


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.

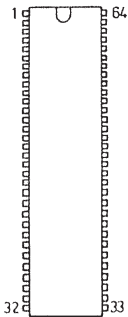
Programa afectado PR 01.

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

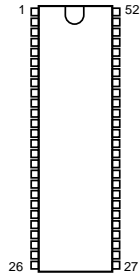
**LIST OF ABBREVIATIONS - LISTE DES ABREVIATIONS - ABKÜRZUNGEN
LISTA DELLE ABBREVIAZIONI - LISTA DE ABREVIACIONES**

● 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

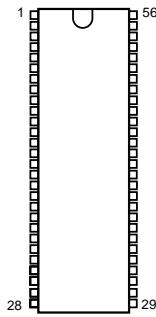
INTEGRATED CIRCUITS AND TRANSISTORS OUTLINE - CIRCUITS INTEGRES ET TRANSISTORS INTEGRIERTE SCHALTUNGEN UND TRANSISTOREN - CIRCUITI INTEGRATI TRANSISTOR CIRCUITOS INTEGRADOS Y TRANSISTORES



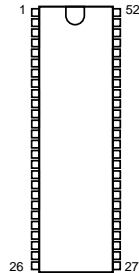
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TDA9367N1



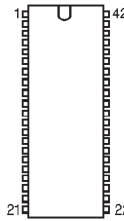
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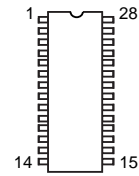
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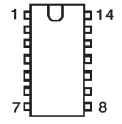
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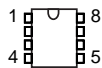
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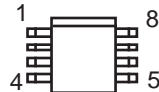
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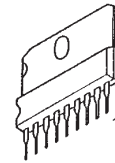
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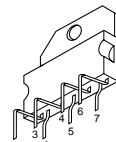
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M22W04



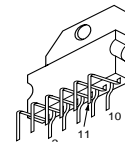
TDA 7267



STV8130



TDA9302H
TDA 9320H



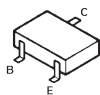
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TDA7263



MC7805/ACT
78L09



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



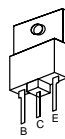
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BC 847B
BC856B
BC 858 B/C
BC857
BCR141
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MMBTH10L
RN1409
RN2417



TT52
BF 422
BF423
2SA1020
2SC2236



BC327



BUH515D
STP3NB90FP



STP3 NA80F1



EACEM-IRIS REPAIR CODING SYSTEM

SYMPTOM CODE TABLE



CONDITION CODE	MAIN SYMPTOM CODE	EXTENDED SYMPTOM CODE (*1)
1	1	NO ACTION
2	2	LEVEL
3	3	QUALITY
4	4	NOISE
5	5	UNSTABLE
6	6	RECORDING & PHYSICAL PROBLEMS
7	7	SPECIAL FUNCTIONS
8	8	OTHER CONDITIONS
1	GENERAL	110 POWER PROBLEM OR NOT OPERATING 111 NO POWER 112 NO POWER WHEN USING AC-ADAPTER 113 NO POWER WHEN USING DRY BATTERIES 114 NO POWER WHEN USING RECHARGEABLE BATTERIES 115 NO POWER FROM SOLAR CELL 116 NO POWER WHEN USING A CAR BATTERY 117 SHORT OPERATION TIME/SHORT BATTERY LIFE 118 POWER-OFF FUNCTION NOT WORKING 119 NO SWITCH-ON FROM STANDBY 11A POWERS UP, BUT NO OPERATION 11B CYCLIC POWER OFF 11C BLOWING EXTERNAL (MAINS) FUSE 11D SET SWITCHES OFF BY ITSELF 11E BACKUP BATTERY PROBLEM 11F NOT OPERATING 11G NO AUTOMATIC SWITCH ON/OFF 11H PROTECTION SWITCH/FUSE IN SET TRIGGERS 11J RECHARGEABLE BATTERY NOT RECOGNIZED 11X OTHER 'POWER' PROBLEM
1	COMMUNICATION	210 NO RECEPTION OR CONNECTION 211 NO AM RECEPTION 212 NO FM RECEPTION 213 NO SW RECEPTION 214 NO UHF RECEPTION 215 NO UHF RECEPTION 216 NO BS RECEPTION 217 NO CS RECEPTION 218 NO HDTV RECEPTION 219 NO GPS/OPS RECEPTION 21A NO RECEPTION OF DIGITAL BROADCASTING 21B NO IR RECEPTION 21C NO DIAL TONE 21D NO MODEM/FAX CONNECTION 21E MODEM NOT ANSWERING/NO CARRIER 21F NO NETWORK CONNECTION/NETWORK INITIALIZATION FAILS 21X OTHER 'NO RECEPTION' PROBLEM
2	PICTURE	310 NO PICTURE 311 NO PICTURE IN E TO E MODE 312 NO PICTURE IN PLAYBACK MODE 313 NO PICTURE IN VIEWFINDER 314 NO PICTURE, ONLY RASTER 315 NO RASTER, BLACK PICTURE 316 ONLY HORIZONTAL LINE 317 ONLY VERTICAL LINE 318 NO PICTURE IN LCD 319 NO 2nd (OR HIGHER) MONITOR DISPLAY 31X OTHER 'NO PICTURE' PROBLEM
3	COLOUR	410 NO COLOUR 411 NO COLOUR IN E TO E MODE 412 NO COLOUR IN PLAYBACK MODE 413 NO COLOUR IN VIEWFINDER 414 NO COLOUR IN PART OF PICTURE 41X OTHER 'NO COLOUR' PROBLEM
4	AUDIO	510 NO AUDIO 511 NO SOUND IN E TO E MODE 512 NO PLAYBACK OF OUTGOING MESSAGE(S) 513 NO PLAYBACK OF INCOMING MESSAGE(S) 514 NO AUDIO PLAYBACK 515 NO SOUND FROM HANDSET 516 NO SOUND FROM SPEAKER 517 NO SOUND FROM EARPHONE/HEADPHONE 518 NO MICROPHONE SOUND 519 NO SOUND FROM DIGITAL OUTPUT 51X OTHER 'NO AUDIO' PROBLEM
5	MECHANISM	610 NO MECHANICAL OPERATION 611 NO ROTATION OF MOTOR/DISC 612 NO FORWARD OPERATION 613 NO REVERSE OPERATION 614 NO FAST FORWARD OR REWIND FUNCTION 615 NO LOADING 616 NO UNLOADING OR EJECTING 617 NO AUTO SHUT-OFF OPERATION 618 TONEARM DOES NOT MOVE 619 DISC NOT BEING EJECTED 61A MAGAZINE OR MODULE LOADING/UNLOADING 61B CONTROL/SWITCH NOT WORKING 61X OTHER 'NO MECHANICAL OPERATION' PROBLEM
6	DATA PROCESSING	710 NO DATA PROCESSING OPERATION 711 NO INITIAL SCREEN 712 SYSTEM DOES NOT RESET 713 SYSTEM DOES NOT BOOT UP 714 NO OPERATION FROM PLUG-IN MODULE/PERIPHERAL 715 NO KEYBOARD OPERATION 716 NO OPERATION FROM OTHER INPUT/OUTPUT DEVICE 717 NO DATA STORAGE OPERATION 718 NO DATA COMMUNICATION 719 ERROR MESSAGE DISPLAY 71A HDD BOOT FAILURE 71B FDD BOOT FAILURE 71X OTHER 'NO DATA PROCESSING' PROBLEM
7	PRINT/COPY/SCAN	810 NO PRINT/COPY/SCAN OPERATION 811 NOT PRINTING 812 NO COMMUNICATION WITH PRINTER 813 PAPER NOT LOADING 814 NO PAPER FEED 815 NO IMAGE FIXATION 816 NO DOCUMENT FEEDING 817 SCANNER NOT WORKING 81X OTHER 'NO PRINT/COPY/SCAN OPERATION' PROBLEM
1	GENERAL	120 CHARGING PROBLEM 121 NO BATTERY CHARGING 122 INCOMPLETE BATTERY CHARGE 123 CHARGING TIME TOO LONG 12X OTHER 'CHARGING' PROBLEM
2	LEVEL	220 POOR RECEPTION OR CONNECTION 221 POOR AM RECEPTION 222 POOR FM RECEPTION 223 POOR SW RECEPTION 224 POOR UHF RECEPTION 225 POOR UHF RECEPTION 226 POOR BS RECEPTION 227 POOR CS RECEPTION 228 POOR HDTV RECEPTION 229 POOR GPS/OPS RECEPTION 22A POOR RECEPTION OF DIGITAL BROADCASTING 22B POOR IR RECEPTION 22X OTHER 'POOR RECEPTION' PROBLEM
3	QUALITY	230 TRANSMISSION/CONNECTION PROBLEM 231 NO TRANSMISSION/CONNECTION 232 POOR TRANSMISSION/CONNECTION 233 TRANSMISSION LEVEL TOO HIGH 234 NO TRANSMISSION BETWEEN BASE UNIT AND HANDSET 235 POOR TRANSMISSION BETWEEN BASE UNIT AND HANDSET 236 ONE-SIDED CONNECTION 237 MODEM HANGS UP IMMEDIATELY ONCE CONNECTED 238 MODEM DROPS LINE DURING CONNECTION 23X OTHER 'TRANSMISSION/CONNECTION' PROBLEM
4	NOISE	240 NOISY RECEPTION/TRANSMISSION 241 LINE NOISE 242 OSCILLATION 243 INTERSTATION INTERFERENCE 24X OTHER 'NOISY RECEPTION/TRANSMISSION' PROBLEM
5	UNSTABLE	250 UNSTABLE RECEPTION/TRANSMISSION 251 TUNING DRIFT 252 FADING 253 INTERMITTENT LINE/LINE BREAKING OFF 254 NO OR UNSTABLE CONNECTION COMBINED WITH 'WEAK SIGNAL STRENGTH' INDICATION 25X OTHER 'UNSTABLE RECEPTION/TRANSMISSION' PROBLEM
6	RECORDING & PHYSICAL PROBLEMS	260 TUNING PROBLEM 261 MANUAL TUNING PROBLEM 262 AUTOMATIC TUNING PROBLEM 263 INCORRECT TUNING CHANNEL 264 TUNING MEMORY PROBLEM 26X OTHER 'TUNING' PROBLEM
7	SPECIAL FUNCTIONS	270 SPECIAL COMMUNICATION PROBLEM 271 FAULTY DIALLING 272 FAULTY CHANNEL SELECTION 273 FAULTY AUTO-ANSWER OPERATION 274 FAULTY MESSAGE READ-OUT FUNCTION 275 FAULTY AUTODIAL/REDIAL MEMORY 276 FAULTY TELETEXT/PROCESSING 277 NO RINGING TONE 278 LOUD/WEAK RINGING TONE 279 MODEM STUCK OFF HOOK 27A FAX DOES NOT WORK PROPERLY 27B MODEM CAUSES PROBLEM WITH PHONE 27C NO MODEM DIAL TONE 27X OTHER 'SPECIAL COMMUNICATION' PROBLEM
8	OTHER CONDITIONS	280 SPECIAL RECEPTION PROBLEM 281 FAULTY STEREO RECEPTION 282 FAULTY MAIN CHANNEL (A) FUNCTION 283 FAULTY SUB-CHANNEL (B) FUNCTION 284 FAULTY SSB RECEPTION 285 FAULTY RDS/VPS/PDC/XDS OPERATION 286 FAULTY TELETEXT/CLOSE CAPTION/EPG RECEPTION 287 FAULTY SATELLITE/RTTY RECEPTION 288 FAULTY FAX OPERATION 289 MODEM NOT RECOGNIZED BY SYSTEM 28A FAULTY CALL CHARGE DISPLAY 28B FAULTY HANDS-FREE OPERATION 28C SET LOCKED 28X OTHER 'SPECIAL RECEPTION' PROBLEM
5	UNSTABLE	350 UNSTABLE PICTURE 351 SYNC PROBLEM 352 PICTURE PUMPING 353 PICTURE JITTER 354 PICTURE SHAKING (HORIZONTAL OR VERTICAL) 355 FLICKERING PICTURE 356 FLASHING PICTURE 357 CYCLIC PICTURE MUTING 358 HEAD IMPACT ERROR CAUSING UNSTABLE PICTURE 359 VCR SKEW/H-SHIFT ERROR 35A FROZEN PICTURE 35B JUMPING/REPEATING PICTURE 35X OTHER 'UNSTABLE PICTURE' PROBLEM
6	RECORDING & PHYSICAL PROBLEMS	360 POOR PICTURE RECORDING 361 NO PICTURE RECORDING 362 NO ERASURE PROTECTION FOR VIDEO 363 PREVIOUS VIDEO RECORDING NOT BEING ERASED 364 UNWANTED ERASURE OF PICTURE 365 NO CAMERA RECORDING 366 ONLY ONE FIELD PER FRAME BEING RECORDED 367 RECORDS ONLY A FEW PICTURES 36X OTHER 'PICTURE RECORDING' PROBLEM
7	SPECIAL FUNCTIONS	370 SPECIAL PICTURE FUNCTION PROBLEM 371 EDITING PROBLEM 372 FAULTY FADING/WIPER OPERATION 373 FAULTY NEGATIVE/POSITIVE SWITCHING FUNCTION 374 FAULTY SUPERIMPOSE/TELOP OPERATION 375 FAULTY PICTURE IN PICTURE/DIGITAL PICTURE OPERATION 376 FAULTY PICTURE TRANSMISSION 377 RECORDS ONLY A FEW PICTURES 378 FAULTY GENLOCK FUNCTION 379 FAULTY FLASH/STROBE FUNCTION 37A FAULTY DIGITAL PICTURE/ZOOMING FUNCTION 37B FAULTY AUTO-EDIT FUNCTION 37C FAULTY PICTURE STABILIZER FUNCTION 37D FAULTY STILL OR INDEX PICTURE FUNCTION 37E FAULTY SUBTITLING FUNCTION 37F FAULTY VARIABLE SPEED PLAYBACK 37G FAULTY VIEW-MULTI-ANGLE SWITCHING 37H FAULTY ASPECT RATIO SWITCHING 37I THUMBNAIL OR INDEX PICTURE PROBLEM 37K NO BLANKING SCREEN 37X OTHER 'SPECIAL PICTURE FUNCTION' PROBLEM
8	OTHER CONDITIONS	380 PICTURE DISPLAY/PICKUP PROBLEM 381 BURN MARK ON DISPLAY/PICKUP 382 SCRATCH ON DISPLAY/PICKUP 383 DUST/DIRT ON DISPLAY/PICKUP 384 PHOSPHOR/PIXEL MISSING ON DISPLAY/PICKUP 385 BRIGHT POINT(S) IN PHOSPHOR/PIXEL LINES ACROSS/DOWN IMAGE 386 OUT OF SPECS PIXEL DEFAULTS 387 BACKGROUND BURN IN 388 OTHER 'PICTURE DISPLAY/PICKUP' PROBLEM
5	UNSTABLE	450 UNSTABLE COLOUR 451 COLOUR FLASHING 452 HUE CONSTANTLY CHANGING 453 FLICKERING COLOUR 454 COLOUR NOT LOCKED 45X OTHER 'UNSTABLE COLOUR' PROBLEM
6	RECORDING & PHYSICAL PROBLEMS	460 POOR COLOUR RECORDING 461 NO COLOUR RECORDING 462 NOISY COLOUR RECORDING 46X OTHER 'COLOUR RECORDING' PROBLEM
7	SPECIAL FUNCTIONS	470 SPECIAL COLOUR FUNCTION PROBLEM 471 FAULTY AUTOMATIC WHITE BALANCE 472 FAULTY WHITE BALANCE FUNCTION 47X OTHER 'SPECIAL COLOUR FUNCTION' PROBLEM
8	OTHER CONDITIONS	480 SPECIAL COLOUR FUNCTION PROBLEM 481 FAULTY AUTOMATIC WHITE BALANCE 482 FAULTY WHITE BALANCE FUNCTION 48X OTHER 'SPECIAL COLOUR FUNCTION' PROBLEM
5	UNSTABLE	550 UNSTABLE AUDIO 551 JUMPING OR REPEATING AUDIO 552 AUDIO PUMPING OR BREATHING 553 AUDIO DROPOUTS 554 CYCLIC AUDIO MUTING 555 WOW AND FLUTTER 556 HOWLING/ACOUSTIC FEEDBACK 557 ECHO IN SOUND 55X OTHER 'UNSTABLE AUDIO' PROBLEM
6	RECORDING & PHYSICAL PROBLEMS	560 POOR AUDIO RECORDING 561 AUDIO NOT BEING RECORDED 562 NO ERASURE PROTECTION FOR AUDIO 563 PREVIOUS AUDIO RECORDING NOT BEING ERASED 564 UNWANTED ERASURE OF AUDIO 565 MESSAGE NOT BEING RECORDED 566 DISTORTED AUDIO RECORDING 56X OTHER 'AUDIO RECORDING' PROBLEM
7	SPECIAL FUNCTIONS	570 POOR SPECIAL AUDIO FUNCTION 571 FAULTY FADE OPERATION 572 FAULTY ECHO OPERATION 573 FAULTY MIXING OPERATION 574 FAULTY REPEAT MODE OPERATION 575 FAULTY AUDIO PROCESSING 576 FAULTY SYNC RECORDING OPERATION 577 FAULTY DBB/DOL OPERATION 578 FAULTY NOISE REDUCTION OPERATION 579 FAULTY AUDIO DUB FUNCTION 57A FAULTY TITLE PROGRAMMING 57B FAULTY MIC CONTROL 57C FAULTY FITCH CONTROL 57X OTHER 'SPECIAL AUDIO FUNCTION' PROBLEM
8	OTHER CONDITIONS	580 STEREO/MULTI MODE OPERATION PROBLEM 581 NO STEREO OPERATION 582 POOR CHANNEL SEPARATION 583 DIFFERENCE IN PHASE BETWEEN CHANNELS 584 PROBLEM WITH SURROUND SOUND MODE 585 PROBLEM WITH PCM AUDIO MODE 58X OTHER 'STEREO/MULTI MODE' PROBLEM
6	RECORDING & PHYSICAL PROBLEMS	660 DAMAGE TO MEDIA 661 TAPE GETS SCRATCHED 662 DISC GETS SCRATCHED 663 TAPE GETS CHEWED/WRINKLED 664 TAPE JAMMED OR BROKEN 665 DAMAGED WHEEL(S) 666 SLACK TAPE 667 TAPE STICKING 66X OTHER 'SOFTWARE DAMAGE' PROBLEM
7	SPECIAL FUNCTIONS	670 MECHANICAL OPERATION PROBLEM 671 FAULTY START/STOP OPERATION 672 FAULTY PAUSE OPERATION 673 FAULTY AUTOMATIC PROGRAM SEARCH 674 FAULTY CUE/REVIEW MODE 675 FAULTY SLOW MOTION OPERATION 676 FAULTY HIGH-SPEED SCANNING MODE 677 FAULTY SPEED COPY FUNCTION 678 FAULTY REPEAT OPERATION 679 FAULTY RECORD REVIEW MODE 67A FAULTY AMS OPERATION 67B AUTO-REVERSE MALFUNCTION 67C FAULTY END DETECTION 67D FAULTY DISC SIDE (A-B SELECT) SWITCHING 67X OTHER 'MECHANICAL OPERATION' PROBLEM
8	OTHER CONDITIONS	680 LENS PROBLEM 681 FOCUS PROBLEM 682 ZOOM PROBLEM 683 IRIS PROBLEM 684 MACRO PROBLEM 68X OTHER 'LENS' PROBLEM
6	RECORDING & PHYSICAL PROBLEMS	760 DATA STORAGE PROBLEM 761 FORMATTING PROBLEM 762 DATA ON STORAGE MEDIUM BEING LOST 763 FRAME MEMORY PROBLEM 764 READ/WRITE ERRORS 765 HARD-OR OPTICAL DRIVE PROBLEM 766 FLOPPY DRIVE PROBLEM 767 CD/DVD-ROM DRIVE PROBLEM 768 TAPE PROBLEM 769 DRIVE WILL NOT MOUNT/CANNOT ACCESS DRIVE 76A DISCS EXCHANGE PROBLEM 76B READ/WRITE OPERATION VERY SLOW 76X OTHER 'DATA READ/WRITE' PROBLEM
7	SPECIAL FUNCTIONS	770 SPECIAL DATA PROCESSING FUNCTION PROBLEM 771 FAULTY SELF-DIAGNOSTIC MODE 772 FAULTY WORD PROCESSING FUNCTION 773 FAULTY GRAPHIC EDIT FUNCTION 774 PROGRAM CANNOT BE INSTALLED 775 PRE-LOADED PROGRAM CANNOT BE STARTED UP 776 NOT PRE-LOADED PROGRAM CANNOT BE STARTED UP 777 VIRUS ALARM 77X OTHER 'SPECIAL DATA FUNCTION' PROBLEM
8	OTHER CONDITIONS	780 INTERFACE PROBLEM 781 USB INTERFACE PROBLEM 782 PARALLEL INTERFACE PROBLEM 783 SCSI INTERFACE PROBLEM 784 SERIAL INTERFACE PROBLEM 785 INCOMPATIBLE WITH OTHER SYSTEMS 786 AUDIO/VIDEO INTERFACE PROBLEM 787 I/LINK/FIREWIRE/IEEE1394 INTERFACE PROBLEM 78X OTHER 'INTERFACE' PROBLEM
6	RECORDING & PHYSICAL PROBLEMS	860 RIBBON/PAPER PROBLEMS 861 RIBBON BROKEN 862 RIBBON STUCK/STICKING 863 RIBBON DERAILED 864 PAPER STUCK/STICKING TO MECHANISM 865 PAPER JAM 866 DOCUMENT JAM 867 ERONEOUS 'NO INK/TONER' MESSAGE 86X OTHER 'RIBBON/PAPER' PROBLEM
7	SPECIAL FUNCTIONS	870 FAULTY FONT/CHARACTER FUNCTIONS 871 INCORRECT CHARACTERS OR IMAGE 872 INCORRECT CHARACTER SIZE 873 FONT LOADING PROBLEM 874 OTHER 'FAULTY FONT/CHARACTER FUNCTION' PROBLEM
8	OTHER CONDITIONS	880 FAULTY FONT/CHARACTER FUNCTIONS 881 INCORRECT CHARACTERS OR IMAGE 882 INCORRECT CHARACTER SIZE 883 FONT LOADING PROBLEM 88X OTHER 'FAULTY FONT/CHARACTER FUNCTION' PROBLEM

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		ELECTRICAL	
A	WORN OUT (OR GENERAL MECHANICAL DEFECT)	N	DEFECTIVE ELECTRICAL COMPONENT/MODULE
A1	MISOPERATING	O	BURNT, ARCING, MISSING PIXELS
B	DIRTY, CLOGGED	P	ELECTRICALLY MISALIGNED/WRONG SETTING
C	MECHANICALLY MISALIGNED	Q	SHORT CIRCUIT
D	CUT, BROKEN	R	OPEN CIRCUIT
E	DEFORMED	S	LEAKING (ELECTRICAL)
F	SNAPPED	T	BAD CONTACT, CONNECTION
G	SCRATCHED, DENTED, SHARP EDGES	T1	BAD EARTH CONNECTION
H	CRACKED, PEELED, CORRODED, MELTED	U	OPEN PATTERN
I	LOOSE/OFF/STRIPPED	V	CRACKED PRINTED CIRCUIT BOARD
J	SHAKY, UNSTABLE	W	COLD OR NO SOLDERING
K	LEAKING (MECHANICAL)	X	BRIDGED SOLDERING
L	DRY (NO LUBRICANT)	Y	WRONG COMPONENT/MODULE
M	FOREIGN OBJECT	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		

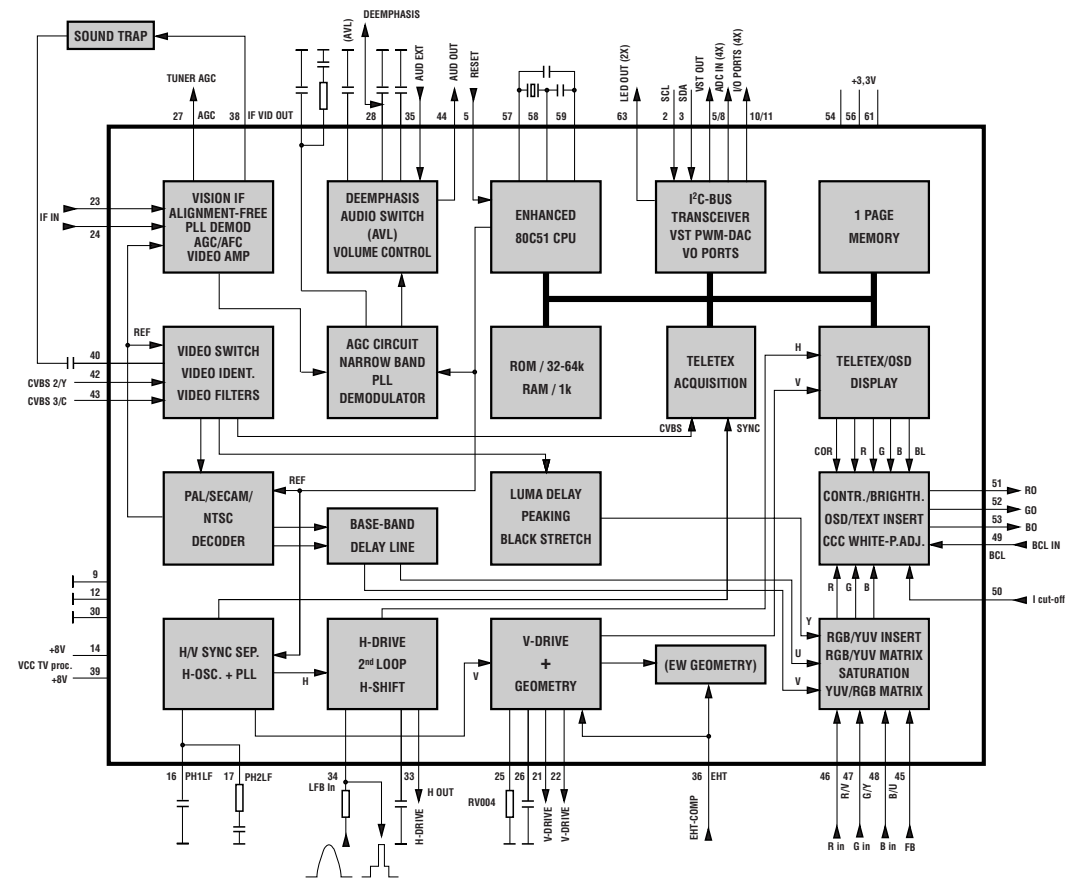
EXAMPLE OF USE:

FLAG	SYMPTOM CODE	PART NO.	REF. NO.	SECTION	PCB	DEFECT CODE	REPAIR CODE	QTY
1	1 4 1 2 3 6 4 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R 1 2 3	T D M	Y A 2 2	C 1	Z 1
.	.	.	1 1 1

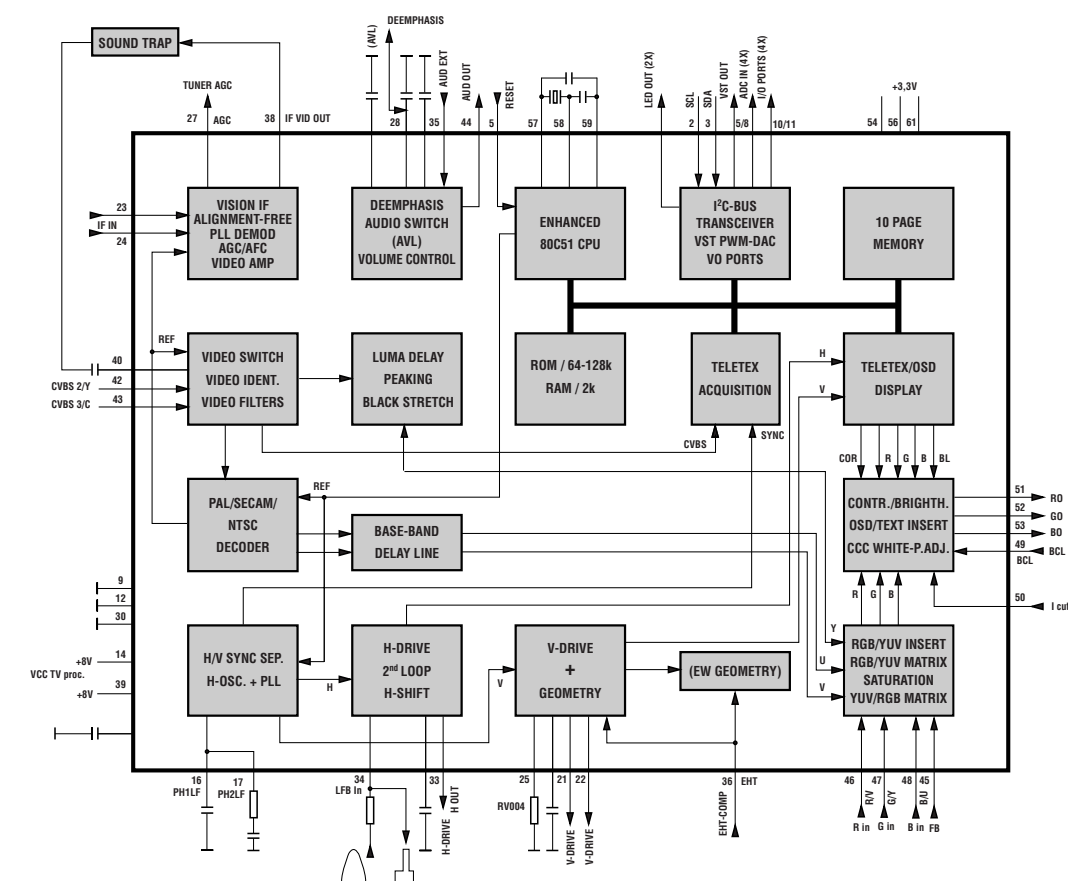
FLAG: INDICATES THE ONE MAJOR SYMPTOM/PART COMBINATION BY '1'

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

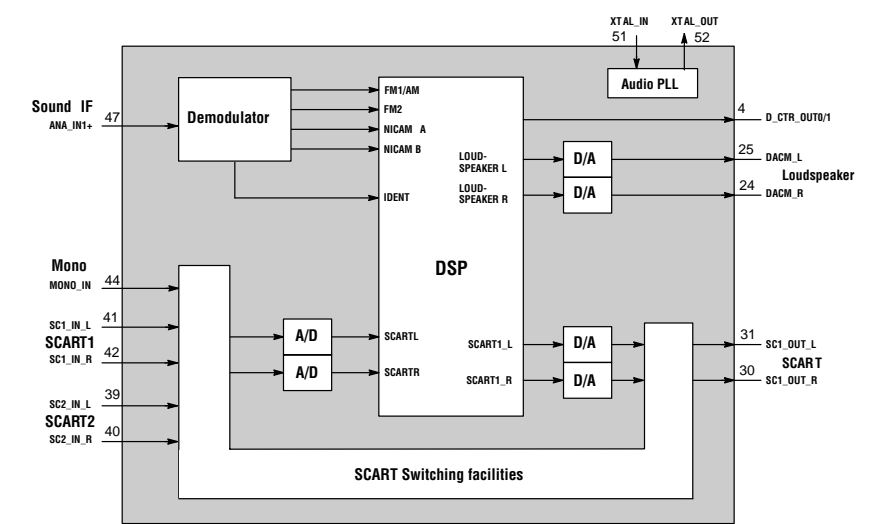


TDA9367N1 MICROPROCESSOR

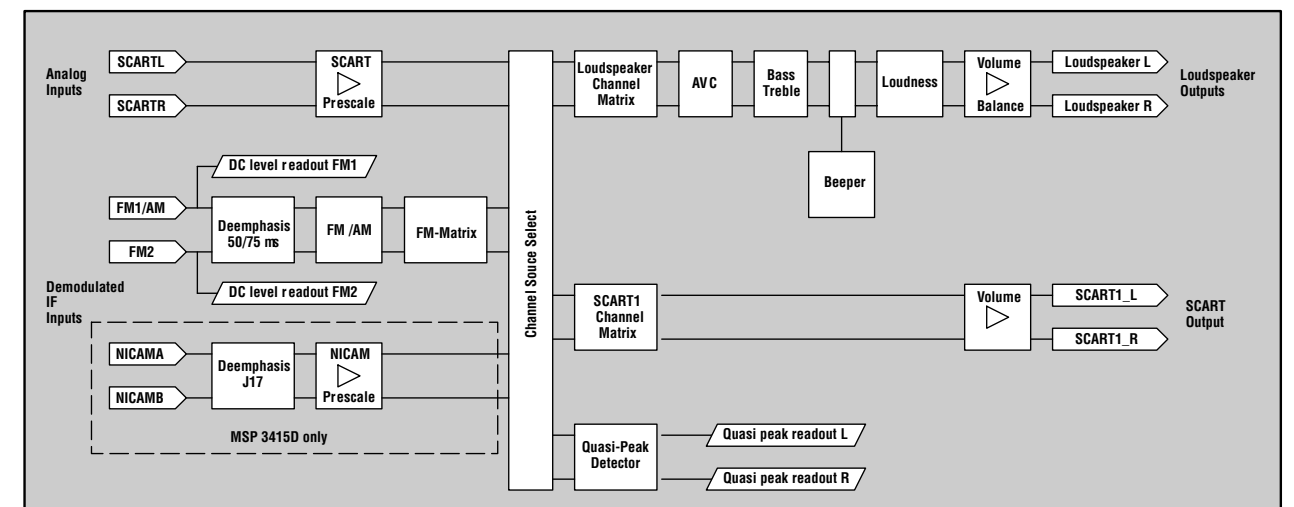


MSP 3415D

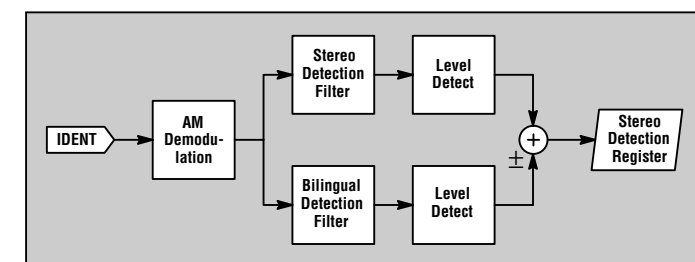
MULTISTANDARD SOUND PROCESSOR



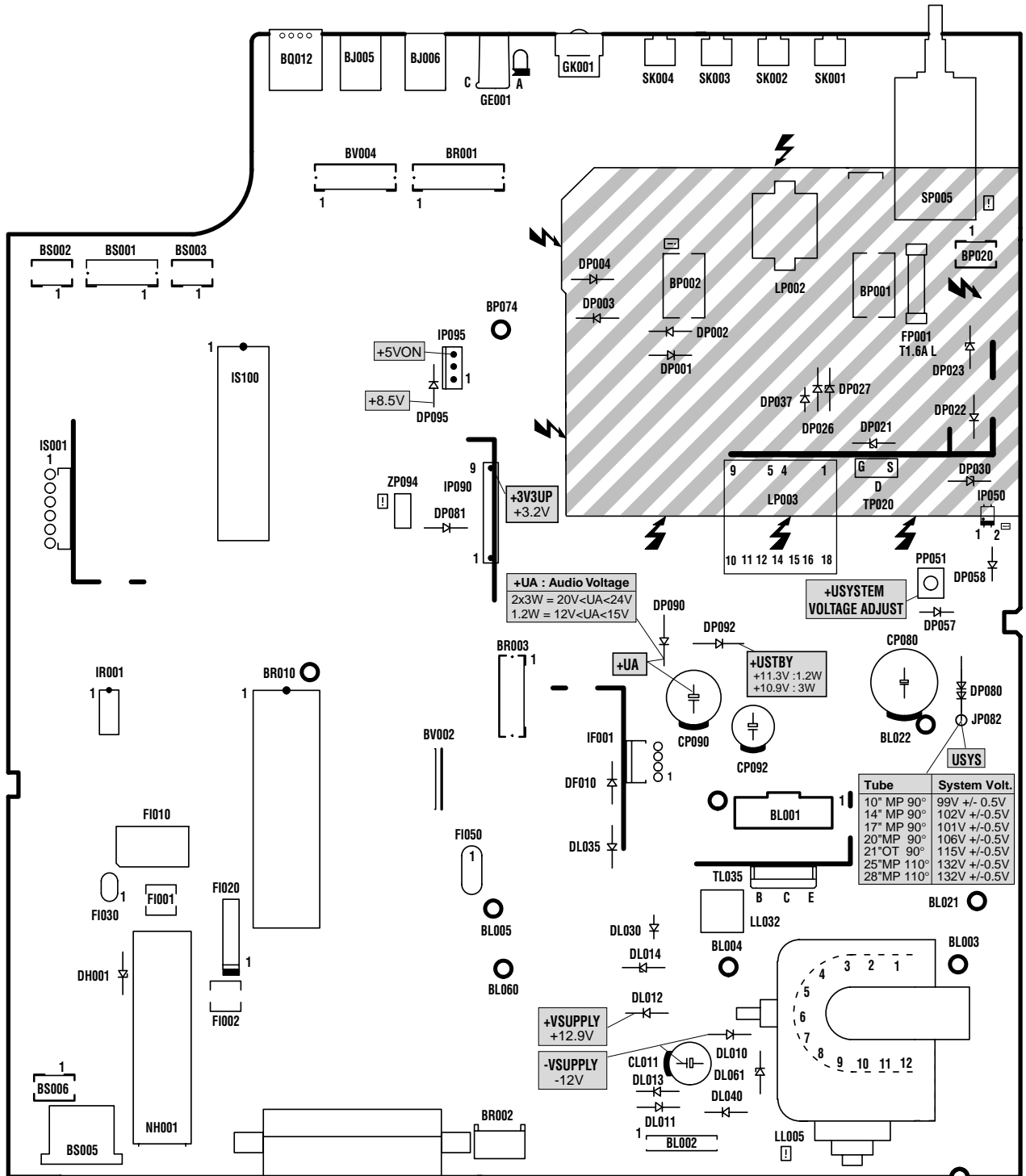
AUDIO BASEBAND PROCESSING



DETECTION PART OF THE MSP3415D



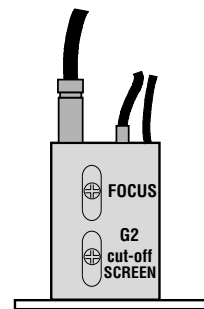
LOCATION OF CONTROLS - EMBLACEMENT DES REGLAGES - LAGEPLAN EINSTELLER -
 POSIZIONE REGOLATORI DI SERVIZIO - SITUACIÓN DE LOS AJUSTES



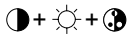
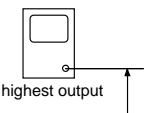
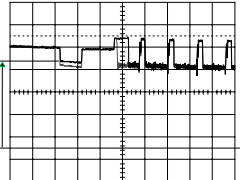


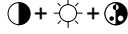

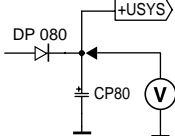
Part of board connected to mains supply.
 Partie du châssis reliée au secteur.
 Primärseite des Netzteils.
 Parte dello chassis collegata alla rete.
 Parte del chasis conectada a la red



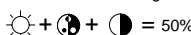




Use isolating mains transformer -
 Utiliser un transformateur isolateur du secteur -
 Trenntrafo verwenden -
 Utilizar un transformador aislador de red -
 Utilizzare un trasformatore per isolarvi dalla rete



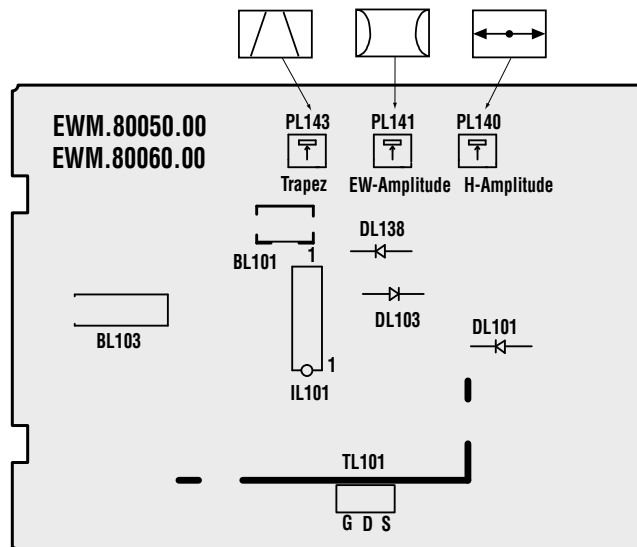
ADJUSTMENTS - REGLAGES - EINSTELLUNGEN - REGOLAZIONE - AJUSTES

U G2 / CUTOFF LL05	Peak white pattern  = 50%	 highest output CRT IB01: Pins 9 / 8 / 7		<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>25" MP 110°</td><td>125V* +/- 3V</td></tr> </tbody> </table> 140V: with IV001: TDA9554PS	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	25" MP 110°	125V* +/- 3V																								
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MAIN SYSTEM VOLTAGE +USYS PP051	 = 50% TV to AV : Black tes pattern 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>106V +/-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>25"MP 110°</td><td>132V +/-0.5V</td><td>127k</td><td>JL982</td><td>JL992</td></tr> <tr><td>28"MP 110°</td><td>132V +/-0.5V</td><td>127k</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°	106V +/-0.5V	86k6	JL981	JL992	21"OT 90°	114V +/-0.5V	95k3	JL982	JL992	25"MP 110°	132V +/-0.5V	127k	JL982	JL992	28"MP 110°	132V +/-0.5V	127k	JL982	JL992
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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>GB - Please refer to geometry Mode alignment (110° tube) , page 7, to adjust the East West Module (EWM).</p> <p>F - Se référer à la méthode d'alignement des géométries (tubes 110°), page 7 pour effectuer les réglages du Module Est-Ouest (EWM).</p> <p>D - Abgleich des Ost-West-Modules: Siehe Geometrie-Abgleich (110°), Seite 7.</p> <p>I - Per le regolazioni del Modulo Est-Ovest fare riferimento al modo allineamento geometria (tubi 110°), pagina 7.</p> <p>E - Para los ajustes del módulo Este-Oeste (EWM) ver la página 7, modo ajuste geometria (tubo 110°)</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> PL140  </div> <div style="text-align: center;"> PL141  </div> <div style="text-align: center;"> PL143  </div> </div>	

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



SERVICE-MODE

GB

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 \wedge/\vee buttons to select the menu line.
- Press the \langle/\rangle 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 \wedge/\vee 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 \langle/\rangle 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

F

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 \wedge/\vee pour sélectionner une ligne de menu.
- Appuyer sur la touche \langle/\rangle 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 " \wedge/\vee " 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 \langle/\rangle .
- 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

D

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 \wedge/\vee zum Auswählen der Menüzeile.
- Drücken Sie die \langle/\rangle -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 \wedge/\vee - 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 \langle/\rangle 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

E

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 \wedge/\vee para seleccionar la línea del menú.
- Pulse el botón \langle/\rangle para ajustar o seleccionar una opción del menú.

SERVICE-MODE

I

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 \wedge/\vee per selezionare la linea del menu
- Premere i tasti \langle/\rangle 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 \wedge/\vee . 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 \langle/\rangle 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 \wedge/\vee . 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 \langle/\rangle 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 = 03H
WBF-R*	factory Setting WBF-R = 88H
SOC1-0	Specific TDA9554PS (UOC-N2) factory Setting SOC1=2FH
OIF	Specific TDA9554PS (UOC-N2) factory Setting OIF=20H

GEOMETRY LINES*	
HS	20 0-3F
VS	◀ 1A 0-3F ▶
VA	20 0-3F
SC	10 0-3F
VSH	20 0-3F

HS		
VS		
VA		
SC		
VSH		

VIDEO LINES	
CL	◀ 00 0-0F ▶
BLORS*	08 0-0F
BLOGS*	08 0-0F
WPRS*	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	
BLOGS / BLOGP	Black Level Offset Green SECAM/PAL	
Drive**		
WPRS / WPRP	White Point Red SECAM/PAL	
WPGS / WPGP	White Point Green SECAM/PAL	
WPBS / WPBP	White Point Blue SECAM/PAL	
PWS / PWP**	Peak White SECAM/PAL	
BKS	Black Stretch	
YD	Luminance Delay	

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
- Set TOP to 00 - Adjust TOP for maximum gain of IF signal. - Reduce IF level about 8dB. ROM Default Value : AGC : 20	
FFI*	Fast Filter IF-PLL
ACL*	Automatic Colour limiting

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
	- Colour Decoder 0 = 84 - Colour Decoder 1 mono sets: CD1 = 80H stereo sets: CD1 = 00H Factory Setting.
SYN0	- Synchronisation 0 = 30
SYN1	- Synchronisation 1 = 1C Factory Setting.
DEF	- Deflection = 00 Factory Setting.
VI0	- Vision IF 0 = 40
VI1	- Vision IF 1 = 00 Factory Setting.
SOUND	- Sound = 00 Factory Setting.
CONT0	- Control 0 = 40
CONT1	- Control 1 = 00 Factory Setting.
FEAT0	- Features 0 = 00 Factory Setting.

OSD	DESCRIPTION	DEFAULT VALUE (HEX)
ID	Software	
INIT	Initialise TV set	
STANDARD	RF Norm Group Selection	0 (EU)
KEY	Key Lock	OFF
OSDCONTR	OSD Contrast	03
WBF-R	Timing of wide blanking	88
SOC1-0	Peak White Limiting	08
OIFS	Offset IF demodulator	20
FR	France	00
HS	Horizontal Shift	20
VS	Vertical Slope	1A
VA	Vertical Amplitude	20
SC	S-Correction	10
VSH	Vertical Shift	20
CL	Cathode Level	00
BLORS	Black Level Offset Red SECAM	8
BLORP	Black Level Offset Red PAL	8
BLOGS	Black Level Offset Green SECAM	8
BLOGP	Black Level Offset Green SECAM	8
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	20
FFI	Fast Filter IF-PLL	00
ACL	Automatic Colour limiting	00
CD0	Colour Decoder 0	84
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	40
CONT1	Control 1	00
FEAT0	Features 0	00

GEOMETRY MODE ALIGNMENT

90° tube

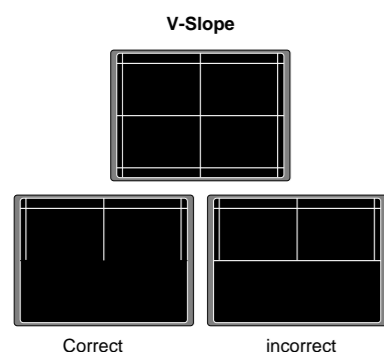
Signal : 50 Hz - 4/3 test pattern

4 / 3 standard mode		Overscan V=107% , H=107%
		1 - Adjust Horizontal Centering (HS)
		2 - Adjust Vertical centering (VSH) and Vertical amplitude 107% (VA)
		3 - Adjust Vertical Slope (VS) and linearity (SC)
		4-If necessary repeat VSH, VA alignment to 7% overscan.

110° tube

Signal : 50 Hz - 4/3 test pattern

4 / 3 standard mode		Overscan V=107% , H=107%
		EAST-WEST MODULE
		1 - PL140 : Turn fully counterclockwise.
		MAIN BOARD
		2 - Adjust Horizontal Centering (HS)
		3 - Adjust Vertical centering (VSH) and Vertical amplitude 107% (VA)
		4 - Adjust Vertical Slope (VS) and linearity (SC)
		5 - If necessary repeat VSH, VA alignment to 7% overscan.
		EAST-WEST MODULE
		6 - PL140 : Adjust Horizontal amplitude with PL140 for optimum overscan.
		7 - PL141 : Adjust Pincushion.
		8 - PL143 : Adjust Trapezium
		9 -If necessary repeat Horizontal amplitude, pincushion correction and trapezium alignment



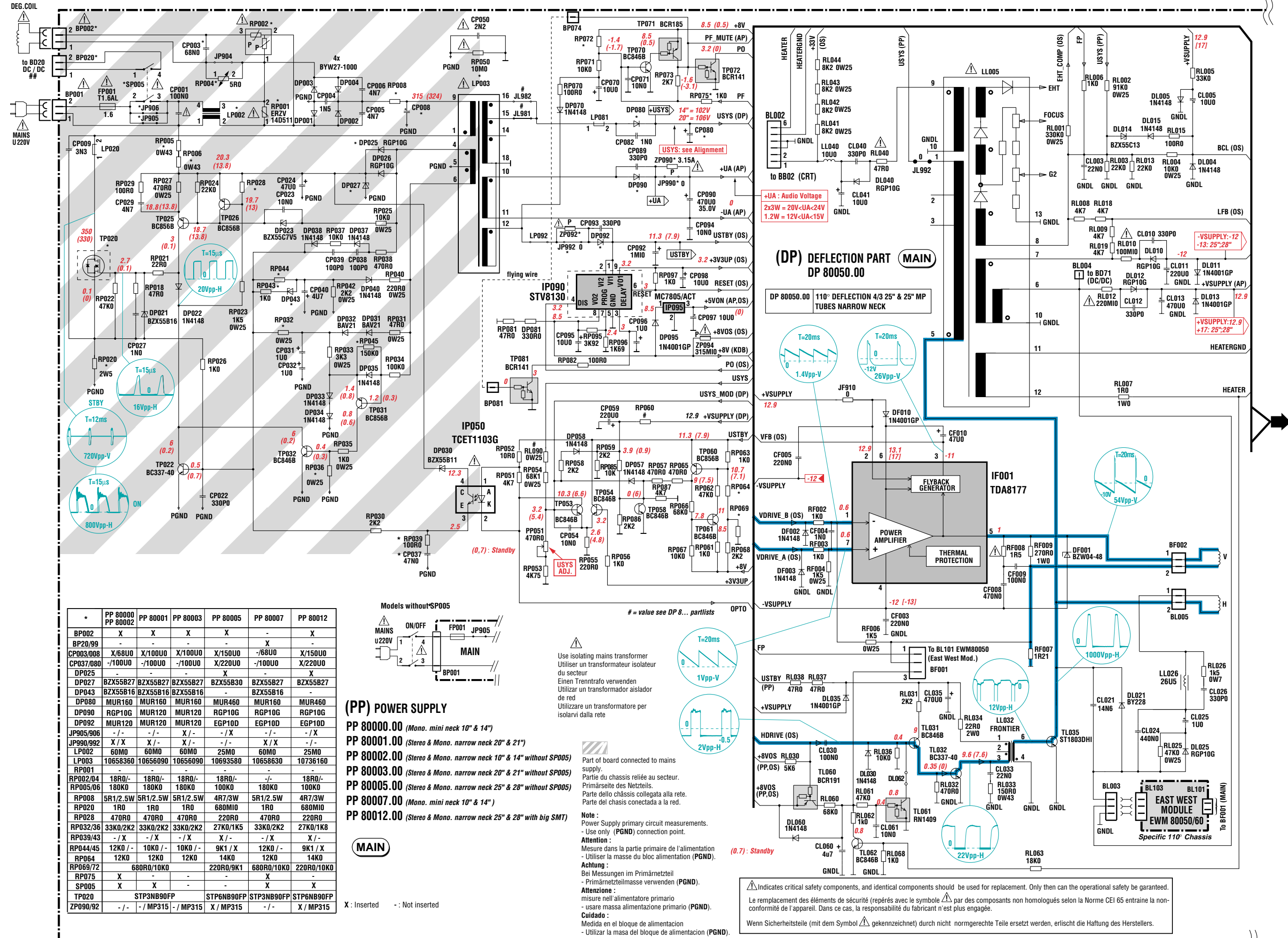
* According to software version.
** " S " : Video signal received is SECAM.
" P " : Video signal received is PAL.

*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.
Effetuar le regolazioni G2 e del Fuoco innanzitutto.
Efectuar previamente los ajustes de G2 y Foco

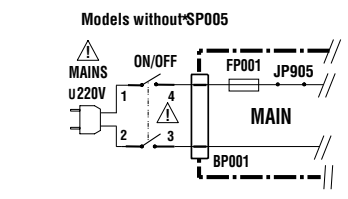
** Adjust separate for PAL / SECAM
" S " : Video signal received is SECAM.
" P " : Video signal received is PAL.

* According to software version.

COMPLETE PCB DIAGRAM - SCHEMA PLATINE PRINCIPALE EQUIPEE - SCHALTUNG LEITERPLATTE KPL - SCHEMA PIASTRA COMPLETA - ESQUEMA PLATINA EQUIPADA
 25" - 25" MP TUBES NARROW NECK



*	PP 80000	PP 80001	PP 80003	PP 80005	PP 80007	PP 80012
BP002	X	X	X	X	-	X
BP20/99	-	-	-	-	X	-
CP003/008	X/680U	X/100U	X/100U	X/150U	-/68U	X/150U
CP037/080	-/100U	-/100U	-/100U	X/220U	-/100U	X/220U
DP025	-	-	-	X	-	X
DP027	BZX55827	BZX55827	BZX55827	BZX55830	BZX55827	BZX55827
DP043	BZX55816	BZX55816	BZX55816	-	BZX55816	-
DP080	MUR160	MUR160	MUR160	MUR160	MUR160	MUR460
DP090	RGP10G	MUR120	MUR120	RGP10G	RGP10G	RGP10G
DP092	MUR120	MUR120	MUR120	EGP10D	EGP10D	EGP10D
JP905/906	-/-	-/-	X/-	-/-	-/-	-/-
JP909/992	X/X	X/-	X/-	-/-	X/X	-/-
LP002	60M	60M	60M	25M	60M	25M
LP003	10658360	10656090	10656090	10693580	10658630	10736160
RP001	-	-	-	-	-	-
RP002/04	18R0/-	18R0/-	18R0/-	18R0/-	-/-	18R0/-
RP005/06	180K0	180K0	180K0	100K0	180K0	100K0
RP008	5R1/2.5W	5R1/2.5W	5R1/2.5W	4R7/3W	5R1/2.5W	4R7/3W
RP020	1R0	1R0	1R0	680M0	1R0	680M0
RP028	470R0	470R0	470R0	220R0	470R0	220R0
RP032/36	33K0/2K2	33K0/2K2	33K0/2K2	27K0/1K5	33K0/2K2	27K0/1K8
RP039/43	-/X	-/X	-/X	X/-	-/X	X/-
RP044/45	12K0/-	10K0/-	10K0/-	9K1/X	12K0/-	9K1/X
RP064	12K0	12K0	12K0	14K0	12K0	14K0
RP069/72	-	680R0/10K0	-	220R0/9K1	680R0/10K0	220R0/10K0
RP075	X	-	-	-	X	-
SP005	X	X	-	-	X	X
TP020	-	STP3NB90FP	-	STP6NB90FP	STP3NB90FP	STP6NB90FP
ZP090/92	-/-	-/MP315	-/MP315	X/MP315	-/-	X/MP315



(PP) POWER SUPPLY
 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)

MAIN
 X: Inserted - : Not inserted

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

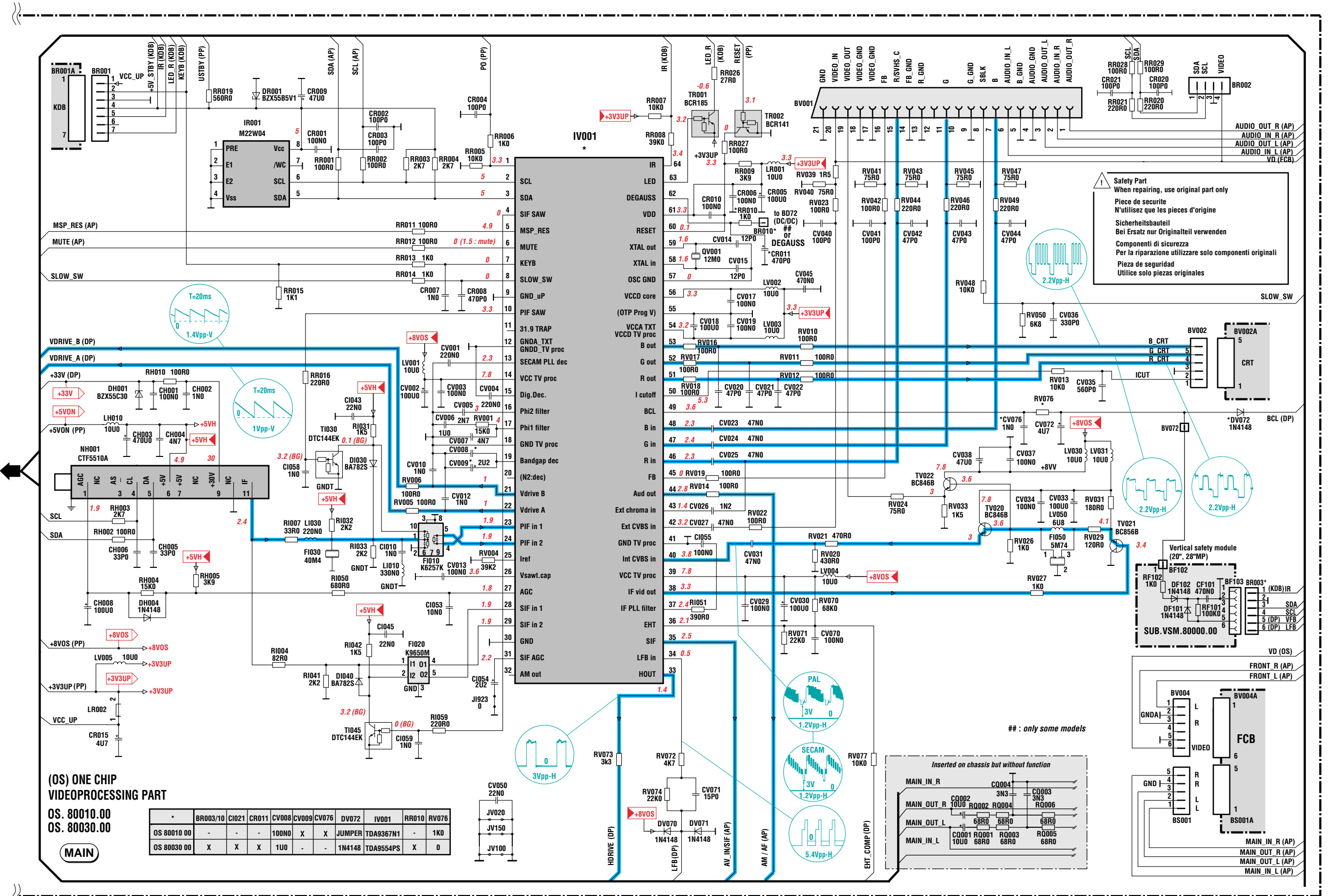
Part of board connected to mains supply.
 Partie du chassis reliée au secteur.
 Primärseite des Netzteils.
 Parte dello chassis collegata alla rete.
 Parte del chasis conectada a la red.

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).

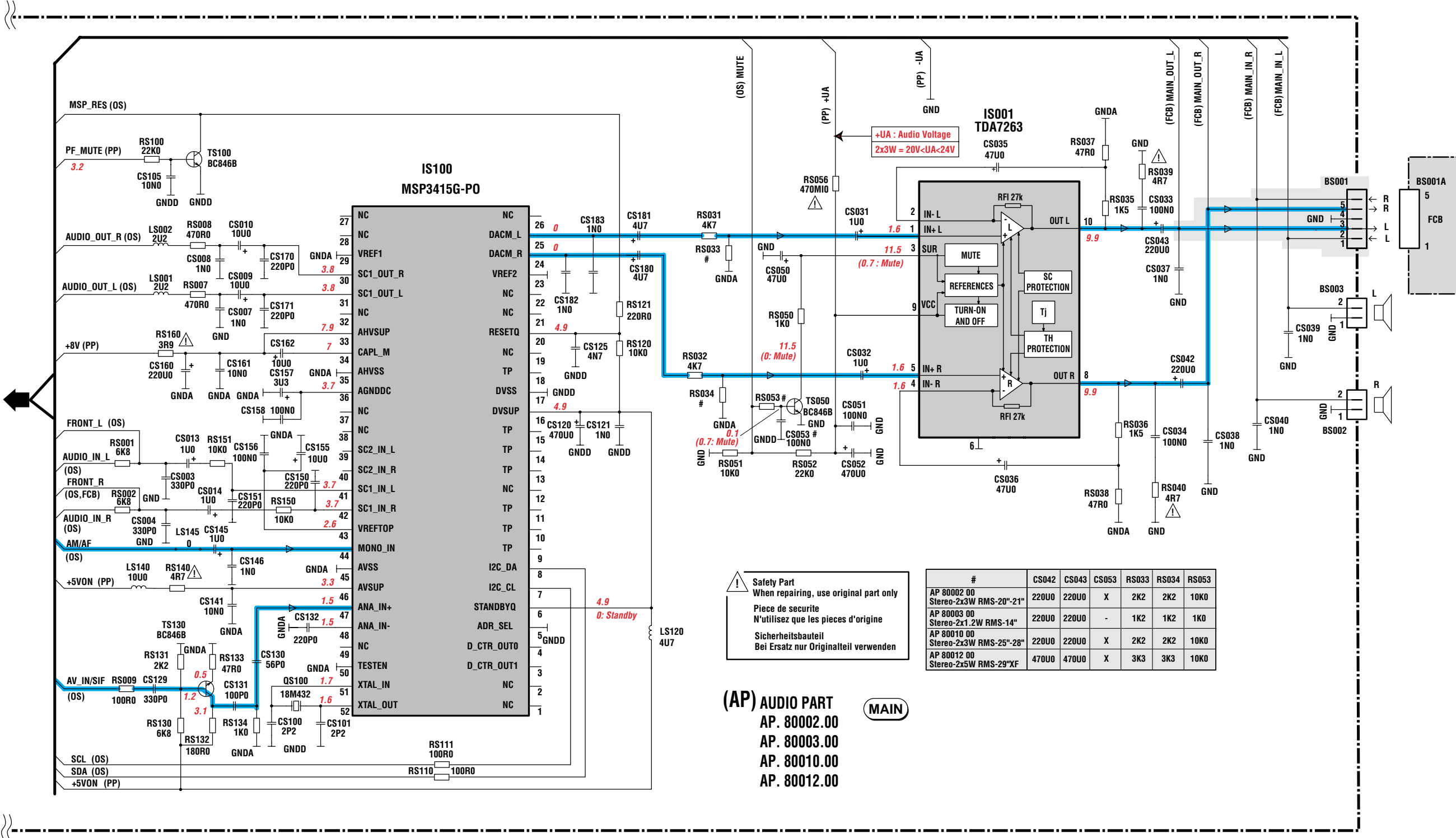
⚠ Indicates critical safety components, and identical components should be used for replacement. Only then can the operational safety be guaranteed.
 Le remplacement des éléments de sécurité (repérés avec le symbole ⚠ par des composants non homologués selon la Norme CEI 65 entraine la non-conformité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

TX807 CS - Stereo



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



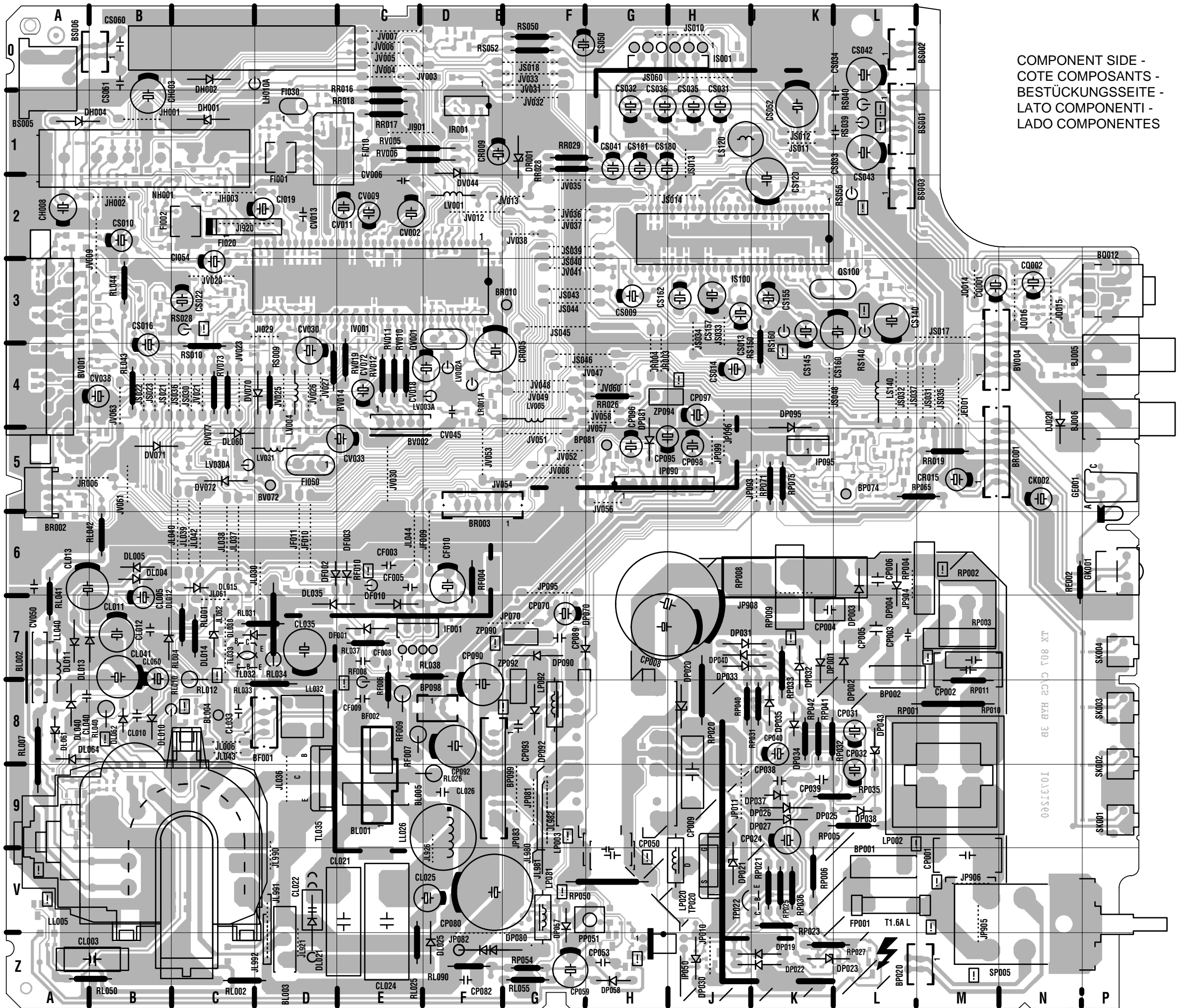
Safety Part
 When repairing, use original part only
 Piece de securite
 N'utilisez que les pieces d'origine
 Sicherheitsbauteil
 Bei Ersatz nur Originalteil verwenden

#	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

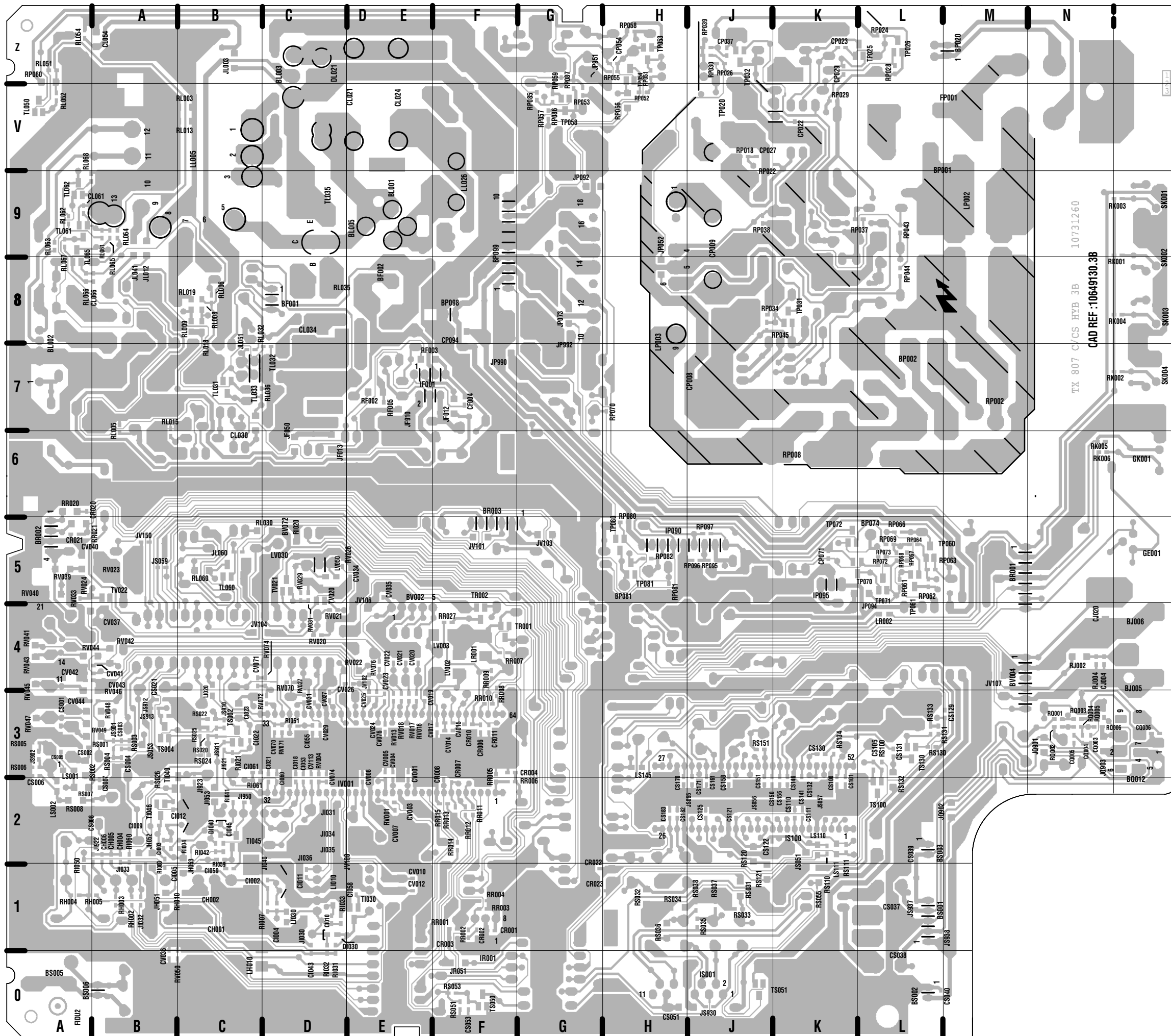
MAIN

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



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

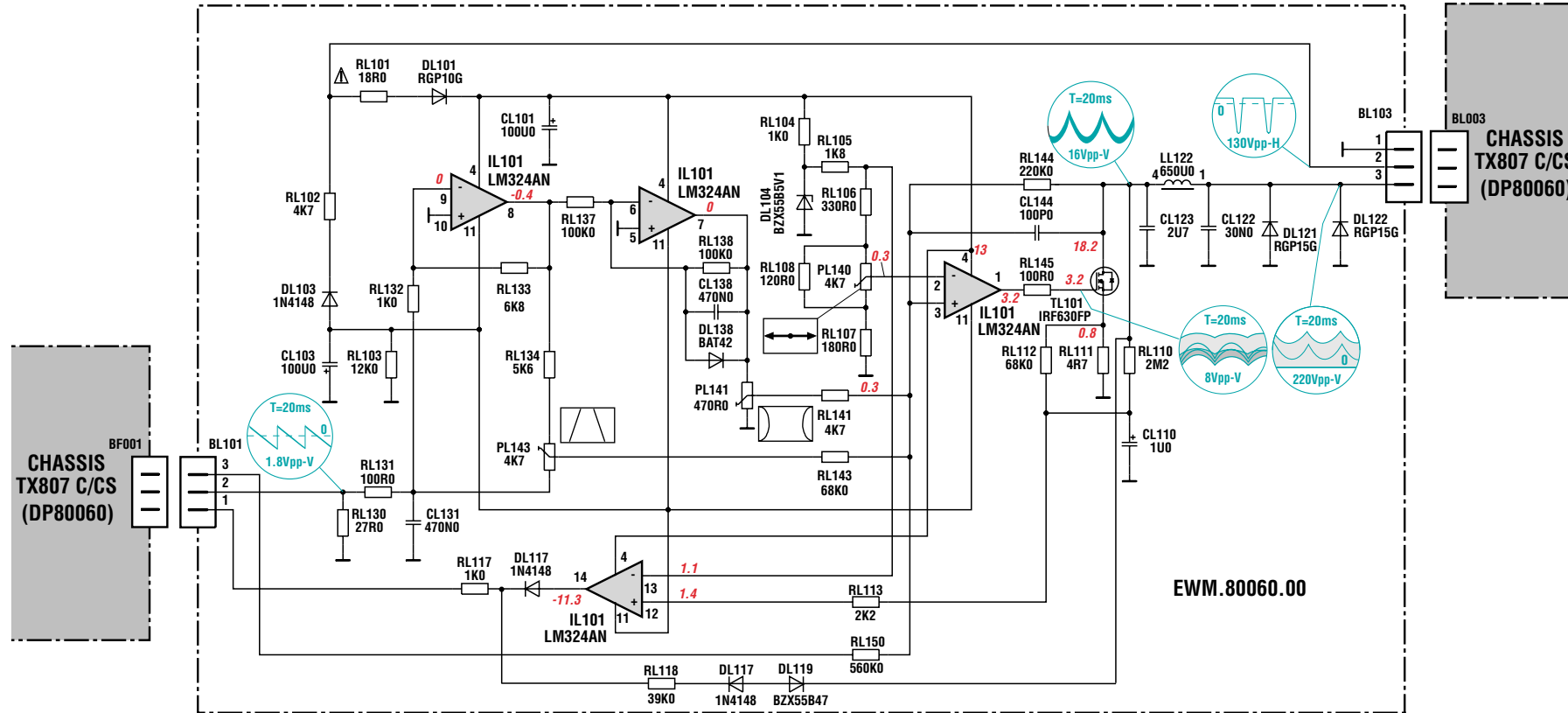
MAIN BOARD - PLATINE PRINCIPALE - CHASSIS GRUNDPLATTE - PIASTRA PRINCIPALE - PLATINA PRINCIPAL



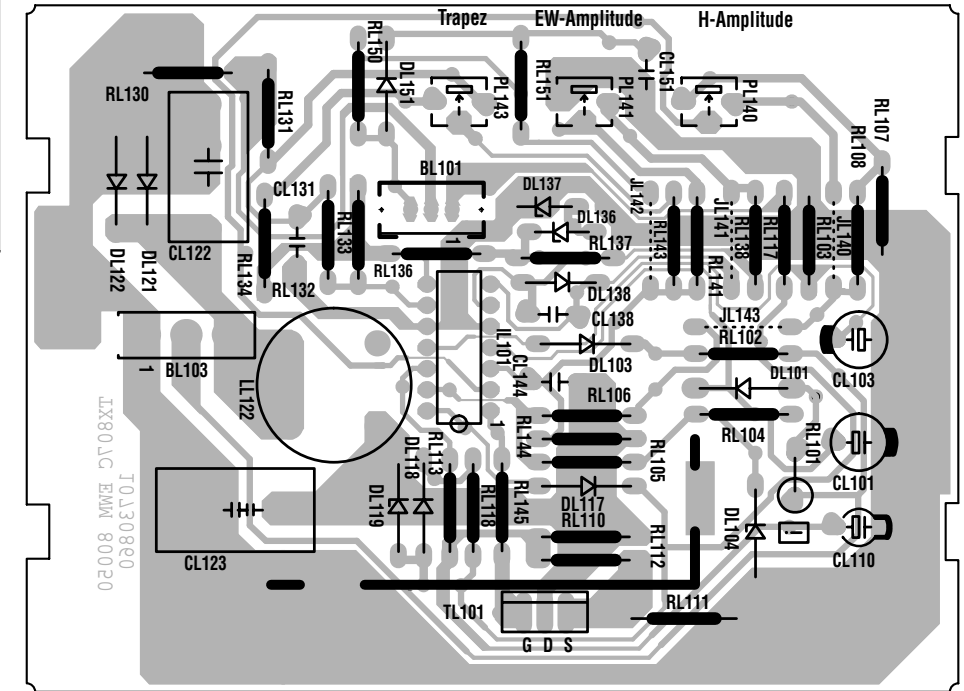
SOLDER SIDE -
 CÔTE SOUDURES -
 LÖTSEITE -
 LATO SALDATURE -
 LADO SOLDADURAS

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

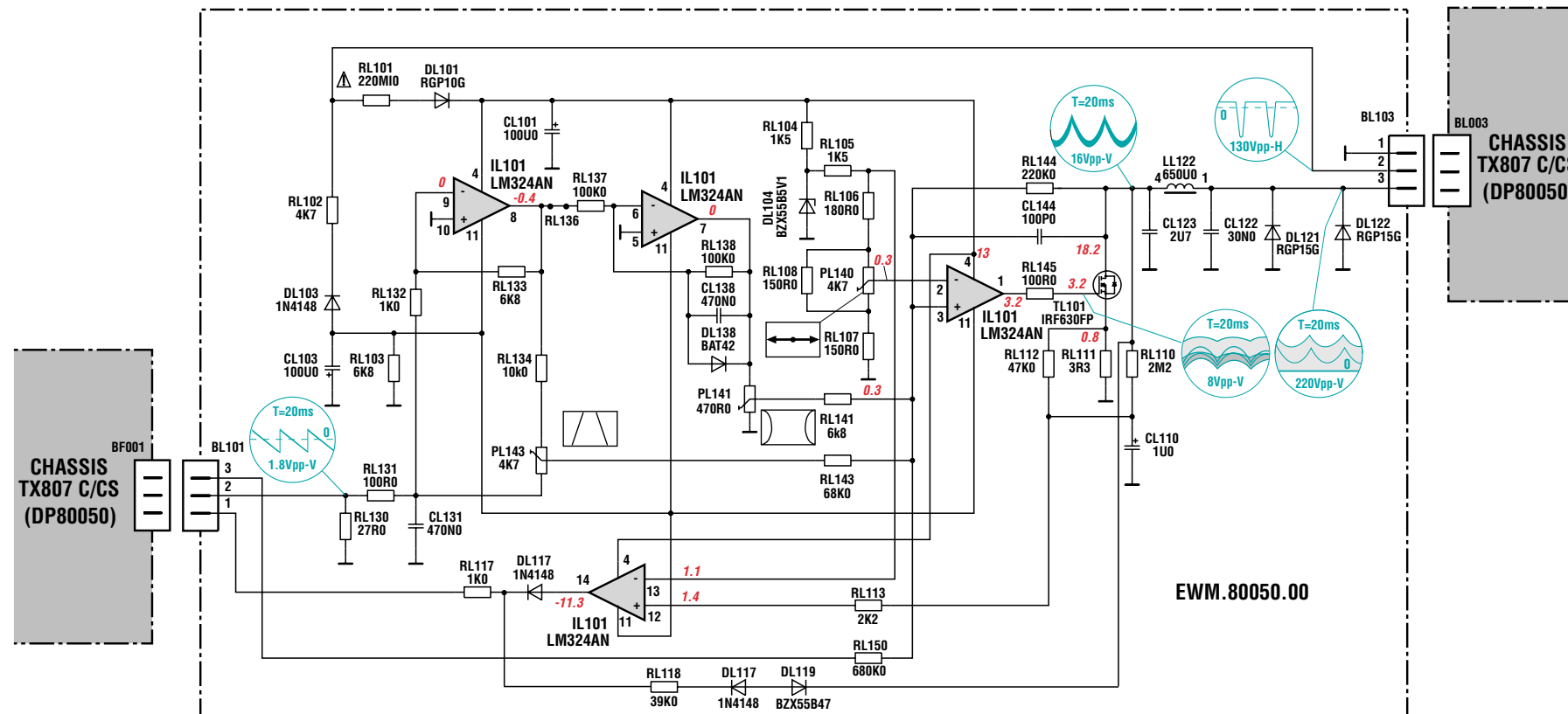
EAST-WEST MODULE - PLATINE EST-OUEST - OST-WEST-MODUL - MODULO EST-OVEST - MÓDULO ESTE-OESTE
EWM.80060.00 - 21" XF TUBES



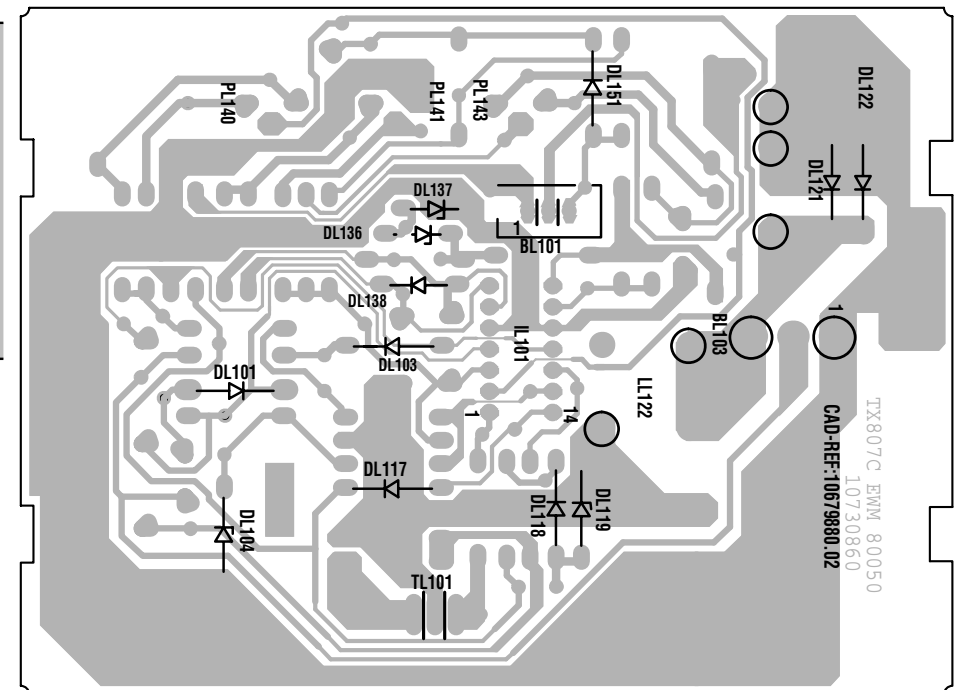
COMPONENT SIDE - CÔTE COMPOSANTS - BESTÜCKUNGSSEITE - LATO COMPONENTI - LADO COMPONENTES



EAST-WEST MODULE - PLATINE EST-OUEST - OST-WEST-MODUL - MODULO EST-OVEST - MÓDULO ESTE-OESTE
EWM.80050.00 - 25" & 28" MP

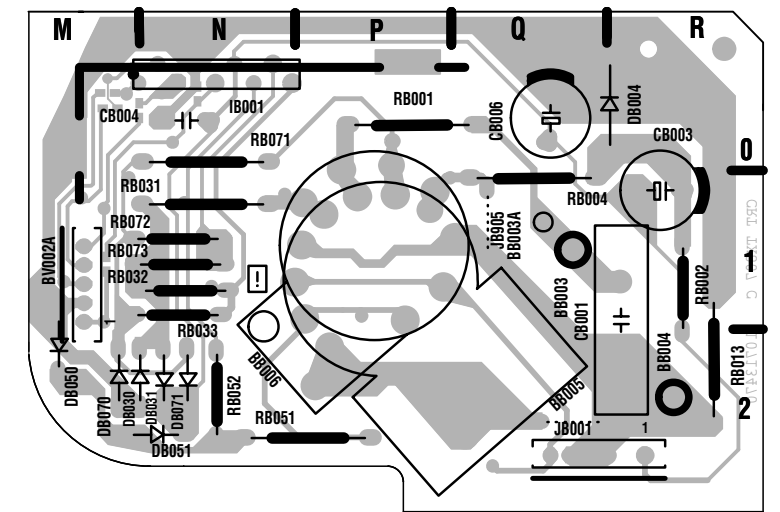


SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE - LATO SALDATURE - LADO SOLDADURAS

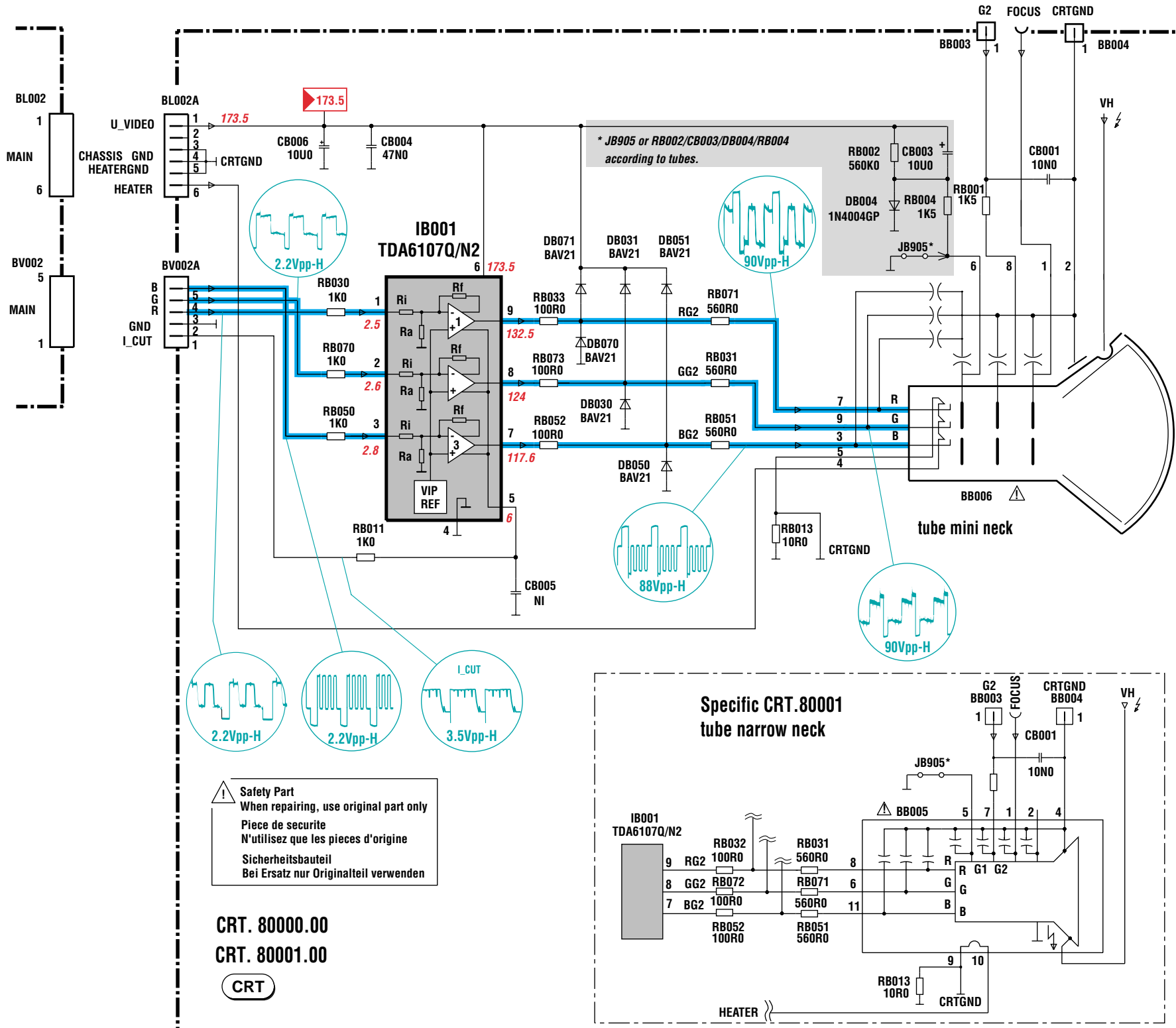
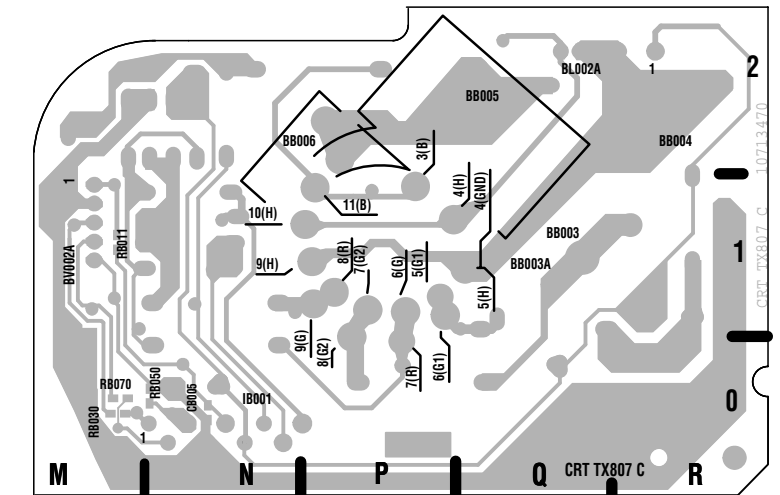


VIDEO AMPLIFIER BOARD - PLATINE AMPLIFICATEURS VIDEO - VIDEOVERSTÄRKERPLATTE - PIASTRA AMPLIFICATORE VIDEO - PLATINA AMPLIFICADOR VIDEO
 CRT 80000.00 - CRT 80001.00

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



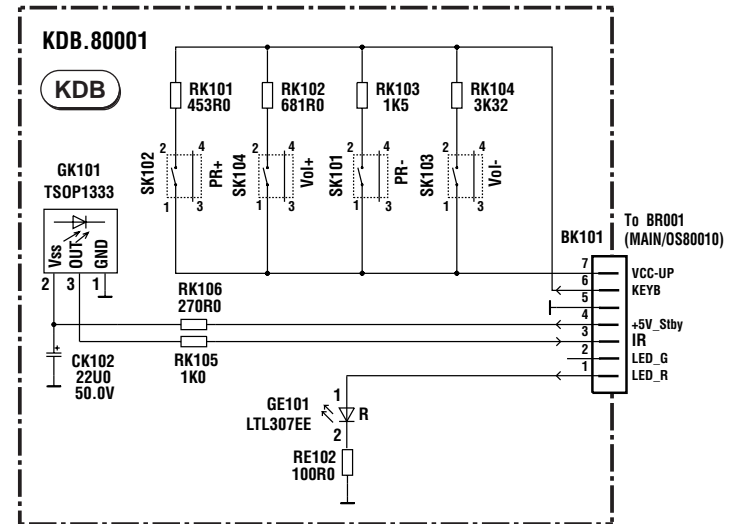
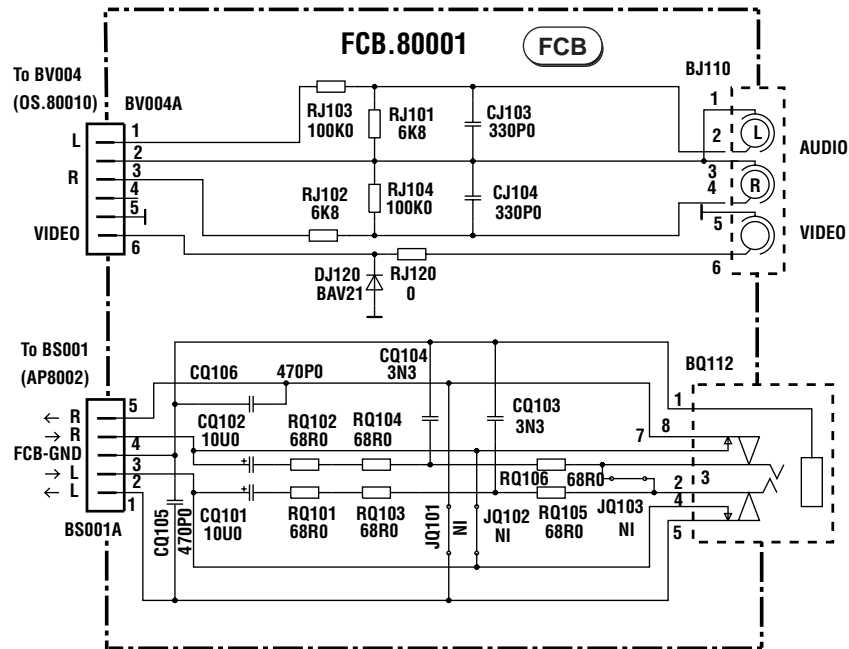
SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE - LATO SALDATURE - LADO SOLDADURAS



**FRONT CONNECTOR BOARD -
PRISES EN FACADE ET INTERCONNEXION DU CLAVIER -
FRONT ANSCHLUSSPLATTE - PIASTRA CONNESSIONE FRONTALE -
PLÁTINA MANDOS FRONTAL**

FCB.80001.00

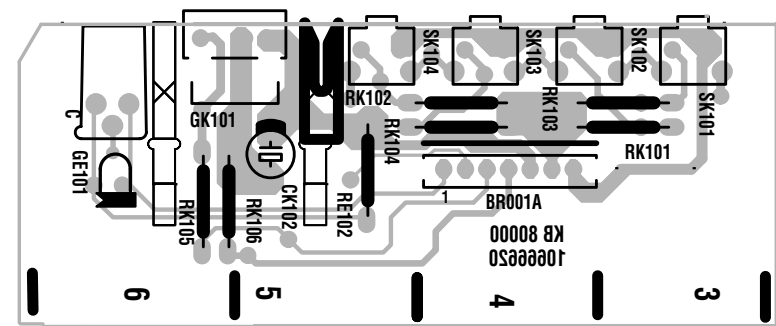
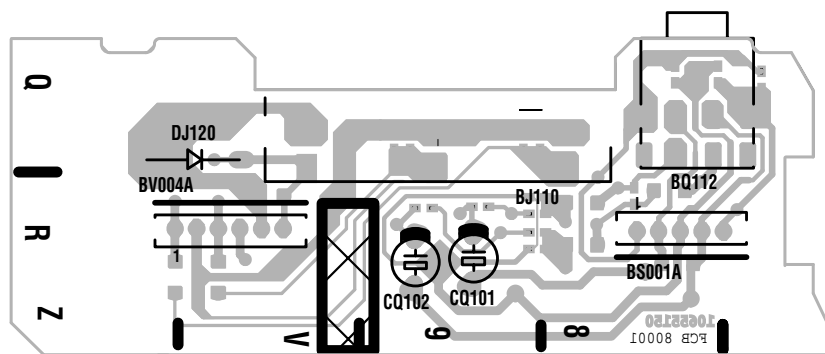
KDB.80001.00



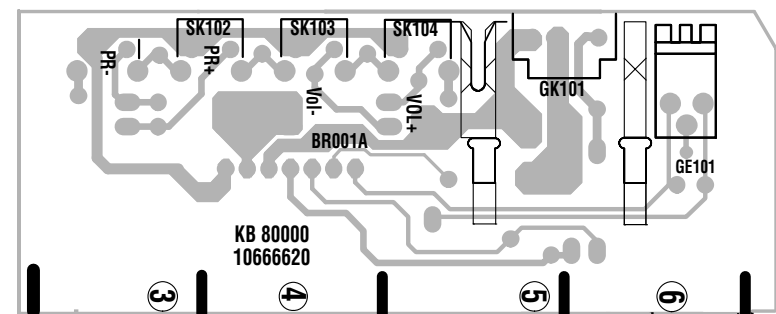
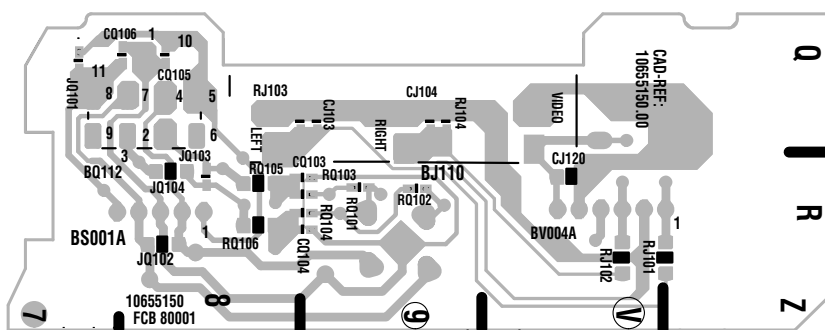
FCB.80001.00

KDB.80001.00

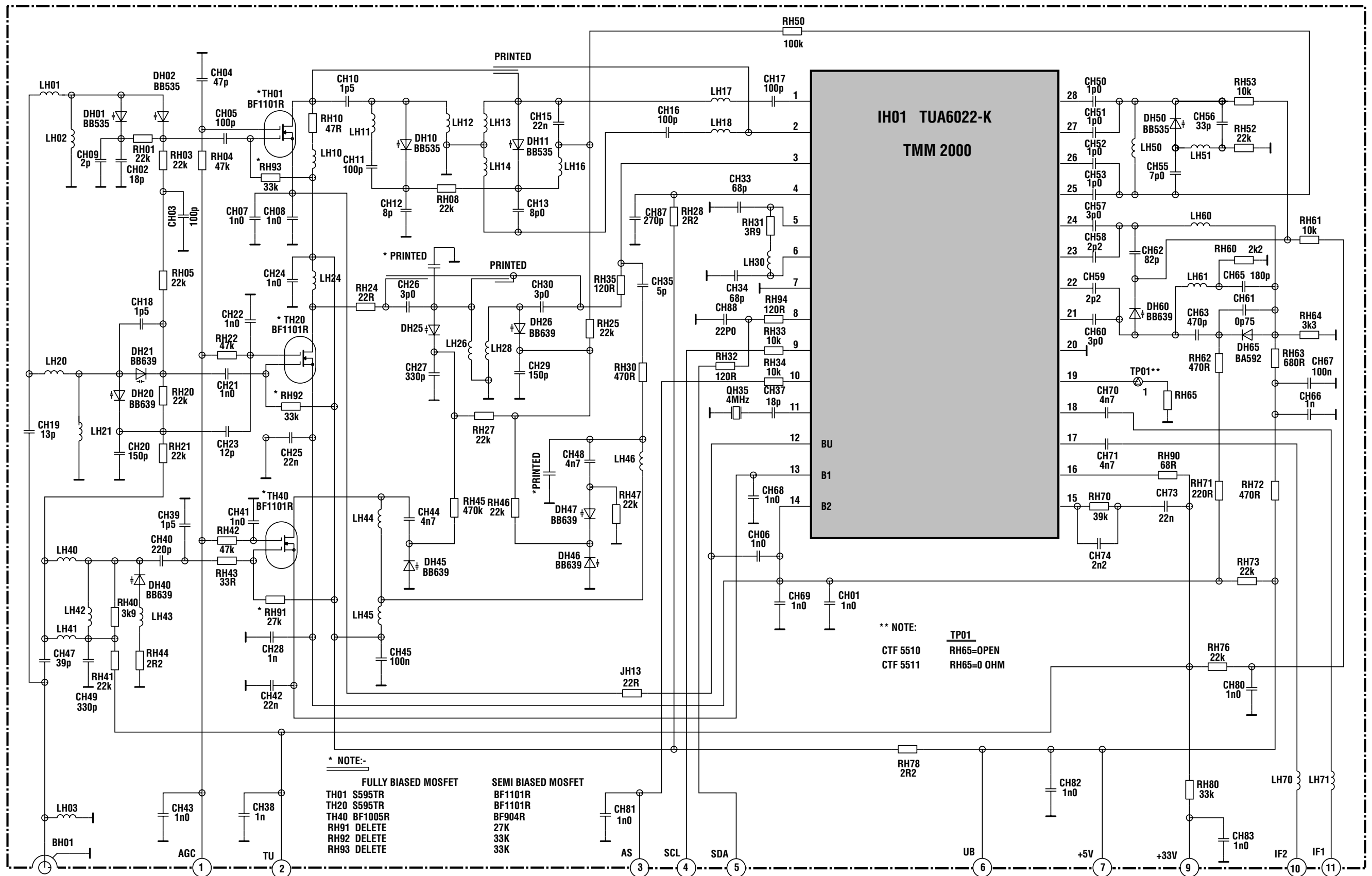
COMPONENT SIDE - COTE COMPOSANTS - BESTÜCKUNGSSEITE - LATO COMPONENTI - LADO COMPONENTES



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



VHF / UHF TUNER CTF 5510A



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

THOMSON
25DG170G
Chassis TX807CS

MODULES

MAIN T807CF5C3022043 10684610
EWM EWM80050 10679310
VSM SUB VSM80000 10705270



GK101	TSOP1333	25358570
IB001	TDA6107Q/N2	10659660
IF001	TDA8177	15053440
IL101	LM324AN	20679790
IP050	TLP621 GR(D4-LF2 T)	△ 20827900
IP090	STV8130	10658850
IP095	MC7805/ACT	46007400
IR001	M22W04/24WC04P	10456150
IS001	TDA7263	10281150
IS100	MSP3415G-PO-B8	10714120
IS100	MSP3415D-PO-B3	10648130
IV001	TDA9554PS/N1/1/0274	10649490
ZP092	MP315	△ 10575090
ZP094	MP32	△ 25405650



TI030,045	DTC144EK SMD	16007030
TL031,062,	BC846B SMD	16006260
TP032,053,054,		
061,070,TS050,		
100,130,TV020,		
022		
TL032,TP022	BC337-40	45001466
TL035	ST1803DHI(559B)	25540550
TL035	S2055N	20578760
TL050,TP025,	BC856B SMD	16006310
026,031,060,		
080,TV021		
TL060	RN2417 SMD	25423180
TL061,062	RN1409 SMD	20688820
TL101	IRF630FP	25453960
TP020	STP6NB90FP	25460310
TP058,072,081,	BCR141 SMD	16006890
TR002		
TP071,TR001	BCR185 SMD	16006900



DB004	1N4004	44009009
DB030,031,050,	BAV21	44044407
051,070,071,		
DJ120,DL101,		
DP031,032		
DF002,003,101,	1N4148	44009209
102,DH004,		
DL004,015,030,		
060,103,116,		
117,DP022,033,		
034,035,037,		
040,057,058,		
070,081,DV070,		
071,072		
DF010,DL011,	1N4001	16008160
013,035,DP095		
DH001	BZX55C30	80444170
DI030,040	BA782S SMD	20542050
DL010,012,025,	RGP10G	10459090
040,DP026,090		
DL014	BZX55B15/ZPD15 2%	80444020
DL021	BY228	16008370
DL104,DR001	BZX55B5V1/ZPD5V1 2%	44035702
DL121,122	RGP15G	10272800
DL138	BAT42	16007410
DP001,002,003,	BYW27-1000	10455390
004		
DP021	BZX55B16	11073430
DP023	BZX55C7V5	80444150
DP027	BZX55B30	20475340
DP030	BZX55C11	11073670
DP080	MUR460	16009650
DP092	EGP10D	20953640
GE101	LTL307/EE LED	16010330



FI010	0FWK6257K FOS	10545030
FI020	0FWK9650M FOS	10545440
FI030	40M4HZ	10664720
FI050	5M74HZ	20338170
QS100	18M432HZ	10334670
QV001	12M0HZ	25418130



LL122		10636390
PL140,143	4K7 OHM	10082930
PL141	470R0 OHM	10260250
PP051	470R0 OHM	10260350



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	2R2 OHM 5% 0,25W	△ 15009870
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
RL040	47R0 OHM 5% 0,35W	△ 20923340
RL063	18K0 OHM +1% 62MI5W	25516210
RL068	1K0 OHM +1% 62MI5W	20675080
RL090	127K0 OHM 1% 0,40W	41310702
RP002	18R0 OHM 220V PTC	△ 41398800
RP008	4R7 OHM 5% 3W	25477780
RP020	0R68 OHM 5% 2,5W	20822410
RP050	10M0 OHM 5% 0,70W	△ 10074320
RS039,040,140	4R7 OHM 5% 0,35W	△ 10226310
RS056	0R47 OHM 10% 0,40W	△ 15022650
RS160	3R9 OHM 5% 0,25W	△ 15009970

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 01 / 2002 35183880
VERSION 2 00 / 0000



CB001	10NOF 3K0V	14036450
CB004	47NOF 5% 250V	40433080
CL003	22NOF 5% 400V	10535740
CL010,012,026, 040,CP089,093	330POF 20% 1K0V	14035270
CL021	14N4F 3,5% 1K6V	10042750
CL024	440NOF 5% 250V	43352100
CL033	47NF 10% 63V	13076040
CL035	470U0F +20% 25V	10361630
CL122	27NOF 5% 400V	10263540
CL123	2U7F 10% 100V	10161170
CL144	100POF 20% 1K0V	14035280
CP001	100NOF 20% 275V	△ 10331520
CP003	68NOF 20% 250V	10256210
CP004	1N5F 10% 1K0V	20338740
CP005,006	4N7F 1K0V	10058740
CP008	150U0F 20% 400V	13050060
CP009	3N3F 20% 1K6V	10607950
CP050	2N2F 20% 400V	△ 10344870
CP082	1N0F 10% 500V	10546570
CS100	2P2F +0P1F -0P1F 50V	21023750



LL005	DSTMH30	△ 10691490
LL026	23U0H 15%	△ 10678590
LL032	DRIVER	20936440
LP002	25MOH	△ 10688710
LP003	SMT	△ 10693580

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 KOPFHOERERBUCHSE 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 CONTATTATORE 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
CJ105	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
FP001	1A6T 250V TIME-LAG FUSE 1A6T 250V FUSIBLE TEMPORISE 1A6T 250V SICHERUNG 1A6T 250V FUSIBILE TEMPORIZZATO 1A6T 250V FUSIBLE TEMPORIZADO	△ 48064700
NH001	CTT5010 UHF/VHF TUNER CTT5010 TETE UHF/VHF CTT5010 UHF/VHF TUNER CTT5010 TUNER UHF/VHF CTT5010 SINTONIZADOR UHF/VHF	20812280
SK101,102,103, 104	MICROSWITCH MICRO CONTACTEUR MIKROSCHALTER MICROINTERRUPTORE MICROCONTACTOR	30011100

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

FRONT PANEL SIO7TH FACADE SIO7TH FRONTPLATTE SIO7TH PANNELLO FRONTALE SIO7TH PANEL FRONTAL SIO7TH	25574010
REAR PANEL GY41TH DOS GY41TH RUECKWAND GY41TH PANNELLO POSTERIORE GY41TH TAPA POSTERIOR GY41TH	△ 25574360
LOGO THOMSON LOGO THOMSON SCHRIFTZUG THOMSON MARCHIO THOMSON LOGOTIPO THOMSON	25287740
JACK COVER SIO7TH VOLET PRISE JACK SIO7TH BUCHSENKLAPPE SIO7TH SPORTELLO PRESA JACK SIO7TH TAPA TOMA JACK SIO7TH	25574030
CHASSIS SUPPORT SUPPORT CHASSIS CHASSIS HALTER SUPPORTO CHASSIS SOPORTE CHASSIS	25382530
LOUSPEAKER GUIDE CORNET ACOUSTIQUE FUEHRUNGSSCHIENE LAUTSPRECHER GUIDA ALTOPARLANTE GUIA ALTAVOZ	25423150
8R OHM 15W LOUSPEAKER 60X125MM 8R OHM 15W HAUT PARLEUR 60X125MM 8R OHM 15W LAUTSPRECHER 60X125MM 8R OHM 15W ALTOPARLANTE 60X125MM 8R OHM 15W ALTAVOZ 60X125MM	25499560

ON/OFF BUTTON SIO7TH TOUCHE MARCHE/ARRET SIO7TH EIN-AUS TASTE SIO7TH TASTO ACCESSO/SPENTO SIO7TH TECLA MARCHA/PARADA SIO7TH	25574040
BUTTON STRIP SIO7TH BARRETTE DE TOUCHES SIO7TH TASTENLEISTE SIO7TH PIATTINA TASTI SIO7TH PLACA DE TECLAS SIO7TH	25574380
POWER SUPPLY LEAD CORDON D'ALIMENTATION NETZKABEL CAVO DI ALIMENTAZIONE CABLE DE ALIMENTACION	△ 10260880
CORD STOPPER ATTACHE CORDON SECTEUR ZUGENTLASTUNG BRIDA CORDONE DI ALIMENTAZIONE SUJECION CABLE DE ALIMENTACION	25071420
A59EHJ13X715 CATHODE RAY TUBE A59EHJ13X715 TUBE CATHODIQUE A59EHJ13X715 FARBBILDROEHRE A59EHJ13X715 TUBO CATODICO A59EHJ13X715 T.R.C	△ 10722500
DEGAUSSING COIL BOBINE DE DEMAGNETISATION ENTMAGNETISIERUNGSSPULE BOBINA DI SMAGNETIZZAZIONE BOBINA DE DESMANTACION	△ 47320092
RCTMB100 REMOTE CONTROL RCTMB100 TELECOMMANDE RCTMB100 FERNBEDIENUNG RCTMB100 TELECOMANDO RCTMB100 TELEMANDO	20879230
FOLDING BOX EMBALLAGE CARTON KARTON IMBALLAGGIO CARTONE EMBALAJE CARTON	25302970
FITTING DOWNER CALE INFERIEURE POLSTER UNTEN DISTANZIATORE INFERIORE CALZO INFERIOR	25303050
FITTING UPPER CALE SUPERIEURE POLSTER OBEN DISTANZIATORE SUPERIORE CALZO SUPERIOR	25303020

**MAINTENANCE TOOLS
MAINTENANCE
WERKZEUG FUER DAS
GERAET
UTENSILI DI MANUTENZIONE
MANTENIMIENTO**

TX807C/CS 110D POWER SUPPLY REPAIR KIT 35135370
TX807C/CS 110D KIT DE MAINTENANCE ALIM.
TX807C/CS 110D REPARATURSET NETZTEIL
TX807C/CS 110D KIT PER RIPARARE L'ALIM.
TX807C/CS 110D KIT DE REPARACION DE L'ALIM.



25DG170G PARTS LIST 35183880
25DG170G LISTE DE PIECES DETACHEES
25DG170G ERSATZTEILLISTE
25DG170G LISTA PARTI DI RICAMBIO
25DG170G LISTA DE PIEZAS DE REPUESTO
TX807C/CS SERVICE MANUAL 35110300
TX807C/CS DOC TECHNIQUE
TX807C/CS TECHNISCHE DOKUMENTATION
TX807C/CS DOCUMENTAZIONE TECNICA
TX807C/CS DOCUMENTACION TECNICA
TX807C/CS SERVICE MANUAL SUPPLEMENT 35141950
TX807C/CS DOC TECHNIQUE ADDITIF
TX807C/CS SECHNISCHE DOKUMENTATION ZUSAT
TX807C/CS DOCUMENTAZIONE ADDITIVO
TX807C/CS DOCUMENTACION ADITIVO
CDROM TX807/C/CS VERSION 2 35110290
CDROM TX807/C/CS VERSION 2
CDROM TX807/C/CS VERSION 2
CDROM TX807/C/CS VERSION 2
CDROM TX807/C/CS VERSION 2
TX807C/CS UM 15 LANGUAGES N2 50019620
TX807C/CS NU 15 LANGUAGES N2
TX807C/CS BA 15 LANGUAGES N2
TX807C/CS IU 15 LANGUAGES N2
TX807C/CS IU 15 LANGUAGES N2

25DG170G

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