/OFF SWITCH △ CONTACTEUR MARCHE/ARRET EIN-AUS SCHALTER CONTATTORE ACCESO/SPENTO CONTACTOR MARCHA/PARADA	25442860

EQUIPMENT/PRESENTATION EQUIPEMENT/PRESENTATION AUSSTATTUNG/GEHAEUSE PARTI VARIE EQUIPO/PRESENTACION

FRONT PANEL AND BUTTON SIO4TH FACADE ET TOUCHES SIO4TH FRONTPLATTE UND TASTE SIO4TH PANNELLO FRONTALE ET TASTO SIO4TH PANEL FRONTAL Y TECLA SIO4TH	25573850
REAR PANEL GY41TH DOS GY41TH RUECKWAND GY41TH PANNELLO POSTERIORE GY41TH TAPA POSTERIOR GY41TH	△ 25573860
JACK TRIM SIO4TH ENJOLIVEUR PRISES SIO4TH ZERRAHMEN BUCHSE SIO4TH FINIZIONE PRESA SIO4TH EMBELLECEDOR TOMA SIO4TH	25573870
LED WINDOW GLACE LED LED FENSTER VETRO LED CRISTAL LED	25333240
CONTROL FLAP SIO4TH VOLET DE COMMANDE SIO4TH BEDIENTEILKLAPPE SIO4TH SPORTELLO COMANDI SIO4TH TAPA MANDOS SIO4TH	25573900
LOGO THOMSON LOGO THOMSON SCHRIFZUG THOMSON MARCHIO THOMSON LOGOTIPO THOMSON	25381430
CHASSIS SUPPORT SUPPORT CHASSIS CHASSIS HALTER SUPPORTO CHASSIS SOPORTE CHASSIS	25382530
8R OHM 8W LOUDSPEAKER 50X90 8R OHM 8W HAUT PARLEUR 50X90 8R OHM 8W LAUTSPRECHER 50X90 8R OHM 8W ALTOPARLANTE 50X90 8R OHM 8W ALTAVOZ 50X90	10377680
ON/OFF SWITCH SUPPORT SUPPORT CONTACTEUR MARCHE/ARRET HALTER EIN-AUS SCHALTER SUPPORTO CONTATTORE ACCESO/SPENTO SOPORTO CONTACTOR MARCHA/PARADA	25425050
ON/OFF BUTTON SIO4TH TOUCHE MARCHE/ARRET SIO4TH EIN-AUS TASTE SIO4TH TASTO ACCESO/SPENTO SIO4TH TECLA MARCHA/PARADA SIO4TH	25526760
POWER SUPPLY LEAD CORDON D'ALIMENTATION NETZKABEL CAVO DI ALIMENTAZIONE CABLE DE ALIMENTACION	△ 25452890
CABLE 460MM 20KV HT STRIPPED CABLE 460MM 20KV HT STRIPPED KABEL 460MM 20KV HT STRIPPED CAVO 460MM 20KV HT STRIPPED CABLE 460MM 20KV HT STRIPPED	△ 10369650
A51AEZ43X02 CATHODE RAY TUBE A51AEZ43X02 TUBE CATHODIQUE A51AEZ43X02 FARBBILDROEHRE A51AEZ43X02 TUBO CATODICO A51AEZ43X02 T.R.C	20506930
DEGAUSSING COIL BOBINE DE DEMAGNETISATION ENTMAGNETISIERUNGSSPULE BOBINA DI SMAGNETIZZAZIONE BOBINA DE DESMANTACION	△ 47320195

RCT100 REMOTE CONTROL RCT100 TELECOMMANDE RCT100 FERNBEDIENUNG RCT100 TELECOMANDO RCT100 TELEMANDO	10546340		
FOLDING BOX EMBALLAGE CARTON KARTON IMBALLAGGIO CARTONE EMBALAJE CARTON	25380830		
FITTING UPPER CALE SUPERIEURE POLSTER OBEN DISTANZIATORE INFERIORE CALZO SUPERIOR	25403360		
FITTING DOWNNER CALE INFERIEURE POLSTER UNTEN DISTANZIATORE INFERIORE CALZO INFERIOR	25403350		
MAINTENANCE TOOLS			
MAINTENANCE			
WERKZEUG FUER DAS GERAET			
UTENSILI DI MANUTENZIONE			
MANTENIMIENTO			
TX807C/CS 90D POWER SUPPLY REPAIR KIT TX807C/CS 90D KIT MAINTENANCE ALIM. TX807C/CS 90D NETZTEIL REPARATURSET TV TX807C/CS 90D KIT PER RIPARARE ALIM. TX807C/CS 90D KIT REPARACION ALIM.	35134120		
			
TX807C/CS SM PACK TX807C/CS SM PACK TX807C/CS SM PACK TX807C/CS SM PACK TX807C/CS SM PACK	35149830		
TX807C/CS SERVICE MANUAL TX807C/CS DOC TECHNIQUE TX807C/CS TECHNISCHE DOKUMENTATION TX807C/CS DOCUMENTAZIONE TECNICA TX807C/CS DOCUMENTACION TECNICA	35110300		
TX807C/CS SERVICE MANUAL SUPPLEMENT N1 TX807C/CS DOC TECHNIQUE ADDITIF N1 TX807C/CS SECHNISCHE DOKUMENTATION ZUSAT N1 TX807C/CS DOCUMENTAZIONE ADDITIVO N1 TX807C/CS DOCUMENTACION ADITIVO N1	35141950		
TX807C/CS SERVICE MANUAL SUPPLEMENT N2 TX807C/CS DOC TECHNIQUE ADDITIF N2 TX807C/CS SECHNISCHE DOKUMENTATION ZUSAT N2 TX807C/CS DOCUMENTAZIONE ADDITIVO N2 TX807C/CS DOCUMENTACION ADITIVO N2	35191440		
CDROM TX807/C/CS VERSION 4 CDROM TX807/C/CS VERSION 4 CDROM TX807/C/CS VERSION 4 CDROM TX807/C/CS VERSION 4 CDROM TX807/C/CS VERSION 4	35697200		
21DG170G PARTS LIST 21DG170G LISTE DE PIECES DETACHEES 21DG170G ERSATZTEILLISTE 21DG170G LISTA PARTI DI RICAMBIO 21DG170G LISTA DE PIEZAS DE REPUESTO	35191670		
TX807C/CS UM 15 LANGUAGES N2 TX807C/CS NU 15 LANGUAGES N2 TX807C/CS BA 15 LANGUAGES N2 TX807C/CS IU 15 LANGUAGES N2 TX807C/CS IU 15 LANGUAGES N2	50019620		

21DG170G

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The description and characteristics given here are of informative significance only, and non committal. To keep up the high quality of our products, we reserve the right to make any changes or improvement without previous notice. • Les descriptions et caractéristiques figurant sur ce document sont données à titre d'information et non d'engagement. En effet, soucieux de la qualité de nos produits, nous nous réservons le droit d'effectuer, sans préavis, toute modification ou amélioration. • Die Beschreibungen und Daten in dieser Anleitung dienen nur zur Information und sind nicht bindend. Um die Qualität unserer Produkte ständig zu verbessern, behalten wir uns das Recht auf Änderungen vor. • Le descrizioni e le caratteristiche date su questo documento sono fornite a semplice titolo informativo e senza impegno. Ci riserviamo il diritto di eseguire, senza preavviso, qualsiasi modifica o miglioramento. • Las descripciones y características que figuran en este documento se dan a título de información y no de compromiso. En efecto, en bien de la calidad de nuestros productos, nos reservamos el derecho de efectuar, sin previo aviso, cualquier modificación o mejora.

INFORMATION - INFORMATIONS - INFORMATIONEN - INFORMAZIONE - INFORMACIONES

EN

OUT OF PRODUCTION MODE :

To set TV into "out of production mode" (letter **P** at the screen):

- Press the **VOL** - button on the TV keyboard until the letter "P" disappears.

FR

SORTIE DE MODE PRODUCTION

Pour sortir le téléviseur du mode production (lettre P à l'écran):

- Appuyer sur la touche **VOL**- du clavier du téléviseur jusqu'a la disparition de la lettre "P" .

DE

VERLASSEN DES PRODUKTIONSMODE:

"**Lautstärke** -" am Nahbedienfeld drücken bis der Cursor am linken Anschlag ist und dann noch weitere ca. 10 s halten bis das eingeblendete "**P**" verschwindet.

IT

USCITA DA PRODUCTION MODE:

Per uscire dalla condizione " **Production mode**" (lettera P presente sullo schermo)

- Premere il tasto-volume sulla tastiera comandi del TV fino a che la lettera "**P**" scompare.

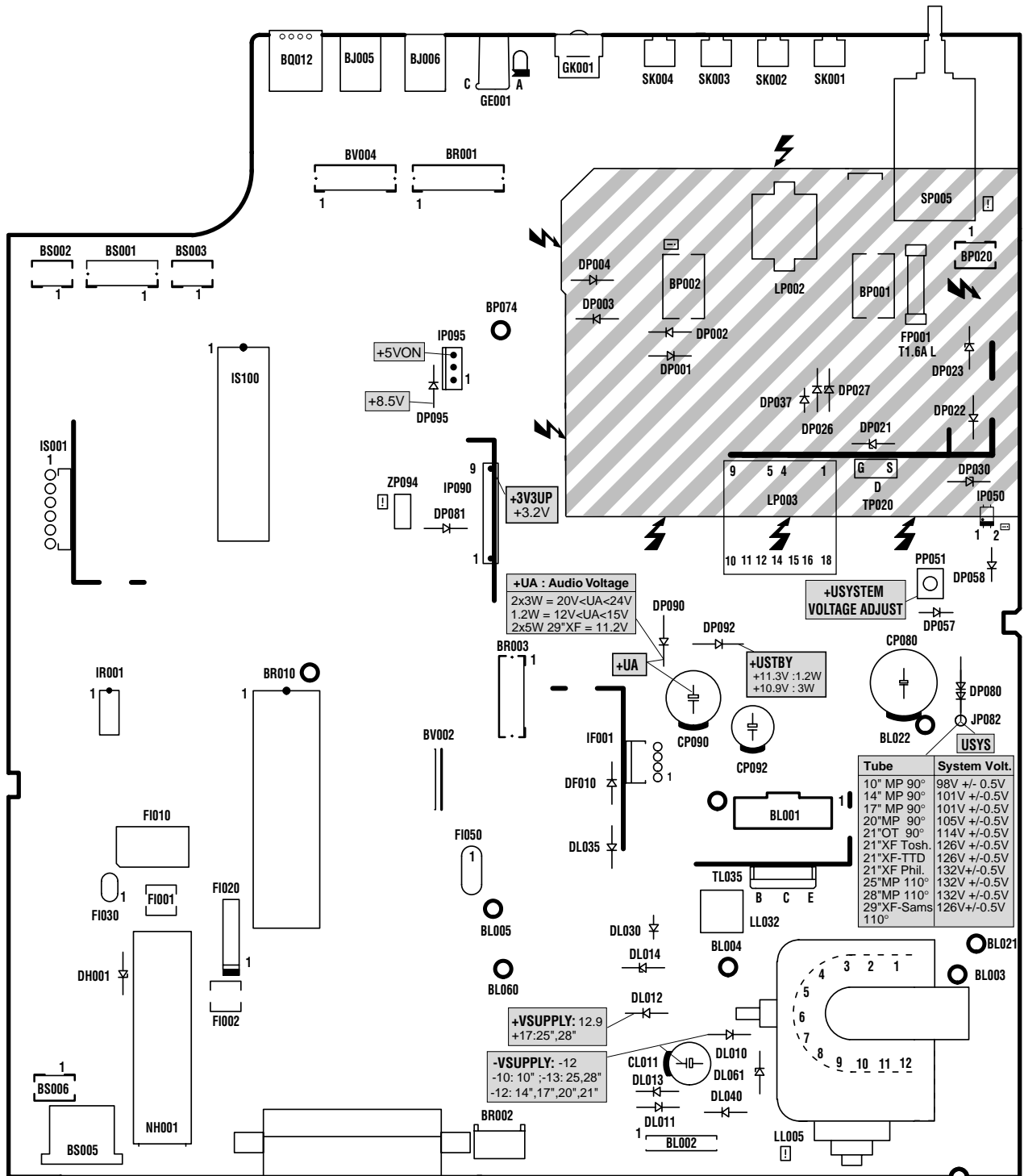
ES


SALIDA DEL MODO PRODUCCION.


Para salir del '**modo producción**', (aparece una letra **P** en la pantalla):

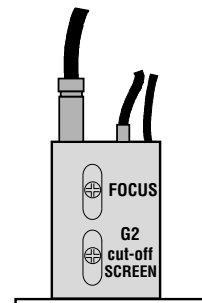
- Mantener pulsada la tecla "**Volumen** -" del teclado hasta que la letra "**P**" desaparezca.

LOCATION OF CONTROLS - EMBLACEMENT DES REGLAGES - SERVICE LAGEPLAN - POSIZIONE REGOLATORI DI SERVIZIO - SITUACIÓN DE LOS AJUSTES

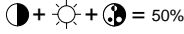
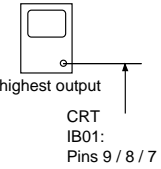
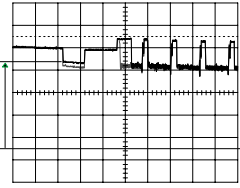


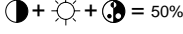

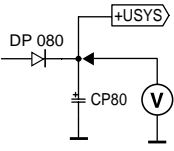


 Part of board connected to mains supply.
Partie du châssis reliée au secteur.
Primärseite des Netzteils.
Parte dello châssis collegata alla rete.
Parte del chasis conectada a la red

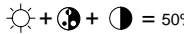




 Use isolating mains transformer -
Utiliser un transformateur isolateur du secteur -
Trenntrafo verwenden -
Utilizar un transformador aislador de red -
Utilizzare un trasformatore per isolarvi dalla rete



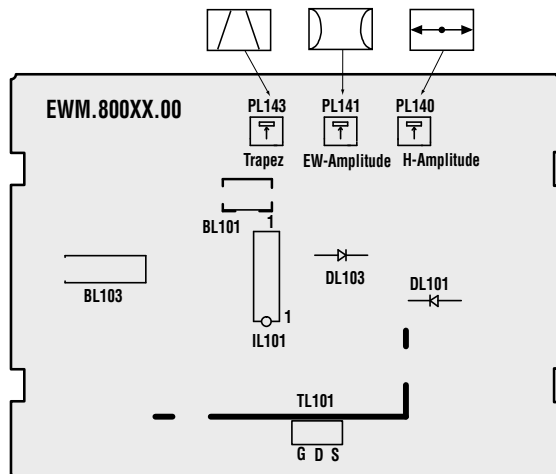
ADJUSTMENTS - REGLAGES - EINSTELLUNGEN - REGOLAZIONE - AJUSTES

U G2 / CUTOFF	LL005 SCREEN	Peak white pattern  = 50%	 <p>highest output CRT IB01: Pins 9 / 8 / 7</p>		<table border="1"> <thead> <tr> <th>Tube</th> <th>V Cutt-off</th> </tr> </thead> <tbody> <tr><td>10" MP 90°</td><td>125V +/- 3V</td></tr> <tr><td>14" MP 90°</td><td>125V +/- 3V</td></tr> <tr><td>17" MP 90°</td><td>125V* +/- 3V</td></tr> <tr><td>20" MP 90°</td><td>125V* +/- 3V</td></tr> <tr><td>21" MP 90°</td><td>125V* +/- 3V</td></tr> <tr><td>21" OT 90°</td><td>125V* +/- 3V</td></tr> <tr><td>21" XF-Toshiba</td><td>125V* +/- 3V</td></tr> <tr><td>21"XF - TTD</td><td>125V* +/- 3V</td></tr> <tr><td>21"XF - Philips</td><td>125V* +/- 3V</td></tr> <tr><td>25" MP-TTD 110°</td><td>125V* +/- 3V</td></tr> <tr><td>28" MP-TTD 110°</td><td>125V* +/- 3V</td></tr> <tr><td>29" XF- Samsung</td><td>125V* +/- 3V</td></tr> </tbody> </table> <p>*V Cutt-off = 140V with new version IV001: TDA9554PS/N1E/V2.30</p>	Tube	V Cutt-off	10" MP 90°	125V +/- 3V	14" MP 90°	125V +/- 3V	17" MP 90°	125V* +/- 3V	20" MP 90°	125V* +/- 3V	21" MP 90°	125V* +/- 3V	21" OT 90°	125V* +/- 3V	21" XF-Toshiba	125V* +/- 3V	21"XF - TTD	125V* +/- 3V	21"XF - Philips	125V* +/- 3V	25" MP-TTD 110°	125V* +/- 3V	28" MP-TTD 110°	125V* +/- 3V	29" XF- Samsung	125V* +/- 3V																																		
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(MAIN) SYSTEM VOLTAGE +USYS	PP051	TV to AV : Black tes pattern  = 50% AV 		<table border="1"> <thead> <tr> <th>Tube</th> <th>Usys</th> <th>RL090</th> <th>JL981-982</th> <th>JL991-992</th> </tr> </thead> <tbody> <tr><td>10" MP 90°</td><td>98V +/- 0.5V</td><td>76k8</td><td>JL981</td><td>JL992</td></tr> <tr><td>14" MP 90°</td><td>101V +/-0.5V</td><td>76k8</td><td>JL982</td><td>JL992</td></tr> <tr><td>17" MP 90°</td><td>101V +/-0.5V</td><td>76k8</td><td>JL982</td><td>JL991</td></tr> <tr><td>20"MP 90°</td><td>105V +/-0.5V</td><td>86k6</td><td>JL981</td><td>JL992</td></tr> <tr><td>21"OT 90°</td><td>114V +/-0.5V</td><td>95k3</td><td>JL982</td><td>JL992</td></tr> <tr><td>21"XF-Toshiba 90°</td><td>126V +/-0.5V</td><td>121K</td><td>JL981</td><td>JL992</td></tr> <tr><td>21"XF-TTD 90°</td><td>126V +/-0.5V</td><td>121K</td><td>JL991</td><td>JL992</td></tr> <tr><td>21" XF-Philips 90°</td><td>132V +/-0.5V</td><td>127K</td><td>JL982</td><td>JL992</td></tr> <tr><td>25"MP-TTD 110°</td><td>132V +/-0.5V</td><td>127K</td><td>JL982</td><td>JL992</td></tr> <tr><td>28"MP-TTD 110°</td><td>132V +/-0.5V</td><td>127K</td><td>JL982</td><td>JL992</td></tr> <tr><td>29"XF Samsung 90°</td><td>126V +/-0.5V</td><td>121K</td><td>JL982</td><td>JL992</td></tr> </tbody> </table>		Tube	Usys	RL090	JL981-982	JL991-992	10" MP 90°	98V +/- 0.5V	76k8	JL981	JL992	14" MP 90°	101V +/-0.5V	76k8	JL982	JL992	17" MP 90°	101V +/-0.5V	76k8	JL982	JL991	20"MP 90°	105V +/-0.5V	86k6	JL981	JL992	21"OT 90°	114V +/-0.5V	95k3	JL982	JL992	21"XF-Toshiba 90°	126V +/-0.5V	121K	JL981	JL992	21"XF-TTD 90°	126V +/-0.5V	121K	JL991	JL992	21" XF-Philips 90°	132V +/-0.5V	127K	JL982	JL992	25"MP-TTD 110°	132V +/-0.5V	127K	JL982	JL992	28"MP-TTD 110°	132V +/-0.5V	127K	JL982	JL992	29"XF Samsung 90°	126V +/-0.5V	121K	JL982	JL992
Tube	Usys	RL090	JL981-982	JL991-992																																																													
10" MP 90°	98V +/- 0.5V	76k8	JL981	JL992																																																													
14" MP 90°	101V +/-0.5V	76k8	JL982	JL992																																																													
17" MP 90°	101V +/-0.5V	76k8	JL982	JL991																																																													
20"MP 90°	105V +/-0.5V	86k6	JL981	JL992																																																													
21"OT 90°	114V +/-0.5V	95k3	JL982	JL992																																																													
21"XF-Toshiba 90°	126V +/-0.5V	121K	JL981	JL992																																																													
21"XF-TTD 90°	126V +/-0.5V	121K	JL991	JL992																																																													
21" XF-Philips 90°	132V +/-0.5V	127K	JL982	JL992																																																													
25"MP-TTD 110°	132V +/-0.5V	127K	JL982	JL992																																																													
28"MP-TTD 110°	132V +/-0.5V	127K	JL982	JL992																																																													
29"XF Samsung 90°	126V +/-0.5V	121K	JL982	JL992																																																													

EAST-WEST MODULE - MODULE EST-OUEST - OST-WEST-MODUL - MODULO EST-OVEST - MODULO ESTE-OESTE

GEOMETRY	TV : AV1 Test pattern Standard TV - Settings :  = 50%		Correct picture
(EWM)	PL140 PL141 PL143 SERVICE MODE	<p>(EN) - Please refer to geometry Mode alignment (110° tube) , page 6, to adjust the East West Module (EWM).</p> <p>(FR) - Se référer à la méthode d'alignement des géométries (tubes 110°), page 6 pour effectuer les réglages du Module Est-Ouest (EWM).</p> <p>(DE) - Abgleich des Ost-West-Modules: Siehe Geometrie-Abgleich (110°), Seite 6.</p> <p>(IT) - Per le regolazioni del Modulo Est-Ovest fare riferimnto al modo allineamento geometria (tubi 110°), pagina 6.</p> <p>(ES) - Para los ajustes del módulo Este-Oeste (EWM) ver la página 6, modo ajuste geometría (tubo 110°)</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>PL140</p>  </div> <div style="text-align: center;"> <p>PL141</p>  </div> <div style="text-align: center;"> <p>PL143</p>  </div> </div>	

LOCATION OF CONTROLS - EMBLACEMENT DES REGLAGES - LAGEPLAN EINSTELLER - POSIZIONE REGOLATORI DI SERVIZIO - SITUACIÓN DE LOS AJUSTES



SERVICE-MODE



It is necessary to enter the Service Mode in order to carry out alignment of the TV set. Most adjustments can be made with the RCU, except the Focus and Screen voltages.

1. Service Mode Access

- 1.1 With the RCU, switch the TV set into the "**Standby**" mode.
- 1.2 Switch "**Off**" the TV set by mains supply switch (wait until LED is dark).
- 1.3 Whilst pressing the "**Magenta** (text)" button on the RCU switch "**On**" the TV set using the mains switch.
Continue to press the "**Magenta** (text)" button until the Service-setup Sub-menu appears.

ID 00.07	(1)
INIT	(2)
STANDARD 00 0-03	(3)

2. Service Menu

2.1 Navigation

- Press the buttons to select the menu line.
- Press the buttons to make adjustments or selection of a menu item.

2.2 Service-Menu lines

Set-up lines (INIT,STANDARD,OSDCONTR) -
Geometry lines (HS,VS, VA, SC,VSH)
Video lines (CL, BLORS/BLORP,BLOGS/BLOGP,WPRS/WPRP,WPGS/WPGP, WPBS/WPBP, PWS/PWP, BKS, YD) -
IF lines (TOP) -
Video processor (CD0, CD1, SYN0, SYN1, DEF,VI0,VI1,SOUND,CONTO, CONT1,FEAT0).

2.3 Activation of a line :

The first line (1) is continuously displayed. Sequential selection of the others lines in the Service Menu is possible by pressing the buttons on the RCU. The selected line will be highlighted in YELLOW text.

3. Alignment and storing new function value

- 3.1 The current value of the selected function is displayed in a hexadecimal form to the right of the function name. This value is adjusted by means of the RCU buttons.
- 3.2 The values will be stored in the non-volatile memory when leaving the service menu.
- 3.3 To leave the Service menu press the "**Exit**" button on the RCU.

4. Temporary exit from Service Mode

- 4.1 To temporary leave the Service Mode, press the "**Exit**" button on the RCU. To access the everyday menus, press the "**Menu**" button on the RCU.
- 4.2 To return to the Service Menu, press the "**Magenta**" button on the RCU

5. Leaving the Service Mode

- 5.1 To **EXIT** the Service Menu either press, the "**Standby**" button on the RCU or switch "**Off**" the mains supply to the TV.

MODE SERVICE



Le mode service sert au réglage de l'appareil. Toutes les opérations de réglage s'effectuent à l'aide de la télécommande (sauf les réglages de Focus et de tension de grille-écran).

1. Accès au mode service

- 1.1 Commuter le téléviseur en position de veille avec la télécommande.
- 1.2 Eteindre le téléviseur par l'interrupteur secteur (attendre l'extinction complète du voyant).
- 1.3 Maintenir la touche "**Magenta** (text)" enfoncée et mettre simultanément le téléviseur en marche avec l'interrupteur secteur.
Ne pas relâcher la touche "**Magenta** (text)" jusqu'à apparition du menu

ID 00.07	(1)
INIT	(2)
STANDARD 00 0-03	(3)

2. Menu Service

2.1 Déplacement

- Appuyer sur la touche pour sélectionner une ligne de menu.
- Appuyer sur la touche pour un réglage ou une sélection d'une option.

2.2 Lignes de Menus du mode service

Set-up lines (INIT,STANDARD,OSDCONTR) -
Geometry lines (HS,VS, VA, SC,VSH)
Video lines (CL, BLORS/BLORP,BLOGS/BLOGP,WPRS/WPRP,WPGS/WPGP, WPBS/WPBP, PWS/PWP, BKS, YD) -
IF lines (TOP) -
Video processor (CD0, CD1, SYN0, SYN1, DEF,VI0,VI1,SOUND,CONTO, CONT1,FEAT0).

2.3 Sélection d'une ligne:

La première ligne (1) du menu est toujours affichée. De courtes pressions sur la touche "" sélectionnent séquentiellement les lignes (2) ou (3) du menu de service. La ligne activée est de couleur jaune.

3. Réglage des fonctions sélectionnées; mémorisation

- 3.1 La valeur momentanée de la fonction sélectionnée est indiquée sous forme hexadécimale à droite, à coté de la position à régler et peut être modifiée avec la télécommande par la touche .
- 3.2 La valeur de réglage est mémorisée dans la mémoire non volatile en sortie de mode service.
- 3.3 Appuyer sur la touche "**Exit**" pour sortir d'un sous-menu.

4. Sortie temporaire du mode service

- 4.1 Utiliser la touche "**Exit**" de la télécommande. Le menu utilisateur peut-être accessible via la touche "**Menu**".
- 4.2 Pour entrer à nouveau dans le Menu Setup utiliser la touche magenta.

5. Sortie du mode service

- 5.1 Pour sortir du mode service, commuter le téléviseur en position de veille ou le mettre hors service par l'interrupteur secteur.

SERVICE-MODE



Der Service-Mode wird für den Geräteabgleich benötigt. Alle Einstellungen erfolgen mit der Fernbedienung (bis auf Fokuseinstellung und Schirmgitterspannung).

1.Service-Mode einschalten

- 1.1 Mit der Fernbedienung das Fernsehgerät in Stand-by schalten.
- 1.2 Das Gerät mit dem Netzschalter ausschalten (warten bis LED dunkel ist)
- 1.3 Während Sie die margentafarbene Taste (**text**) auf der Fernbedienung gedrückt halten, schalten Sie das Gerät mit dem Netzschalter ein. Halten Sie die margentafarbene Taste solange gedrückt bis das Service Setup Sub-Menü erscheint.

ID 00.07	(1)
INIT	(2)
STANDARD 00 0-03	(3)

2. Service Menü

2.1 Navigation

- Drücken Sie die Tasten zum Auswählen der Menüzeile.
- Drücken Sie die -Tasten um eine Menüfunktion anzuwählen oder abzugleichen.

2.2 Service-Menü Zeilen

Set-up lines (INIT,STANDARD,OSDCONTR) -
Geometry lines (HS,VS, VA, SC,VSH)
Video lines (CL, BLORS/BLORP,BLOGS/BLOGP,WPRS/WPRP,WPGS/WPGP, WPBS/WPBP, PWS/PWP, BKS, YD) -
IF lines (TOP) -
Video processor (CD0, CD1, SYN0, SYN1, DEF,VI0,VI1,SOUND,CONTO, CONT1,FEAT0).

2.3 Aktivierung einer Menüzeile:

Die erste Zeile (1) wird ständig angezeigt. Die Anwahl der Zeilen (2) und (3) im Service-Menü ist durch Drücken der - Tasten möglich. Die gewählte Zeile wird in gelber Farbe dargestellt.

3. Abgleich der gewählten Funktion und Speichern

- 3.1 Der momentane Wert der gewählten Funktion wird hexadezimal rechts neben der abzugleichenden Position angegeben und kann mit der Taste auf der Fernbedienung verändert werden.
- 3.2 Die Werte werden nach dem Verlassen des Service-Menüs im nichtflüchtigen Speicher (EEPROM) abgelegt.
- 3.3 Drücken Sie "**Exit**" zum Verlassen eines Service Sub-Menüs.

4. Vorübergehendes verlassen des Service-Mode

- 4.1 Auf der Fernbedienung Exit drücken. Mit der Tasten Menü gelangen Sie zum Menü-Übersicht.
- 4.2 Durch Drücken der margentafarbenen Taste gelangen Sie in das Service Setup Sub-Menü.

5. Service-Mode verlassen

- 5.1 Zum Verlassen des Service-Mode das Gerät in Stand By schalten oder mit dem Netzschalter ausschalten.

MODO SERVICIO



Se necesita el MODO SERVICIO para ajustar el aparato. Todos los ajustes se hacen con el mando a distancia (a excepción de la tensión del sistema, los ajustes del foco y las tensiones de la rejilla de pantalla).

1. Ajustar el Modo Servicio

- 1.1 Con el mando a distancia conectar a STANDBY el televisor.
- 1.2 Desconectar el aparato con el interruptor de la red (esperar hasta que el LED se apague).
- 1.3 Mientras mantiene pulsado el botón "**Magenta** (texto)" de la UCR, pulse el interruptor general de red para encender el televisor. Mantenga pulsado el botón "**Magenta** (texto)" hasta que aparezca el submenú de la configuración del servicio.

ID 00.07	(1)
INIT	(2)
STANDARD 00 0-03	(3)

2. Menú Servicio.

- 2.1 Desplazamiento
 - Pulse el botón para seleccionar la línea del menú.
 - Pulse el botón para ajustar o seleccionar una opción del menú.

SERVICE-MODE



Il Service-Mode è necessario per l'allineamento dell'apparecchio. Tutte le regolazioni si effettuano con il telecomando. (tranne le regolazioni del fuoco e le tensioni della griglia schermo).

1. Attivazione del Service-Mode

- 1.1 Commutare il televisore in stand-by con il telecomando.
- 1.2 Spegner l'apparecchio con l'interruttore di rete (attendere finché il LED è spento)
- 1.3 Mentre tenete premuto il pulsante "**Magenta** (testo)" del RCU, accendete il televisore utilizzando l'interruttore di rete. Continuate a premere il pulsante "**Magenta** (testo)" del RCU fino all'apparizione del Service Setup Sub Menu

ID 00.07	(1)
INIT	(2)
STANDARD 00 0-03	(3)

2. Service Menu

2.1 Navigazione

- Premere i tasti per selezionare la linea del menu
- Premere i tasti per la regolazione o la selezionz di un elemento del menu

2.2 Linee Service Menu

Set-up lines (INIT,STANDARD,OSDCONTR) -
Geometry lines (HS,VS, VA, SC,VSH)
Video lines (CL, BLORS/BLORP,BLOGS/BLOGP,WPRS/WPRP,WPGS/WPGP, WPBS/WPBP, PWS/PWP, BKS, YD) -
IF lines (TOP) -
Video processor (CD0, CD1, SYN0, SYN1, DEF,VI0,VI1,SOUND,CONTO, CONT1,FEAT0).

2.3 Attivazione di una linea :

La prima linea (1) è continuamente visualizzata. La selezione delle linee successive (2) o (3) è possibile in service menu premendo i tasi . la linea selezionata sarà visualizzata di colore giallo.

3. Taratura della funzione scelta e memorizzazione

- 3.1 Il valore momentaneo della funzione scelta viene indicato in formato esadecimale a destra, accanto alla posizione da allineare e può essere cambiato con il pulsante del telecomando.
- 3.2 I valori verranno memorizzati nella memoria num quando verrà lasciato il menù service mode.
- 3.3 Premere il tasto "**Exit**" per uscire da qualsiasi Service Sub Menu.

4. Uscita temporanea dal Service Mode

- 4.1 Premere Exit sul telecomando. Al menu di uso quotidiano si accede attraverso il pulsante Menu.
- 4.2 Il Service Setup Sub Menu è accessibile attraverso il tasto "**Magenta**".

5. Disattivazione del Service-Mode

- 5.1 Per disattivare il Service Mode, commutare l'apparecchio in stand-by o spegnerlo con l'interruttore di rete.

2.2 Líneas del menú del Modo Servicio
Set-up lines (INIT,STANDARD,OSDCONTR) -
Geometry lines (HS,VS, VA, SC,VSH)
Video lines (CL, BLORS/BLORP,BLOGS/BLOGP,WPRS/WPRP,WPGS/WPGP, WPBS/WPBP, PWS/PWP, BKS, YD) -
IF lines (TOP) -
Video processor (CD0, CD1, SYN0, SYN1, DEF,VI0,VI1,SOUND,CONTO, CONT1,FEAT0).

2.3 Activación de una línea :
La primera línea (1) se muestra siempre en la pantalla. La selección secuencial de las líneas (2) y (3), es posible pulsando las teclas . La línea seleccionada es la que está en color amarillo

3. Ajuste de la función elegida y almacenamiento

- 3.1 El valor momentáneo de la función elegida es indicado de modo hexadecimal a la derecha, al lado de la posición a ajustar, y puede cambiarse con la tecla en el mando a distancia.
- 3.2 Los valores serán memorizados en la EEPROM al salir del menú del Modo Servicio.
- 3.3 Pulse el botón "**Exit**" para salir de cualquier submenú Servicio.

4. Salida temporal del Modo Servicio

- 4.1 Pulse Salir en el mando a distancia. Con el botón Menu puede acceder al menú de uso cotidiano.
- 4.2 Puede acceder al submenú de configuración del servicio mediante el botón "**Magenta**".

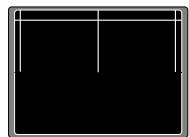
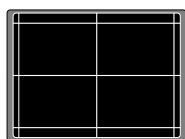
5. Salir del Modo Servicio

- 5.1 Conmute el aparato a STANDBY a fin de salir del MODO SERVICIO o desconectar con el interruptor de la red.

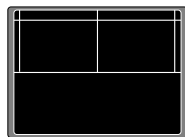
ALIGNMENT PROCEDURE - PROCESSUS DE REGLAGES - ABGLEICH - VISUALIZZAZIONE DEL VALORE DI REGOLAZIONE - PROCEDIMIENTO DE ALINEACION

SET-UP LINES	
ID 02.11	
INIT	
STANDARD* 00 0-03	
KEY ◀ OFF OFF-ON ▶	
OSDCONTR 03 0-0F	
WBF-R* 88 0-FF	
SOC1-0 2F 0-3F	
OIFP** 20 0-3F	
ID 00.07	
INIT	
Initialise TV set. Sets all Service Mode functions stored in the EEPROM to their default values. See below the default values table.	
⚠ "INIT" copy all service parameters from the ROM to EEPROM. It will be necessary in this case to readjust most of the service mode functions.	
⚠ "INIT" copie toutes les valeurs par défaut stockées en ROM vers l'EEPROM. Il peut être nécessaire dans ce cas de reprendre la plupart des réglages du mode service.	
⚠ "INIT" kopiert alle Service-Parameter aus dem ROM in das EEPROM. Es ist anschließend notwendig die meisten Service-Funktionen neu abzugleichen	
⚠ "INIT" copia tutti i parametri di servizio dalla ROM alla EEPROM. Sarà necessario in seguito regolare alcune funzioni in Service Mode.	
⚠ "INIT" copia todos los valores por defecto memorizados en la ROM hacia la EEPROM. Puede ser necesario en el caso de tener que reajustar la mayor parte de los ajustes en Modo Servicio	
STANDARD	
RF Norm Group Selection	
00 EU BG / LL'	
01 FR LL' / BG	
02 UK PAL I only	
03 DK DKK' PAL, SECAM	
ROM Default Value : TX 807 C / CS Europe : 00 EU	
KEY	Key lock ON,OFF... Default value : OFF
OSDCONTR	factory Setting OSDCONTR = 00H
WBF-R*	factory Setting WBF-R = 88H
SOC1-0	Specific TDA9554PS (UOC-N2) factory Setting SOC1=2FH 29"XF Samsung: 2DH 21"XF TTD : 2DH
OIF	Specific TDA9554PS (UOC-N2) factory Setting OIF=20H

V-Slope



Correct



incorrect

GEOMETRY LINES*	
HS 20 0-3F	
VS ◀ 1A 0-3F ▶	
VA 20 0-3F	
SC 10 0-3F	
VSH 20 0-3F	
HS	
VS	
V Slope	
<ul style="list-style-type: none"> - Apply a test pattern signal to the TV with a single horizontal and vertical line on the screen. - Select the "VS" line of the menu. The bottom half of the screen will go black. - Adjust VS until the centre line of the pattern is just invisible. - Leave the line "V_Slope". - Switch the test pattern signal to the crosshatch geometry pattern. - Perform the geometry adjustments described below. 	
<ul style="list-style-type: none"> - Appliquer une mire de barres avec seulement une ligne blanche horizontale en milieu de l'écran. - Sélectionner la ligne "V-Slope". La moitié basse de l'écran devient noire. - Aligner "V_Slope" pour que la ligne médiane soit à peine non visible. - Commuter la mire en mode de réglage de géométrie (quadrillage). - Effectuer les réglages de géométrie ci-après. 	
<ul style="list-style-type: none"> - Speisen Sie ein Testbild mit einem horizontalen Strich in der Bildmitte ein. - Wählen Sie im Menü die Funktion "V-Slope" an. - Die untere Bildhälfte wird dunkel. - Stellen Sie "V-Slope" so ein, daß die Mittellinie fast verschwindet. - Verlassen Sie die Funktion "V-Slope". - Speisen Sie ein Gittertestbild ein. - Nehmen Sie die Geometrieinstellungen wie nebenstehend beschrieben vor. 	
<ul style="list-style-type: none"> - Applicare un monoscopio con un'unica linea bianca orizzontale al centro dello schermo - Selezionare la riga "V slope" del menu. La parte bassa dello schermo viene oscurata. - Allineare la "Vertical Slope" in modo che la linea centrale sia appena visibile - Abbandonare la riga "V slope". - Posizionare il monoscopio - Effettuare le regolazioni di geometria descritte in precedenza - Memorizzare. 	
<ul style="list-style-type: none"> - Applique una carta de ajuste con sólo una línea blanca horizontal y una vertical en el centro de la pantalla. - Seleccionar en el menú, la línea "V-Slope". La mitad inferior de la pantalla se pondrá oscura. - Ajuste "V-Slope" justo hasta que la línea horizontal sea invisible. - Cambiar la carta de ajuste a "cuadrícula" y efectuar los ajustes de geometría descritos a continuación - Antes de salir, memorizar con "Store" 	
VA	
SC	
S-Correction	
VSH	

* According to software version.

** " S " : Video signal received is SECAM.

" P " : Video signal received is PAL.

VIDEO LINES	
CL ◀ 00 0-0F ▶	
BLORS* 08 0-0F	
BLOGS* 08 0-0F	
WPRS* 20 0-3F	
WPGS* 20 0-3F	
WPBS* 20 0-3F	
PWS* 20 20 20 0-3F	
BKS* ON OFF-ON	
YD 08 0-0F	
CL	
Cathode Level	Factory setting. Extension of the peak White range. Réglage usine. Extension des valeurs de réglages du Peak White. Fabrik-Einstellung (Umfang des Spitzenweiß Einbereiches) Factory Setting. Extension of the peak White range. Ajuste de fábrica Extensión del margen del Peak White.
Cut-off **	
BLORS / BLORP	
Black Level Offset Red SECAM/PAL	= 50% Grey scale test pattern white =100%
BLOGS / BLOGP	
Black Level Offset Green SECAM/PAL	↑ grey
Drive**	
WPRS / WPRP	
White Point Red SECAM/PAL	= 50% Grey scale test pattern white =100%
WPGS / WPGP	
White Point Green SECAM/PAL	↑ white
WPBS / WPBP	
White Point Blue SECAM/PAL	
PWS / PWP**	
Peak White SECAM/PAL	colourimeter Sets Nits Sets Nits 10" 500 21"MP 90° 450 14" 450 21"XF Tosh. 420 17" 450 25"MP 110° 400 20"FB 450 28"MP 110° 300 21"OT 420 29"XF Sams. 250
BKS	
Black Stretch	Factory Setting
YD	
Luminance Delay	Use ◀ ▶ to adapt the image

*Perform the G2 and the Focus settings beforehand.
Effectuez au préalable les réglages de G2 et de focus.
Stellen Sie zuvor G2 und "Focus" ein.
Effettuare le regolazioni G2 e del Fuoco innanzitutto.
Efectuar previamente los ajustes de G2 y Foco

** Adjust separate for PAL / SECAM

" S " : Video signal received is SECAM.

" P " : Video signal received is PAL.

IF LINES	
TOP ◀ 20 0-0F ▶	
FFI 00 0-01	
ACL* 00 0-01	
TOP	
AGC - Take Over	- Minimum noise- Minimum de bruit - Minimum Rauschen - Rumore minimo - Minimo ruido
<ul style="list-style-type: none"> - Set TOP to 00 - Adjust TOP for maximum gain of IF signal. - Reduce IF level about 8dB. 	
ROM Default Value N1 IVV1.0 : AGC : 20 N2 IVV2.20: AGC : 14	
FFI*	
Fast Filter IF-PLL	Fast Filter (IF / PLL) Filtre rapide (FI / PLL) Schnelles Filter (ZF / PLL) Filtro /rapido (IF / PLL) 00 : Europ Factory Setting.
ACL*	
Automatic Colour limiting	Factory Setting. ACL=00
VIDEO PROCESSOR LINES	
CD0 84 0-FF	
CD1 00 0-0F	
SYN0 ◀ 30 0-FF ▶	
SYN1 08 0-FF	
DEF 00 0-0F	
VI0 00 0-0F	
VI1 00 0-0F	
SOUND 00 0-FF	
CONT0 46 0-FF	
CONT1 00 0-0F	
SOUND1 00 0-FF	
FEAT0 00 0-01	
FEAT1 00 0-01	
LOCK 00 0-01	
LIMIT 00 0-01	
CD0	
CD1	Factory Setting. CD0 - Colour Decoder 0 Default value N1 Soft. IVV1.0 = 84 N2 Soft. IVV2.20=04 CD1 - Colour Decoder 1 - Colour Decoder 1 Default value N1 Soft. IVV1.0 = 84 Mono : 80 Stereo: 00
SYN0	
SYN1	- Synchronisation 0 = 30 - Synchronisation 1 = 1C Factory Setting.
DEF	
DEF	- Deflection = 00 Factory Setting.
VI0	
VI1	- Vision IF 0 = 40 - Vision IF 1 = 00 Factory Setting.
SOUND	
SOUND	- Sound = 00 Factory Setting.
CONT0	
CONT0	- Control 0 = 40 - Control 1 = 00 Factory Setting.
FEAT0	
FEAT0	- Features 0 = 00 Factory Setting.

* According to software version.

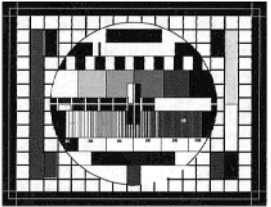




DEFAULT VALUES		
OSD	DESCRIPTION	DEFAULT VALUE (HEX) Soft N1 IVV1.0 / N2 IVV2.20
ID (TEXT)	Software	
INIT	Initialise TV set	
STANDARD	RF Norm Group Selection	0 (EU)
KEY	Key Lock	OFF
OSDCONTR	OSD Contrast	IV V1.0 = 03 - IV V2.20 = 00
WBF-R	Timing of wide blanking	88
SOC1-0	Peak White Limiting	IV V1.0 = 00 - IV V2.20 = 2F
OIFS	Offset IF demodulator	18
FR	France	N1 IV V1.0 (only) Mono : 00 Stereo : 01
HS	Horizontal Shift	20
VS	Vertical Slope	1A
VA	Vertical Amplitude	20
SC	S-Correction	10"/14"/MP 4/3 = 10 17"/20"/21"MP 4/3 = 10 21"OT 4/3 = 10 21"XF 4/3 Toshiba = 10 21"XF 4/3 TTD = 10 21"XF 4/3 Philips = 10 25"/28" MP 4/3 = 22 29"XF Samsung = 1C
VSH	Vertical Shift	20
CL	Cathode Level	IV V1.0 = 00 - IV V2.20 = 08
BLORS	Black Level Offset Red SECAM	IV V1.0 = 08 - IV V2.20 = 20
BLORP	Black Level Offset Red PAL	IV V1.0 = 08 - IV V2.20 = 20
BLOGS	Black Level Offset Green SECAM	IV V1.0 = 08 - IV V2.20 = 20
BLOGP	Black Level Offset Green SECAM	IV V1.0 = 08 - IV V2.20 = 20
WPRS	White Point Red SECAM	20
WPRP	White Point Red PAL	20
WPGS	White Point Green SECAM	20
WPGP	White Point Green PAL	20
WPBS	White Point Blue SECAM	20
WPBP	White Point Blue PAL	20
PWS	Peak White SECAM	20
PWP	Peak White PAL	20
BKS	Black Stretch	01
YD	Luminance Delay	08
TOP	AGC Take-Over	IV V1.0 = 20 - IV V2.20 = 14
FFI	Fast Filter IF-PLL	00
ACL	Automatic Colour limiting	00
CD0	Colour Decoder 0	IV V1.0 = 84 - IV V2.20 = 04
CD1	Colour Decoder 1	Mono : 80 Stereo: 00
SYN0	Synchronisation 0	30
SYN1	Synchronisation 1	1C
DEF	Deflection	00
VI0	Vision IF 0	40
VI1	Vision IF 1	00
SOUND	Sound	00
CONT0	Control 0	00
CONT1	Control 1	00
FEAT0	Features 0	00

ALIGNMENT PROCEDURE - PROCESSUS DE REGLAGES - ABGLEICH - VISUALIZZAZIONE DEL VALORE DI REGOLAZIONE - PROCEDIMIENTO DE ALINEACION

GEOMETRY MODE ALIGNMENT

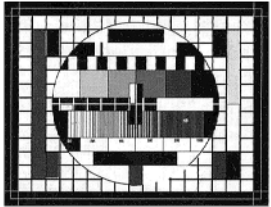







90° tube

Signal : 50 Hz - 4/3 test pattern

<p>4 / 3 standard mode</p>		<p style="text-align: center;">Overscan V=107% , H=107%</p> <p>1 - Adjust Horizontal Centering (HS)</p> <div style="text-align: center;">  </div> <p>2 - Adjust Vertical centering (VSH) and Vertical amplitude 107% (VA) 3 - Adjust Vertical Slope (VS) and linearity (SC)</p> <div style="text-align: center;">    </div> <p>4-If necessary repeat VSH, VA alignment to 7% overscan.</p>
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110° tube

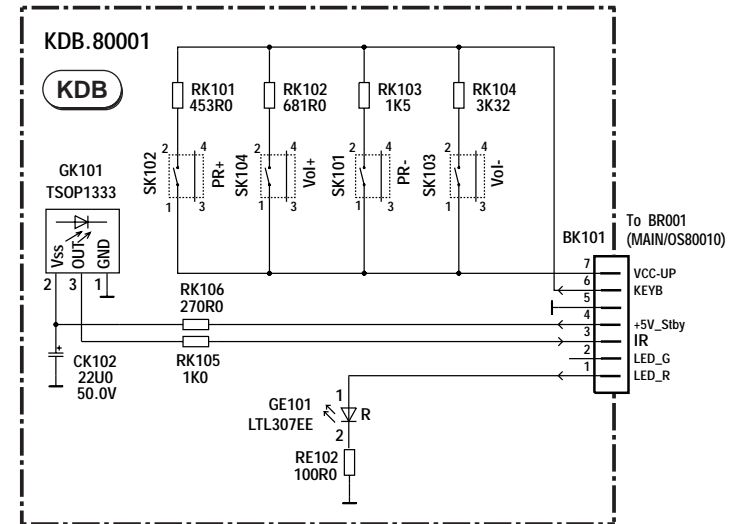
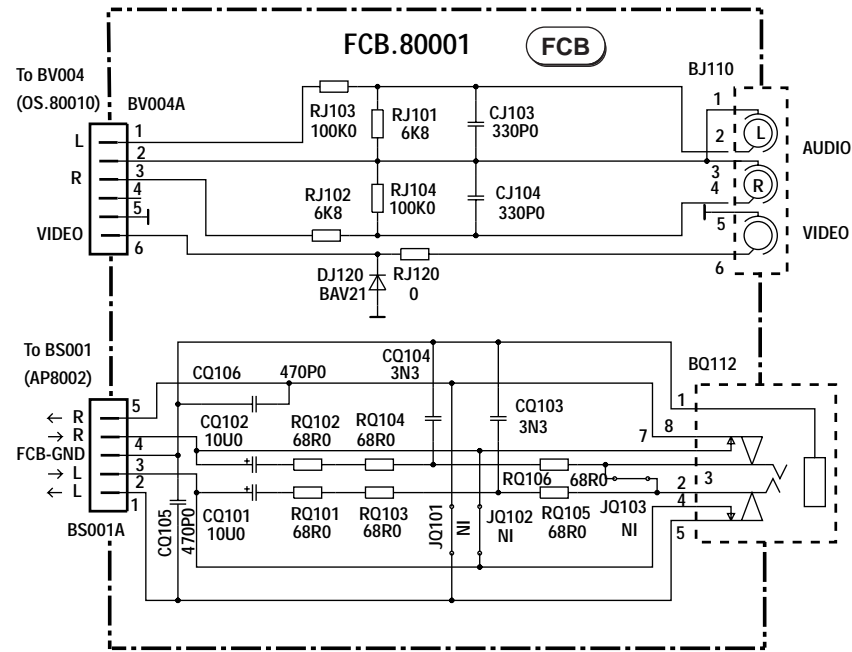
Signal : 50 Hz - 4/3 test pattern

<p>4 / 3 standard mode</p>		<p style="text-align: center;">Overscan V=107% , H=107%</p> <div style="background-color: #f0f0f0; padding: 5px; text-align: center; font-weight: bold;">EAST-WEST MODULE</div> <p>1 - PL140 : Turn fully counterclockwise.</p> <div style="background-color: #f0f0f0; padding: 5px; text-align: center; font-weight: bold;">MAIN BOARD</div> <p>2 - Adjust Horizontal Centering (HS)</p> <div style="text-align: center;">  </div> <p>3 - Adjust Vertical centering (VSH) and Vertical amplitude 107% (VA) 4 - Adjust Vertical Slope (VS) and linearity (SC)</p> <div style="text-align: center;">    </div> <p>5 - If necessary repeat VSH, VA alignment to 7% overscan.</p> <div style="background-color: #f0f0f0; padding: 5px; text-align: center; font-weight: bold;">EAST-WEST MODULE</div> <p>6 - PL140 : Adjust Horizontal amplitude with PL140 for optimum overscan.</p> <div style="text-align: center;">  </div> <p>7 - PL141 :Adjust Pincushion.</p> <div style="text-align: center;">  </div> <p>8 - PL143 : Adjust Trapezium</p> <div style="text-align: center;">  </div> <p>9 -If necessary repeat Horizontal amplitude, pincushion correction and trapezium alignment</p>
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**FRONT CONNECTOR BOARD -
PRISES EN FACADE ET INTERCONNEXION DU CLAVIER -
FRONT ANSCHLUSSPLATTE - PIASTRA CONNESSIONE FRONTALE -
PLÁTINA MANDOS FRONTAL**

FCB.80001.00

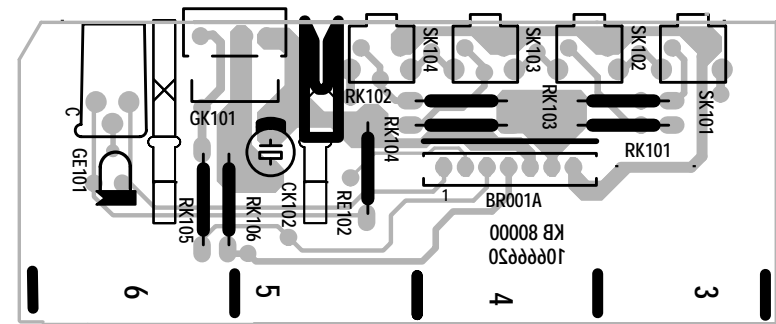
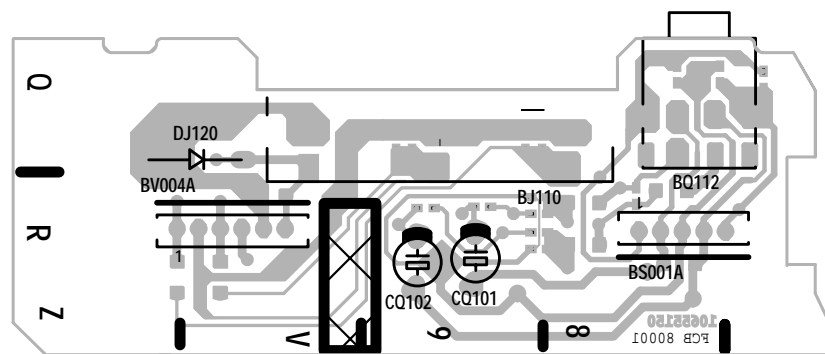
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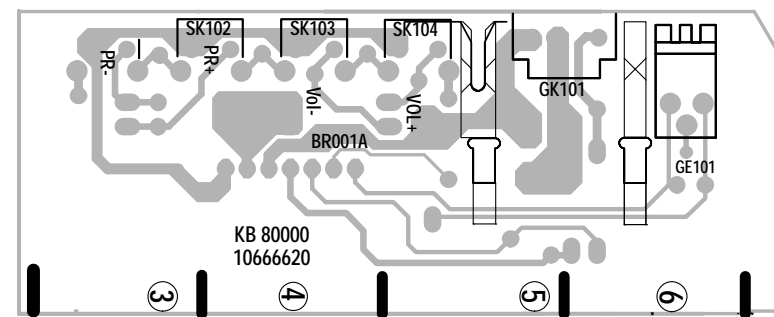
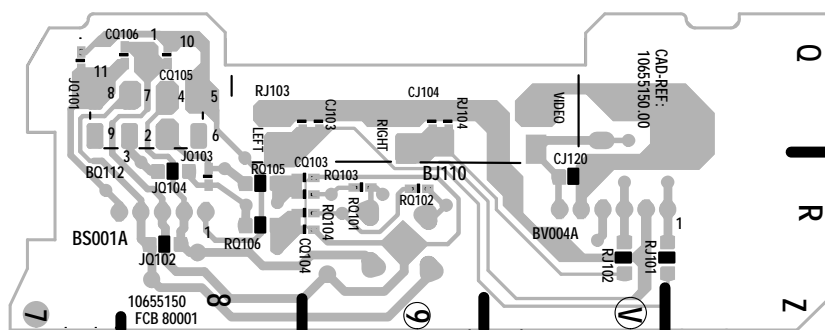
FCB.80001.00

KDB.80001.00

COMPONENT SIDE - CÔTE COMPOSANTS - BESTÜCKUNGSSEITE - LATO COMPONENTI - LADO COMPONENTES



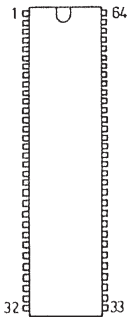
SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE - LATO SALDATURE - LADO SOLDADURAS



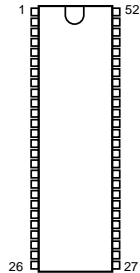
**LIST OF ABBREVIATIONS - LISTE DES ABREVIATIONS - ABKÜRZUNGEN
LISTA DELLE ABBREVIAZIONI - LISTA DE ABREVIACIONES**

● BCL	BEAM CURRENT LIMITING INFORMATION
● BLACK_I	BLACK CURRENT INPUT
● B / B'	BLUE SIGNAL TO VIDEO AMPLIFIER
● CVBS	COMPOSITE VIDEO BASE BAND SIGNAL
● DEGAUSS	DEGAUSS SIGNAL
● DEG-COIL	DEGAUSS COIL
● FAULT	SIGNAL TO DETECT FAULT CONDITION
● FB	FAST BLANKING
● G / G'	GREEN SIGNAL TO VIDEO AMPLIFIER
● H / HDRIVE	DRIVE SIGNAL FOR HORIZONTAL DEFLECTION
● HTR / HEATER	HEATER VOLTAGE
● I_CUT	CUT OFF CURRENT
● IR	DATA FROM INFRARED RECEIVER
● MUTE	MUTE AUDIO AMPLIFIER
● OPTO	REGULATION SIGNAL GOING TO OPTO COUPLER ON DC-DC POWER SUPPLY MODULE.
● PO	POWER ON. SIGNAL FROM MICRO. TO POWER SUPPLY. SWITCHES THE POWER SUPPLY FROM STANDBY TO ON.
● R / R'	RED SIGNAL TO VIDEO AMPLIFIER
● SCL	SERIAL CLOCK
● SDA	SERIAL DATA
● SLOW_SW	SLOW SWITCH FROM SCART
● SOUND_SW	IF SELECTION CONTROL INPUT
● UA	POSITIVE AUDIO VOLTAGE
● -UA	AUDIO VOLTAGE GROUND
● USTBY	STANDBY VOLTAGE: 11.9V
● +UB / USYS	SYSTEM VOLTAGE
● USYS_MOD	SIGNAL TO MODULATE USYS
● UVIDEO	VIDEO VOLTAGE FOR THE CRT BOARD
● V_DRIVE	DRIVE SIGNAL FOR VERTICAL DEFLECTION
● +VSUPPLY	12.9V. POSITIVE SUPPLY VOLTAGE FOR VERTICAL POWER AMPLIFIER
● -VSUPPLY	10.5 TO 12.5V (DEPENDING ON TUBE TYPE). NEGATIVE SUPPLY VOLTAGE FOR VERTICAL POWER AMPLIFIER 12.9V.
● VT	TUNING VOLTAGE
● +5VON	SUPPLY VOLTAGE FOR THE MICROPROCESSOR AND AUDIO PART. ONLY PRESENT IN ON MODE.
● +8V	SUPPLY VOLTAGE FOR THE MICROPROCESSOR, AUDIO PART AND FOR THE DRIVER PULL-UP RESISTOR
● +3VUP	PRESENT IN STANDBY MODE. POWER SUPPLY VOLTAGE FOR THE MICROPROCESSOR. POWER SUPPLY INTERNAL USED AS REFERENCE VOLTAGE FOR THE REGULATION
● +33V	TUNER VOLTAGE

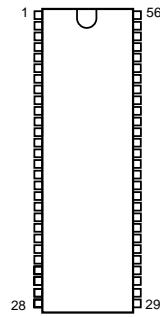
INTEGRATED CIRCUITS AND TRANSISTORS OUTLINE - CIRCUITS INTEGRES ET TRANSISTORS INTEGRIERTE SCHALTUNGEN UND TRANSISTOREN - CIRCUITI INTEGRATI TRANSISTOR CIRCUITOS INTEGRADOS Y TRANSISTORES



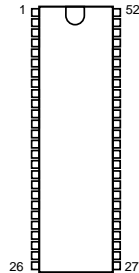
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TDA9367N1



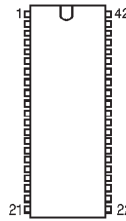
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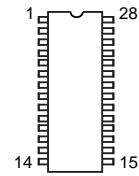
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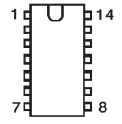
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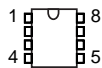
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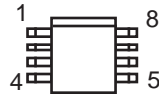
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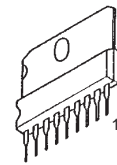
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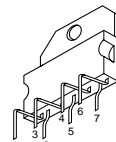
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M22W04



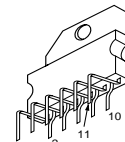
TDA 7267



STV8130



TDA9302H
TDA 9320H



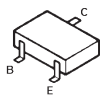
TDA7253
TDA7263



MC7805/ACT
78L09



BC 337
BC337-40
BC 547B/C
BC 548B
BC 558B



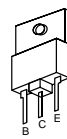
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BC 847B
BC856B
BC 858 B/C
BC857
BCR141
BCR185
DTC144EK
MMBTH10L
RN1409
RN2417



TT52
BF 422
BF423
2SA1020
2SC2236



BC327



BUH515D
STP3NB90FP



STP3 NA80F1

EACEM - SECTION CODES

COMMON	
ANT	ANTENNA SECTION
APR	SIGNAL PROCESSING (ANALOG)
BCH	BATTERY CHARGE
CLK	CLOCK/TIMER SECTION
CPA	COLOUR PROCESSING/ANALOG
CTR	CONTROL PANEL
DPR	SIGNAL PROCESSING (DIGITAL)
ERA	ERASE CIRCUIT
FLX	FLEXIBLE PRINTED CIRCUIT BOARD
HFS	HIGH FREQUENCY SECTION (RF)
IDS	INFORMATION DISPLAY SECTION
IFC	IF-CIRCUIT
ILN	i.LINK (IEEE1394) SECTION
INP	SIGNAL INPUT SECTION
IRD	INFRARED (IrDA) SECTION
MEM	MEMORY CIRCUIT
OUT	SIGNAL OUTPUT SECTION
PRG	PROGRAMMING SECTION
PRT	PROTECTION CIRCUIT
PSU	POWER SUPPLY
PWA	POWER AMP SECTION
REM	REMOTE CONTROL SECTION
RFU	BOOSTER, RF UNIT
SFT	SOFTWARE (TAPE, DISC, ETC.)
SNS	SENSOR UNIT
SVO	SERVO SECTION
SYS	SYSTEM CONTROL SECTION
TUN	TUNING SECTION
TXT	TEXT PROCESSING

SOUND-RELATED	
APA	AUDIO PROCESSING/ANALOG
APD	AUDIO PROCESSING/DIGITAL
CDC	CD CHANGER SECTION
CDS	CD SECTION
MDC	MD CHANGER SECTION
MDS	MINIDISC SECTION
MIC	MICROPHONE SECTION
PUD	PICK-UP DEVICE
SHD	STATIONARY HEAD(S)
SPK	SPEAKER

PICTURE-RELATED	
CAM	CAMERA CIRCUIT
CPD	COLOUR PROCESSING/DIGITAL
CRT	PICTURE TUBE
DFL	DEFLECTION CIRCUIT
DVD	DVD SECTION
FPK	FOCUS PACK
IMG	IMAGE DISPLAY UNIT

PICTURE-RELATED	
LCD	LCD SECTION
LMP	LAMP/FLASH SECTION
VPA	VIDEO PROCESSING/ANALOG
VPD	VIDEO PROCESSING/DIGITAL
VWF	VIEWFINDER

PC-RELATED	
FDD	FLOPPY DISC DRIVE
FMW	FIRMWARE
HDD	HARD DISC DRIVE
ISA	ISA SECTION
JST	JOYSTICK
KBD	KEYBOARD (SEPARATE)
MDM	MODEM SECTION
NIF	NETWORK INTERFACE
PAR	PARALLEL PORT
PCC	PC CARD
PCI	PCI SECTION
SCS	SCSI PORT
SER	SERIAL PORT
USB	USB PORT

MECHANICAL	
ARM	ARM MECHANISM
BZL	BEZEL
CBT	CABINET
CHA	CHASSIS
DDM	DISC DRIVE MECHANISM
EXC	EXTERNAL CONNECTOR
HCM	HEAD CARRIAGE MECHANISM
HOL	CASSETTE HOLDER
INC	INTERNAL CONNECTOR
LDG	LOADING MECHANISM
LNM	LENS MECHANISM
PFM	PAPER FEED MECHANISM
PIN	PINCH ROLLER/LEVER
PRI	PRINT BLOCK
RFM	RIBBON FEED MECHANISM
RHD	ROTARY HEAD(S)
SLD	SLED MECHANISM
SRS	SUPPLY REEL SECTION
STA	STATIC BLOCK
TDM	TAPE DRIVE MECHANISM
THR	THREADING MECHANISM
TNR	TENSION REGULATOR
TPT	TAPE PATH
TRS	TAKE-UP REEL SECTION
WIR	LEAD WIRE
XXX	CABINET/COSMETIC PARTS

DEFECT CODES		
MECHANICAL		
A	WORN OUT (OR GENERAL MECHANICAL DEFECT)	ELECTRICAL
A1	MISOPERATING	
B	DIRTY, CLOGGED	
C	MECHANICALLY MISALIGNED	
D	CUT, BROKEN	
E	DEFORMED	
F	SNAPPED	
G	SCRATCHED, DENTED, SHARP EDGES	
H	CRACKED, PEELED, CORRODED, MELTED	
I	LOOSE/OFF/STRIPPED	
J	SHAKY, UNSTABLE	
K	LEAKING (MECHANICAL)	
L	DRY (NO LUBRICANT)	
M	FOREIGN OBJECT	
N	DEFECTIVE ELECTRICAL COMPONENT/MODULE	
O	BURNT, ARCING, MISSING PIXELS	
P	ELECTRICALLY MISALIGNED/WRONG SETTING	
Q	SHORT CIRCUIT	
R	OPEN CIRCUIT	
S	LEAKING (ELECTRICAL)	
T	BAD CONTACT, CONNECTION	
T1	BAD EARTH CONNECTION	
U	OPEN PATTERN	
V	CRACKED PRINTED CIRCUIT BOARD	
W	COLD OR NO SOLDERING	
X	BRIDGED SOLDERING	
Y	WRONG COMPONENT/MODULE	
Z	MISSING COMPONENT/MODULE	
1	SOFTWARE PROBLEM	
11	LOSING DATA FROM MEMORY	
12	FAULTY PROGRAM SETTING/INSTALLATION	
13	SOFTWARE DEFECTIVE OR INCOMPLETE	
14	SOFTWARE SETUP PROBLEM	
15	NO IDENTIFICATION / AUTHENTICATION OF PRODUCT OR USER	
2	EXHAUSTED, LOW EMISSION	
3	NO PROBLEM FOUND (SET WITHIN SPEC)	
4	NO PROBLEM FOUND - CUSTOMER MISUNDERSTANDING	
5	NO PROBLEM FOUND - LOCAL CONDITIONS	
51	FAULTY MAINS VOLTAGE	
6	UNABLE TO DIAGNOSE FAULT	
7	INCORRECTLY WIRED/ASSEMBLED	
81	INCORRECT EQUIPMENT CONNECTION	
9	CUSTOMER MISUSE	
93	UNAUTHORISED MODIFICATION	

REPAIR CODES			
A	REPLACEMENT	Q	PREVENTIVE ACTION WITHOUT PARTS REPLACEMENT
B	MECHANICAL ALIGNMENT	U	EXPLANATION FOR CUSTOMER
C	ELECTRICAL ALIGNMENT	V	COST ESTIMATION REFUSED
D	RESOLDERING	W	COST ESTIMATION WITH PARTS
D1	REFITTING, PUT BACK IN POSITION (CONNECTOR, TUBE...)	X	COST ESTIMATION WITHOUT PARTS
E	CLEANING	Y	RETURN WITHOUT REPAIR
F	LUBRICATION	Z	PRODUCT EXCHANGE
G	REPAIRED ELECTRICAL PARTS	Z1	PRODUCT EXCHANGE (REPAIR TOO EXPENSIVE)
H	REPAIRED MECHANICAL PARTS	Z2	PRODUCT EXCHANGE (TOO MANY VISITS/REPAIRS)
I	MODIFICATION REQUESTED BY MANUFACTURER	Z3	PRODUCT EXCHANGE (PARTS NOT AVAILABLE)
J	REMOVED	Z4	PRODUCT EXCHANGE (IMPOSSIBLE TO REPAIR)
K	ADDED	Z5	PRODUCT EXCHANGE (ON REQUEST OF RETAILER)
L	FUNCTIONAL CHECK	Z6	PRODUCT EXCHANGE (ON REQUEST OF MANUFACTURER)
M	SPECIFICATION MEASUREMENT	1	SOFTWARE CORRECTION/RESET
N	MAINTENANCE	2	SOFTWARE UPGRADE
O	REFURBISHING, RECONDITIONING	3	PRODUCT UPGRADE (ON REQUEST)
P	PREVENTIVE PARTS REPLACEMENT		

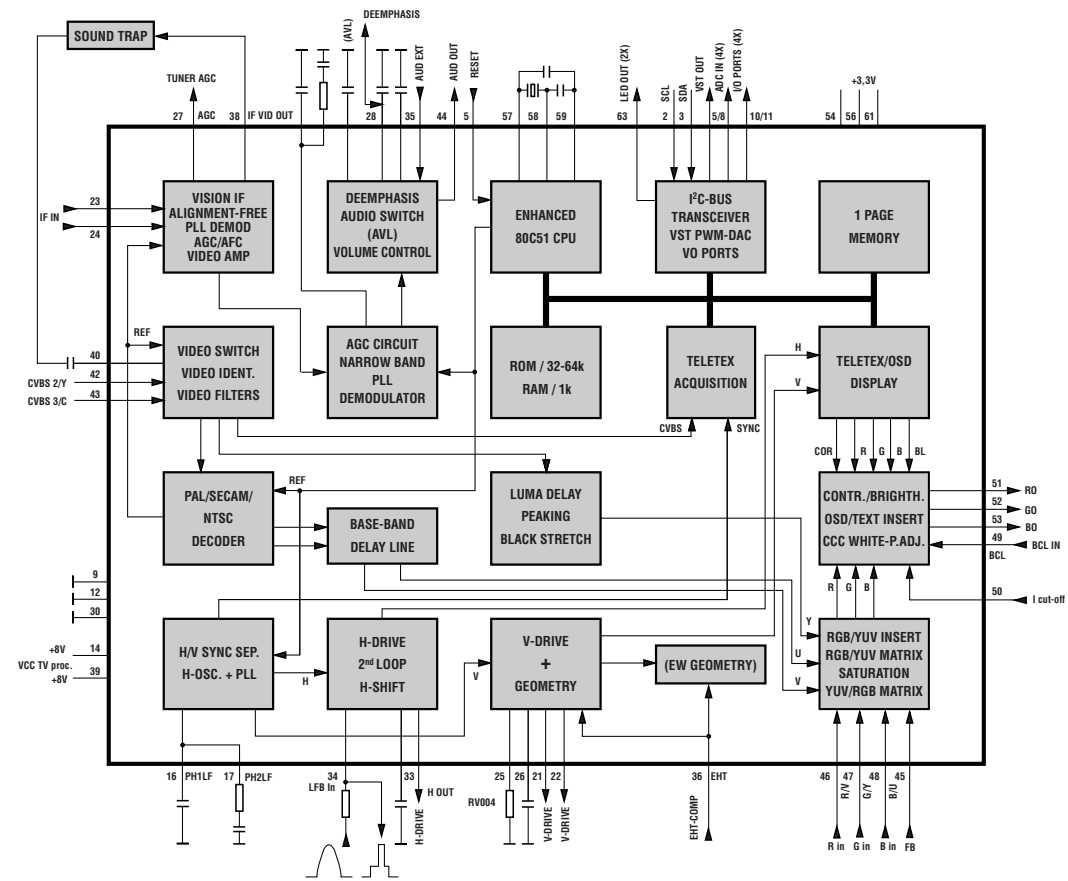
EXAMPLE OF USE:

FLAG	SYMPTOM CODE	PART NO.	REF. NO.	SECTION	PCB	DEFECT CODE	REPAIR CODE	QTY
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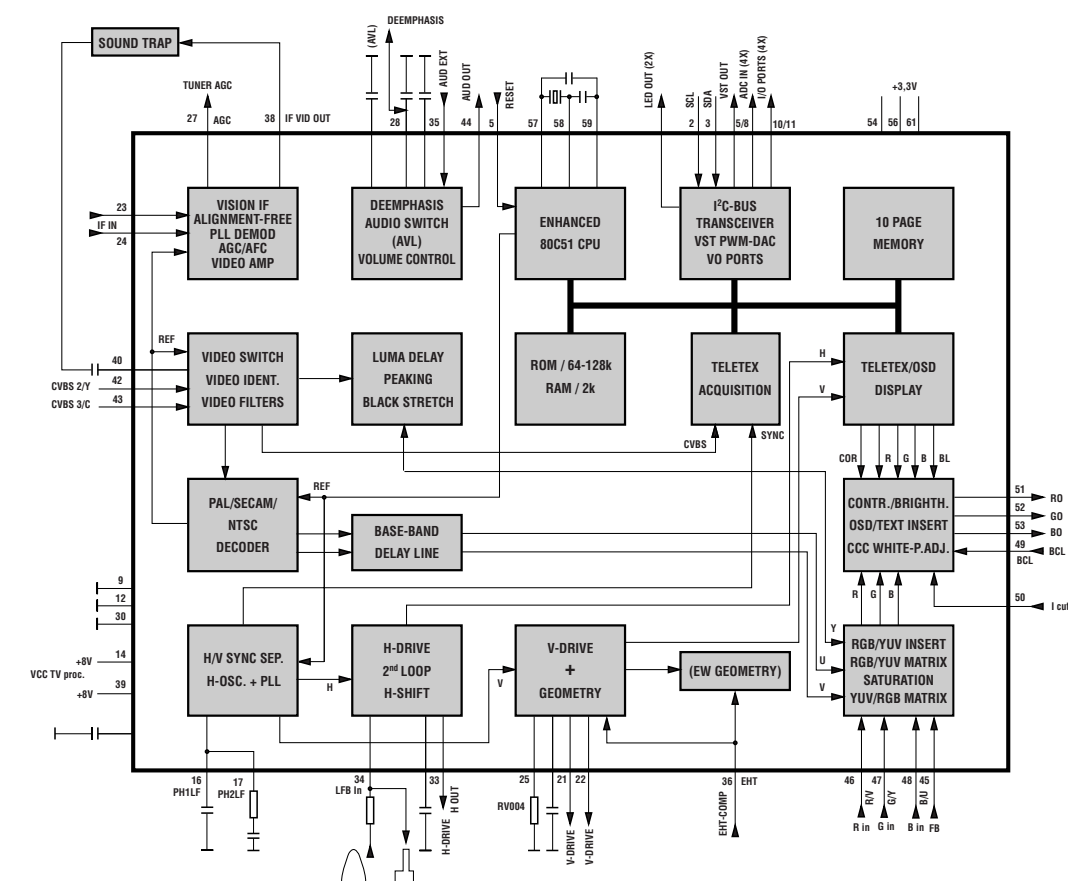
FLAG: INDICATES THE ONE MAJOR SYMPTOM/PART COMBINATION BY '1'

INTEGRATED CIRCUITS BLOCK DIAGRAMS - SYNOPTIQUES INTERNES DES CIRCUITS INTEGRES - INTEGRIERTE SCHALTUNGEN BLOCKSCHALTBIEDER - SCHEMA A BLOCCHI DEL CIRCUITI INTEGRATI - VISTA INTERNA DE LOS CIRCUITOS INTEGRADOS

TDA9351N1 MICROPROCESSOR

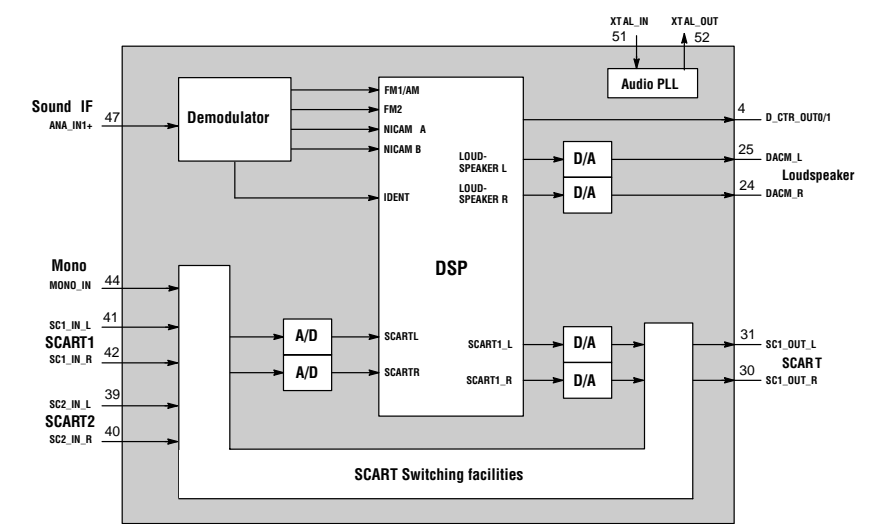


TDA9367N1 MICROPROCESSOR

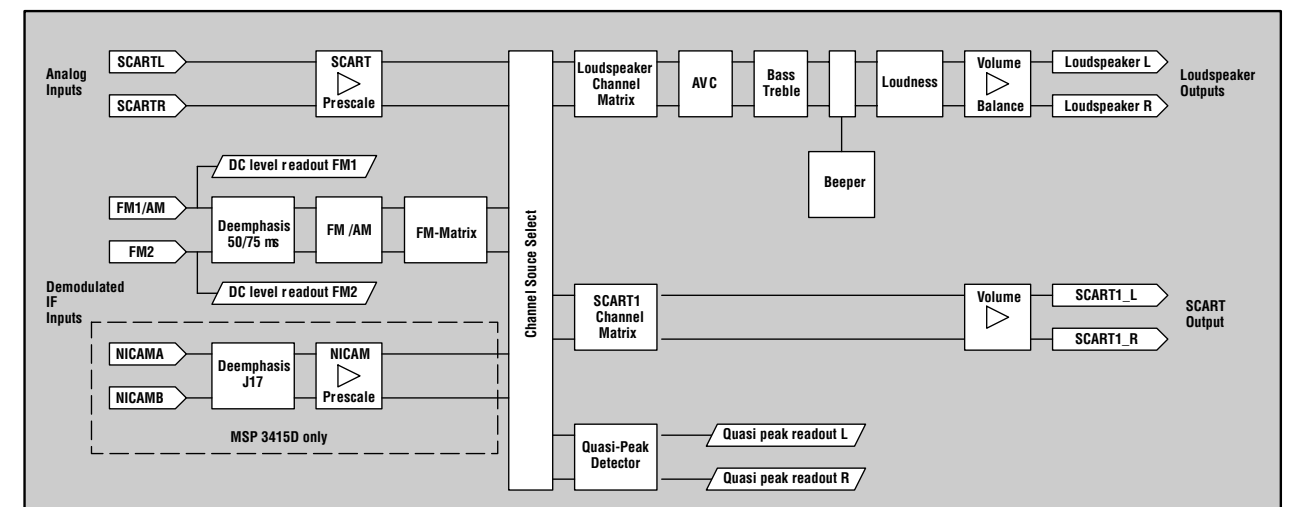


MSP 3415D

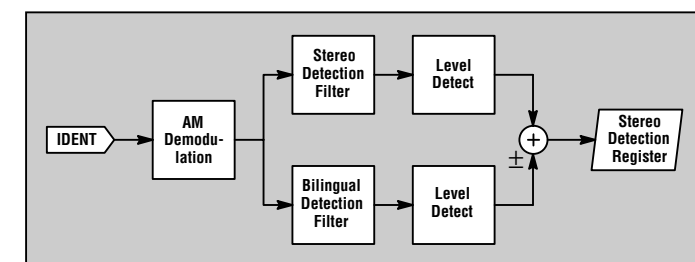
MULTISTANDARD SOUND PROCESSOR



AUDIO BASEBAND PROCESSING



DETECTION PART OF THE MSP3415D





Television

Chassis : TX807
TX807C
TX807CS

Section :

Power supply

H_Deflection circuit

V_Deflection circuit

HF-IF circuit

Input / Output - Scart

Mechanical

Control panel

Data processing

Audio processing

Video processing

Picture Tube - Display

General





Power supply

Symptom description

TX807

Burst mode actived.

Failure of bridge rectifier RS205-K106 (600 V) DP01.

Failure of the 24-volt zener diode in position DP27 for no specific reason.

Improving the stability and reliability of +5VR supply voltage.

Introduction index 02 PCB.

Picture distorsion, with horizontal jitter.

The picture being modulated by the low frequency audio components at high volume levels.

Transistor in position TP20.

TX807C/CS

After having switch off the TV by the mains swicth, it is impossible to switch it ON again.

Excessive delay at switch ON.

Failure of resistor 10W 5% 0.430W in position RL035.

From standby, TV doesn't start. (1)

From standby, TV doesn't start. (2)

From standby, TV doesn't start or TV starts by itself without any action on the remote control.

Jitter effect.

Introduction of PCB Index 04.

Moire.

Purity problem.

Transistor in position TP020.

TV doesn't start.



H_Deflection circuit

Symptom description

TX807

Improvement the reliability of the line output transistor TL02.

TX807C/CS

Breathing effect.

East-West Module EWM80050.

Evolution of switched mode power transformer.

Evolution transistor in position TL035.

Excessive picture width.

Jitter effect.

Picture flickering.

Ringing effect.

Sometimes after switching the TV to standby, (or switch OFF) after glow can be visible at the center of the screen.



V_Deflection circuit

Symptom description

TX807C/CS

In the middle of the screen you can observe horizontal disturbances, easily visible on normal picture.
Set switches to security.



Television

Chassis

TX807/C/CS



HF-IF circuit

Symptom description

TX807

Visible white dots on red or black picture contents (similar to sparkles on satellite reception).

TX807C/CS

Evolution of VHF/UHF Tuner.



Television

Chassis

TX807/C/CS



Control panel

Symptom description

TX807C/CS

IR circuit inoperative.



Television

Chassis

TX807/C/CS



Data processing

Symptom description

TX807

Background noise in loudspeaker at low volume levels.
Crackling noise in standby.

TX807C/CS

Noisy sound in AV mode.



Television

Chassis

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Audio processing

Symptom description

TX807

Ploc, noise in loudspeaker & Headphone.

TX807C/CS

Integrated Circuit in position IS001.

Integrated Circuit in position IS100.



Video processing

Symptom description

TX807

Integrated circuit in position IV01.

TX807C/CS

After glow effect. (1)

After glow effect. (2)

Evolution of TDA9554PS/N1 (IV001) software.

In some cases, no color in PAL standard.

Noisy sound in AV mode - Video mute - Switching voltage

The set displays "NO SIGNAL".

Vertical drift problem on bottom part of the picture.



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Picture Tube - Display

Symptom description

TX807C/CS

Evolution of Cathode Ray Tube.

Sometimes after switching the TV to standby, (or switch OFF) after glow can be visible at the center of the screen.



Television

Chassis

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General

Symptom description

TX807C/CS

Correction PART N° of capacitor CP080.




WARNING : *Before servicing this chassis read the safety recommendations.*
ATTENTION : *Avant toute intervention sur ce châssis, lire les recommandations de sécurité.*
ACHTUNG : *Vor jedem Eingriff auf diesem Chassis, die Sicherheitsvorschriften lesen.*
ATTENZIONE : *Prima di intervenire sullo chassis, leggere le norme di sicurezza.*
IMPORTANTE : *Antes de cualquier intervención, leer las recomendaciones de seguridad.*


Do not disconnect modules when they are energized! Repairs on power supply section are to be carried out only with isolating transformer.


Ne pas retirer les modules lorsqu'ils sont sous tension. N'effectuer les travaux de maintenance sur la partie reliée au secteur (Switch Mode) qu'au travers d'un transformateur d'isolement. Module nicht bei eingeschaltetem Gerät entfernen ! Servicearbeiten am Netzteil nur unter Verwendung eines Regeltrenntrafos durchführen.


Non scollegare i moduli quando sono alimentati! Intraprendere riparazioni sulla sezione alimentatore solo con trasformatore isolante.


No desconectar los módulos cuando están activados. Las reparaciones en la sección de alimentación de energía deben ser ejecutadas solamente con un transformador de separación.

 Indicates critical safety components, and identical components should be used for replacement. Only then can the operational safety be guaranteed.

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

Wenn Sicherheitsteile (mit dem Symbol ) gekennzeichnet) nicht durch Original - Ersatzteile ersetzt werden, erlischt die Haftung des Herstellers.

La sostituzione degli elementi di sicurezza (marcati 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.

La sustitución de elementos de seguridad (marcados con el simbolo ) por componentes no homologados segun la norma CEI 65, provoca la no conformidad del aparato. En ese caso, el fabricante cesa de ser responsable.

Note : During measurements in the power supply unit, use the primary power unit ground (Emit. TP060).

Attention : Mesures dans le bloc alimentation. Utiliser la masse du bloc alimentation (Emit. TP060).

Achtung : Bei Messungen im Primärnetzteil. Primärnetzteilmasse verwenden (Emit. TP060).

Attentionze : Misure nell'alimentatore primario. Usare massa alimentazione primario (Emit. TP060).

Cuidado : Medida en el bloque de alimentación. Utilizar la masa del bloque de alimentación (Emit. TP060).

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

RECEIVER :

Bar test pattern : PAL, I standard, 100% white.

- On UHF, input level 1 mV
- Via the scart socket, input level 1 Vpp

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 :

Mire de barres : SECAM, Norm L, Blanc 100%.

- En UHF, niveau d'entrée 1 mV
- Par la prise PÉritélévision, niveau d'entrée 1Vcc.

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 :

Farbbalken : PAL, Norm G, Weiss 100%

- Bei UHF Eingangspegel 1 mV.
- Über die Scartbuchse : Eingangspegel 1 Vss.

Farbe, Kontrast, Helligkeit in der Mitte des Bereichs, Ton auf Minimum.

Zugeordnetes Programm PR 01.

Gleichspannungen mit einem digitalen Voltmeter zur Masse gemessen.

RICEVITORE :

Monoscopio per barre : PAL, norma G. bianco 100%.

- In UHF, livello d'entrata 1 mV,
- Per la presa SCART, livello d'entrata 1 Vcc.

Colore, Contrasto, Luce a metà corsa, Suono minimo.

Programma designato PR 01.

Tensioni continue rilevate rispetto alla massa con un voltmetro numerico.

RECEPTOR :

Mira de barras : PAL, norma G, blanco 100%.

- En UHF, nivel de entrada 1 mV,
- Por la toma Peritelevision, nivel de entrada 1 Vpp.

Color, Contraste, luz a mitad de carrera, Sonido minimo.

Programa afectado PR 01.

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