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

THOMSON

Chassis ICC17

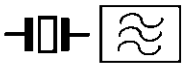
MODULES

MAIN	**IC17F5RQ02603C**		
AVL	**SUBAVL17000**	**R**	**10614890**
CRT	**CRT17700 (PCB HYB 02)**	**R**	**10651940**
FCB	**FCB1701**	**R**	**25313060**
KDB	**KDB1706**	**R**	**25388640**

GK01	TSOP1333		25358570
IB01	TDA6107Q/N2		10659660
IF01	TDA8351		20753830
IP20	TS3702CD FLAT		10537330
IP50	TLP621 GR(D4-LF2 T)	⚠	20827900
IP61	TL431ACZ		10538830
IP87	MC7812/CT		46007600
IP95	TDA8139		10044580
IR01	ST92R195 CUT 2.2 FLAT		10588150
IR02	IC-ROM THOMSON V3.20-0		1059455E
IR03	M24C16MN6 FLAT		25348520
IS40	MSP3410D-PP-B3/B4		10510320
IS80	TDA7269		10348790
IV01	TDA8855H FLAT		10533960
IX01	BA7604N		10539590
ZL11	MP25	⚠	10500150
ZL13	MP63	⚠	10472270

TB01,**TL**52, **TP**21	BF423	16003110
TB02,**TL**02,55	BF422	16003090
TF01,**TI**60, **TL**31,**TP**58,59, 67,71,76,90, **TR**60,**TS**01,81, **TV**10	BC846B SMD	16006260
TI10,30,45	DTC144EK SMD	16007030
TL14	2SC2236Y	16000220
TL32	BC337-40	45001466
TL33	MPS750	16001340
TL34,**TP**50	BUH516TH16	10401110
TL41	BD241C	16001880
TL42,**TP**14, **TX**15,45	BC546B	45001866
TL51	THYHIPWR	10576770
TL59,**TP**42,86, **TR**15	BC856B SMD	16006310
TL71	BC847C SMD	90618810
TL72	RN1401 SMD	10966100
TP15	BTB06-600C	10259910
TP44	2SA1020Y	16003740
TP57	RN2417 SMD	25423180
TP72,**TR**20	DTC113ZK SMD	10550750
TP75,82	BCR191 SMD	16006910
TP77	RN1409 SMD	20688820
TR13,23,40	BCR141 SMD	16006890
TX80,81,85,86, 88	BC847B SMD	11070770

DB04,**DP**16,17, 18,19	1N4004	44009009
DB05	1.5KE250A	25353360
DB30,31,50,51, 70,71,**DJ**20, **DL**31	BAV21	44044407
DE01	BZX55C2V7	80444120
DH01	BZX55B33	80442730
DH04,**DL**12,32, 33,72,74,75, **DP**53,**DR**20,23, **DV**19	1N4148	44009209
DI30,40	BA782S	20542050
DJ20,**DL**48, **DX**59	BAV103 SMD	10155030
DK01,**DL**09, **DP**72	BZX55B5V1/ZPD5V1 2%	44035702
DL11,24,25,41, **DP**12,41,46,47, 48	RGP10G	10459090
DL13	FUF5402	10458530
DL14	RGP15G	10272800
DL19,73,77, **DP**24,39,40,42, 52,54,56,57, 58,60,61,62, 63,67,70,85, 89,**DR**21,22,24, **DV**09	LL4148 SMD	16012450
DL21	BY228	16008370
DL22	BYW76	16009120
DL42	ZMM5,1 SMD	70446740
DL51	RGP10M	10455320
DL71	BZX55C20	30948810
DP01,02,03,04	BYW27-1000	10455390
DP06	BZW04-342	25354340
DP14	BZX55C3V3	30948790
DP20	ZPD51/BZX55C51/BZX79C51	90578110
DP21	BZX85C39	80444000
DP22	BZX55C6V8	50890650
DP43,45,50,87	RGP02-20	10472330
DP44	BZX55C3V9	80444130
DP59	BZX55C18	11073680
DP80	MUR460	16009650
DP82	FUF4005/MUR160	16009580
DP83	BAT42	16007410
DP84	MUR120	10564670
DP93	MUR420	16009630
DP94	BZX55C13	70438310
DR05	LL42 SMD	16012530
DS90	BZX55C3V6	50890640
DX86	BAS20 SMD	16012250
DX87	BZX84B8V2 SMD	25385640
GE01	TLUV5300 LED	11137650



FI10	OFWK6282K FOS	10648840
FI20	OFWK9650M FOS	10545440
FI50	5M74HZ	20338170
QC01	4M433619HZ	10087710
QC02	3M579545HZ	10542190
QR01	4M0HZ	10254300
QS40	18M432HZ	10334670

FI01	40M4HZ	20300950
FI02	31M9HZ	10552630
FI30	77M8HZ	10559760
LL22		10636390

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

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

01 / 2000 35105110
REV. N° 0 00 / 00 00000000

PP64	1K0 OHM	70434550

RB01,04	1K5 OHM 5% 0,50W	10121880
RB06	220R0 OHM 5% 0,25W ⚠	15009810
RB31,51,71	560R0 OHM 10% 0,50W	10257590
RC02	1R0 OHM 5% 0,40W ⚠	13060910
RF05	1R21 OHM 1% 0,70W	13010820
RF07	220R0 OHM 1% 0,70W	10233720
RF08	68R0 OHM 5% 0,70W	15009050
RL01	45K3 OHM 1% 0,25W	15018160
RL07	6K19 OHM 1% 0,40W	15020490
RL13	0R27 OHM 5% 2,50W	10263600
RL35,**RS**87,88	4R7 OHM 5% 0,35W ⚠	10226310
RL36,**RP**10	2R2 OHM 5% 0,25W ⚠	15009870
RL43	68K1 OHM 1% 0,70W	10147740
RL44	1R0 OHM 5% 0,50W ⚠	10576360
RP04	2R7 OHM 5% 4,50W	10379110
RP15	18R0 OHM 220V PTC ⚠	41398800
RP39,52,54,95, **RR**45,**RV**03,14, 30,31	100R0 OHM 5% 0,25W	30943330
RP49	0R47 OHM 5% 2,5W ⚠	25339900
RP50	10M0 OHM 5% 0,70W ⚠	10074320
RP63	432K0 OHM 1% 0,13W	10354720
RS12	18R0 OHM 5% 0,30W ⚠	15009660
RV20	100K0 OHM 1% 0,25W	50883810
RX17	10R0 OHM 5% 0,25W ⚠	15009580

CB01	10N0F 3K0V	14036450
CL08	10N0F 5% 400V	14035870
CL12,15,55, **CP**18,21,42,85, 94	330P0F 20% 1K0V	14035270
CL21	15N0F 3.5% 1K6V	10643660
CL22	27N0F 5% 400V	10263540
CL24	440N0F 5% 250V ⚠	10525280
CL51	290N0F 5% 250V	10378450
CP01	100N0F 20% 275V ⚠	10331520
CP03,04	4N7F 1K0V	10058740
CP05	1N5F 10% 1K0V	20338740
CP10	150U0F 385V	43424800
CP11	10N0F 10% 400V	15001080
CP16,17	470N0F 20% 275V ⚠	10596570
CP20	220P0F 10% 400V	14033000
CP49	3N3F 20% 1K6V	10607950
CP50	1N0F 20% 400V ⚠	43106800
CP51	150P0F 20% 400V ⚠	20738090
CP81	1N0F 10% 500V	10546570
CP83	100P0F 20% 1K0V	14035280

LL05	DSTTDS29 ⚠	10608670
LL26	⚠	10526140
LL32	DRIVER	10518110
LP01	⚠	10261530
LP20	DRIVER ⚠	10554410
LP44	DRIVER	10561800
LP50	SMT41 ⚠	10537860

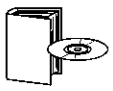
OTHER PARTS
AUTRES PIECES
SONSTIGE TEILE
ALTRE PARTI
OTRAS PIEZAS

BB05	CATHODE RAY TUBE SOCKET ⚠ SUPPORT TUBE CATHODIQUE BILDROEHRENFASSUNG SUPPORTO TUBO CATODICO SOPORTE T.R.C	80298800
BJ10	CINCH SOCKET PRISE CINCH CINCH-BUCHSE PRESA CINCH TOMA CINCH	10037440
BJ11	SVHS SOCKET PRISE SVHS S-VHS-BUCHSE PRESA SVHS TOMA SVHS	20392900
BQ12	JACK SOCKET PRISE JACK BUCHSE PRESA JACK TOMA JACK	10539510
BX01,02	SCART SOCKET PRISE PERITEL EURO-AV-BUCHSE EUROPRESA NORMALIZZATA EUROCONECTOR	90617260
CH200	ON/OFF SWITCH ⚠ CONTACTEUR MARCHE/ARRET EIN-AUS SCHALTER CONTATTORE ACCESO/SPENTO CONTACTOR MARCHA/PARADA	10276500
FP01	2A5T TIME-LAG FUSE ⚠ 2A5T FUSIBLE TEMPORISE 2A5T THERMISCHE SICHERUNG 2A5T FUSIBILE TEMPORIZZATO 2A5T FUSIBLE TEMPORIZADO	10246750
NH01	CTT5010 UHF/VHF TUNER CTT5010 TETE UHF/VHF CTT5010 UHF/VHF TUNER CTT5010 TUNER UHF/VHF CTT5010 SINTONIZADOR UHF/VHF	20812280
SK01,02,03,04	MICROSWITCH MICRO CONTACTEUR MIKROSCHALTER MICROINTERRUTTORE MICROCONTACTOR	30011100

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

FRONT PANEL FACADE FRONTPLATTE PANNELLO FRONTALE PANEL FRONTAL	25346170
REAR PANEL ⚠ DOS RUECKWAND PANNELLO POSTERIORE TAPA POSTERIOR	25433840
INFRARED WINDOW GLACE INFRAROUGE INFRAROT FENSTER VETRO INFRAROSSO CRISTAL INFRARROJO	25373830
LOGO THOMSON LOGO THOMSON SCHRIFTZUG THOMSON MARCHIO THOMSON LOGOTIPO THOMSON	25367520
CHASSIS SUPPORT SUPPORT CHASSIS CHASSIS HALTER SUPPORTO CHASSIS SOPORTE CHASSIS	25296750
COVER JACK SOCKET CACHE PRISE JACK ABDECKUNG BUCHSE COPERCHIO PRESA JACK CUBIERTA TOMA JACK	25298150
8R OHM 15W LOUDSPEAKER 60X125 8R OHM 15W HAUT PARLEUR 60X125 8R OHM 15W LAUTSPRECHER 60X125 8R OHM 15W ALTOPARLANTE 60X125 8R OHM 15W ALTAVOZ 60X125	10467060
ON/OFF BUTTON TOUCHE MARCHE/ARRET EIN-AUS TASTE TASTO ACCESO/SPENTO TECLA MARCHA/PARADA	25309090
BUTTON ASSY ENSEMBLE DE TOUCHES TASTENEINHEIT ASSIEME TASTI CONJUNTO DE TECLAS	25312630
POWER SUPPLY LEAD ⚠ CORDON D'ALIMENTATION NETZKABEL CAVO DI ALIMENTAZIONE CABLE DE ALIMENTACION	10260880
W66EJU023X015 CATHODE RAY TUBE ⚠ W66EJU023X015 TUBE CATHODIQUE W66EJU023X015 FARBBILDROEHRE W66EJU023X015 TUBO CATODICO W66EJU023X015 T.R.C	10647170
DEGAUSSING COIL ⚠ BOBINE DE DEMAGNETISATION ENTMAGNETISIERUNGSSPULE BOBINA DI SMAGNETIZZAZIONE BOBINA DE DESIMANTACION	47320181
RCTMB100 REMOTE CONTROL RCTMB100 TELECOMMANDE RCTMB100 FERNBEDIENUNG RCTMB100 TELECOMANDO RCTMB100 TELEMANDO	20879230
FOLDING BOX EMBALLAGE CARTON KARTON IMBALLAGGIO CARTONE EMBALAJE CARTON	25443870

FITTING DOWNER CALE INFERIEURE POLSTER UNTEN DISTANZIATORE INFERIORE CALZO INFERIOR	25348810
FITTING UPPER CALE SUPERIEURE POLSTER OBEN DISTANZIATORE SUPERIORE CALZO SUPERIOR	25348820



28WN22E PARTS LIST 28WN22E LISTE DE PIECES DETACHEES 28WN22E ERSATZTEILLISTE 28WN22E LISTA PARTI DI RICAMBIO 28WN22E LISTA DE PIEZAS DE REPUESTO	35105110
ICC17 SERVICE MANUAL EUROPE ICC17 DOC TECHNIQUE EUROPE ICC17 TECHNISCHE DOKUMENTATION EUROPE ICC17 DOCUMENTAZIONE TECNICA EUROPE ICC17 DOCUMENTACION TECNICA EUROPE	35063330
28WN22E UM TH D/F/I/E/GB/NL/S/DK/PL/GR 28WN22E NU TH D/F/I/E/GB/NL/S/DK/PL/GR 28WN22E BA TH D/F/I/E/GB/NL/S/DK/PL/GR 28WN22E IU TH D/F/I/E/GB/NL/S/DK/PL/GR 28WN22E IU TH D/F/I/E/GB/NL/S/DK/PL/GR	25390150
ICC17 UPDATING N°01 ICC17 MISE A JOUR N°01 ICC17 ERGAENZUNG N°01 ICC17 AGGIORNAMENTO N°01 ICC17 ACTUALIZACION N°01	35080950
CDROM ICC17 CDROM ICC17 CDROM ICC17 CDROM ICC17 CDROM ICC17	35065140

LES PROGRAMMES

QUITTER

THOMSON MULTI MEDIA

1001 hertz
motion mastering

VIRTUAL DOLBY SURROUND

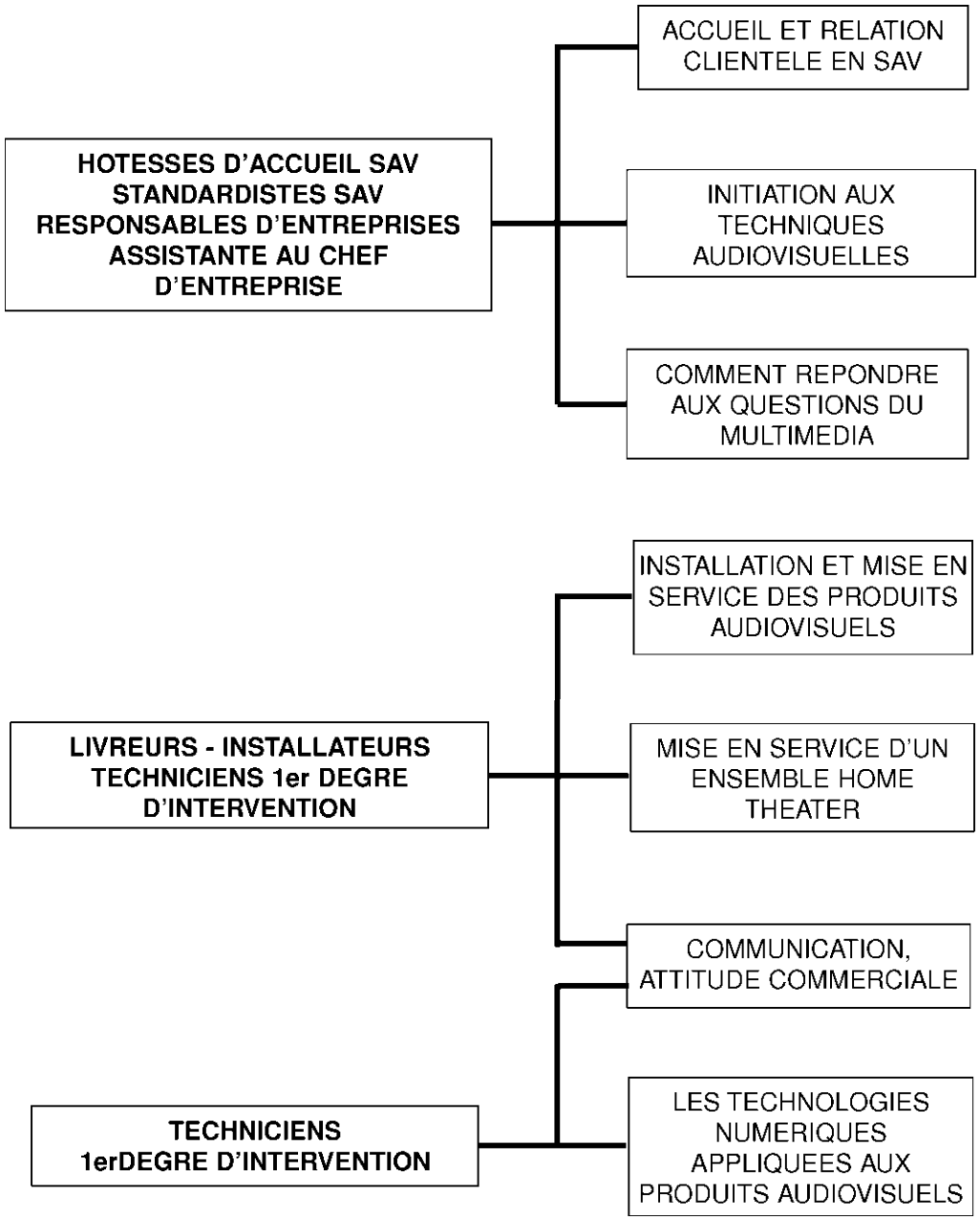
NAVILIGHT system

LYRA

2000

CENTRE DE FORMATION
THOMSON multimedia

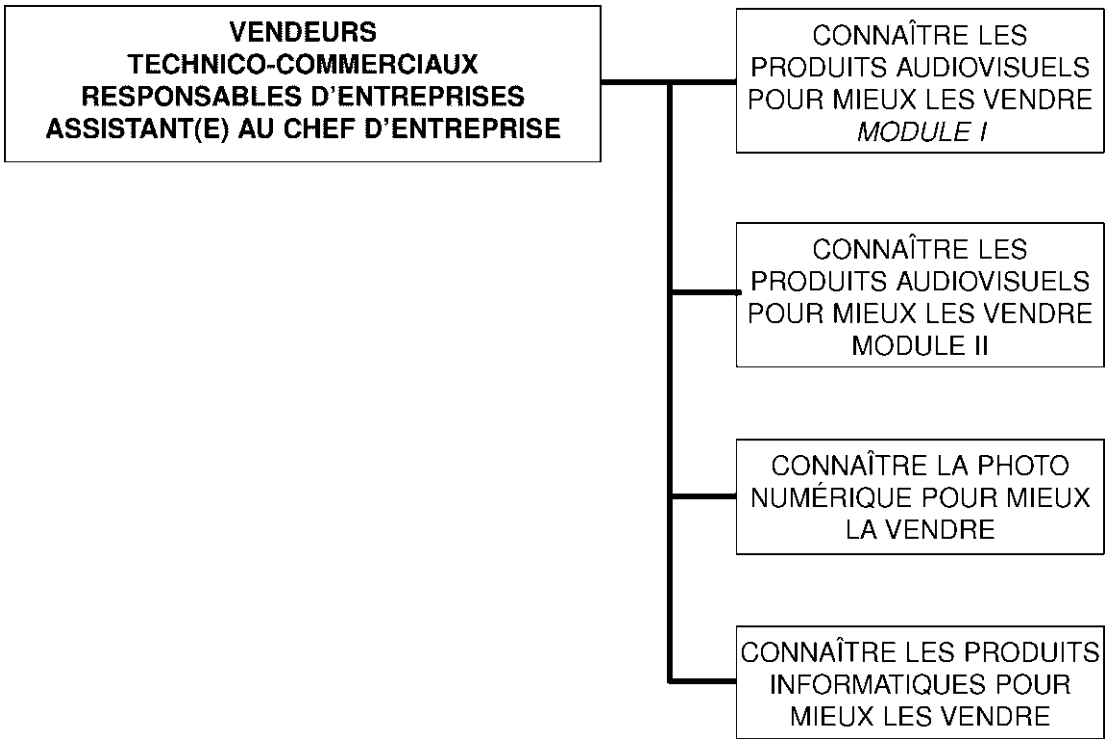
LA CHAÎNE du SERVICE



LES PRODUITS HIGH TECH

RESPONSABLES D'ENTREPRISES
DIRECTEURS SAV
TECHNICIENS 1er DEGRE D'INTERVENTION
TECHNICIENS D'ATELIER

LES FORMATIONS VENDEURS



MICRO INFORMATIQUE

MAINTENANCE

- CONFIGURATION ET MAINTENANCE DES PC
  - INSTALLATION DE PÉRIPHÉRIQUES MULTIMEDIA ET RÉSEAUX

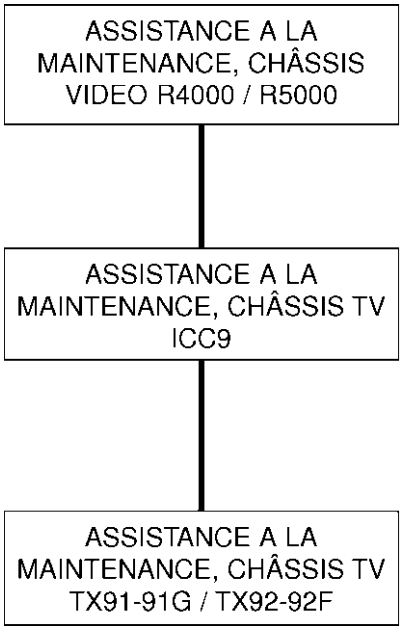
SYSTEME D'EXPLOITATION

- WINDOWS 98 AVANCÉ - LINUX

INTERNET

- INITIATION A INTERNET - CRÉATION DE SITE WEB

LES JOURNÉES FORMATION SERVICE



MAINTENANCE
1er degré D'INTERVENTION

LES TECHNIQUES VIDÉO

SOMMAIRE

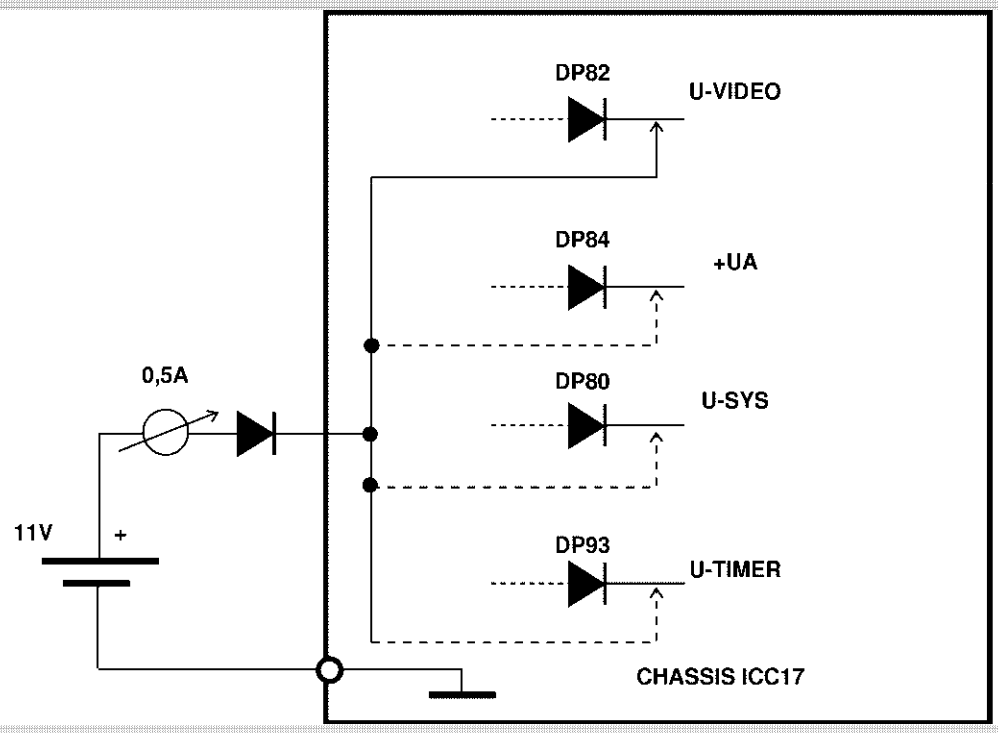
LES TECHNIQUES TÉLÉVISION

SECONDARY DC-VOLTAGES

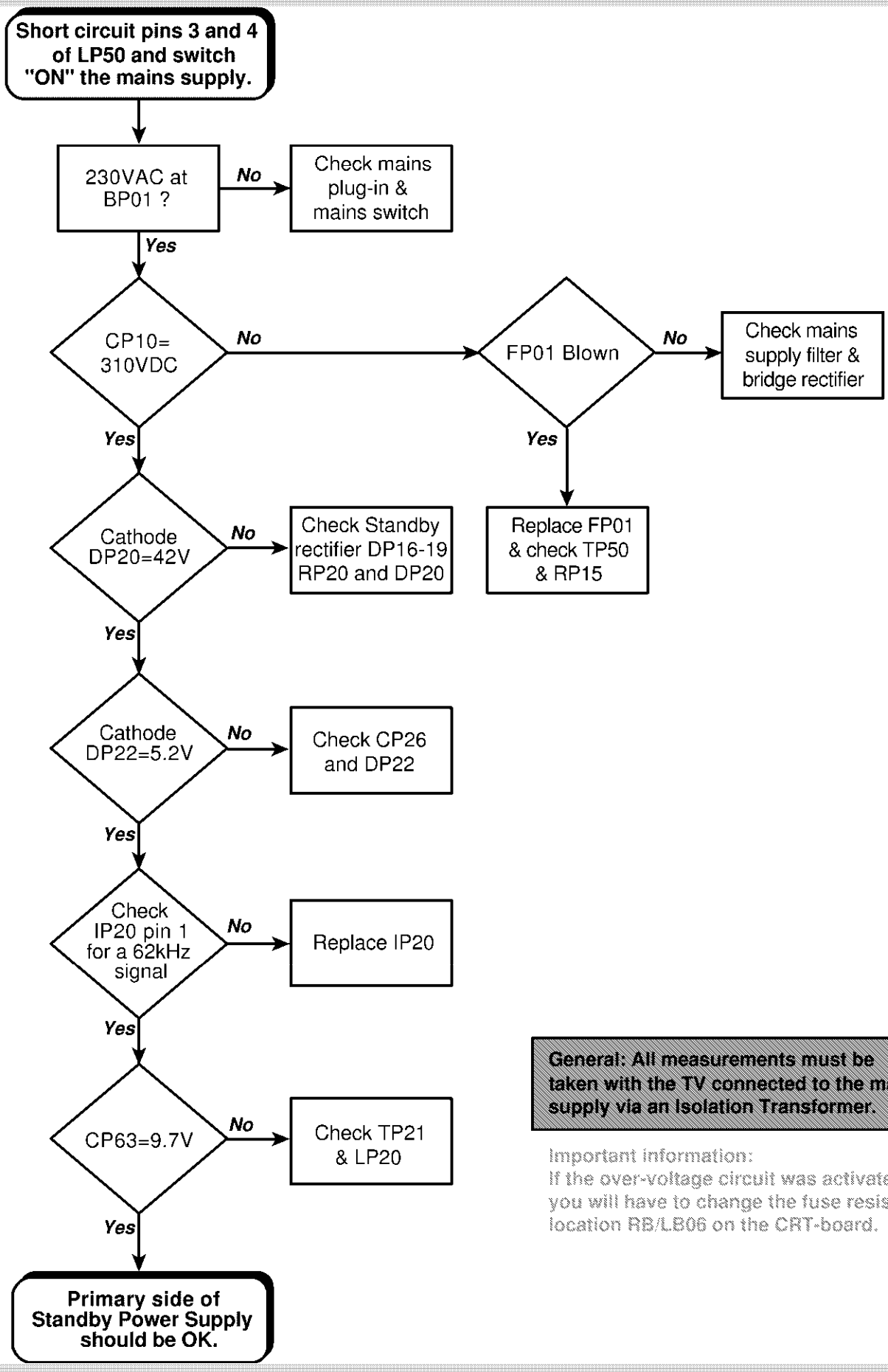
All measurements in this chapter must be done WITHOUT the mains supply connected to the TV.

Test circuit:

The external voltage source is provided by a variable DC-power supply with its output voltage set to 11V and the current limitation set to 500mA's. The negative terminal of the DC-power supply must be directly connected to the chassis secondary ground plane. The positive terminal of the DC-power supply is first connected to an ammeter and then the anode of an isolation diode. The cathode of the isolation diode is then connected to the load on the chassis as shown below. Measure the current drawn by each load tested.



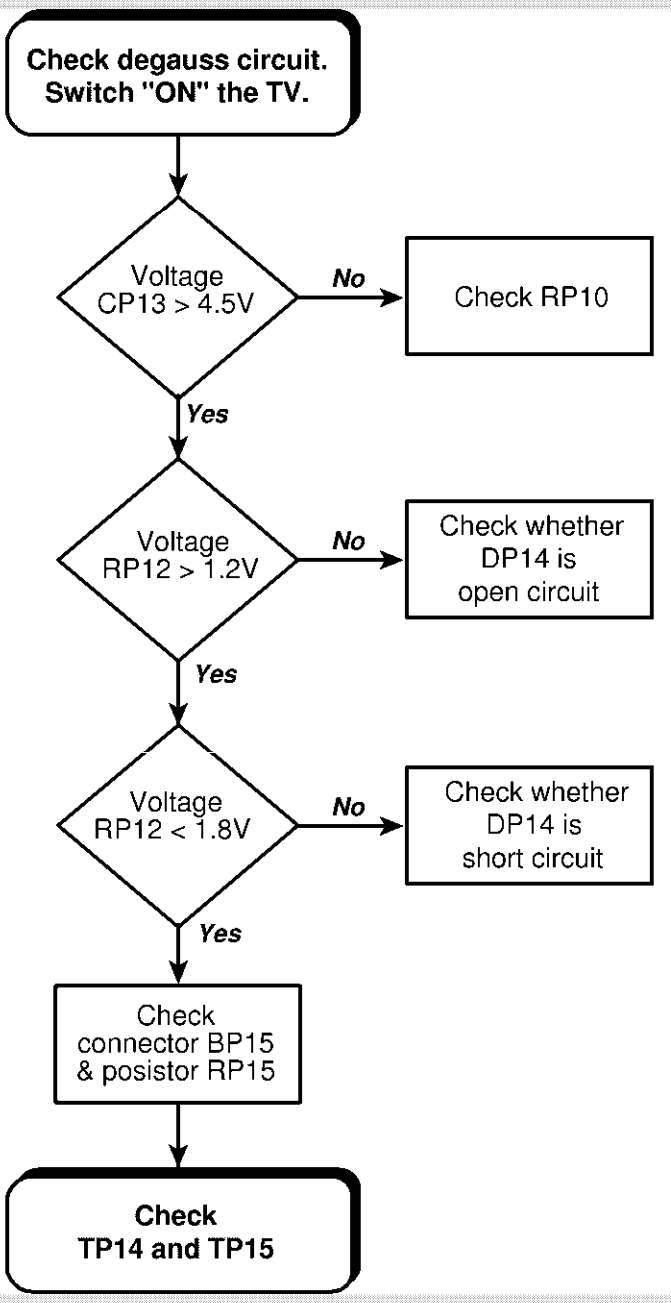
STANDBY POWER SUPPLY - PRIMARY SIDE



General: All measurements must be taken with the TV connected to the mains supply via an Isolation Transformer.

Important information:
If the over-voltage circuit was activated, you will have to change the fuse resistor at location RB/LB06 on the CRT-board.

DEGAUSSING CIRCUIT

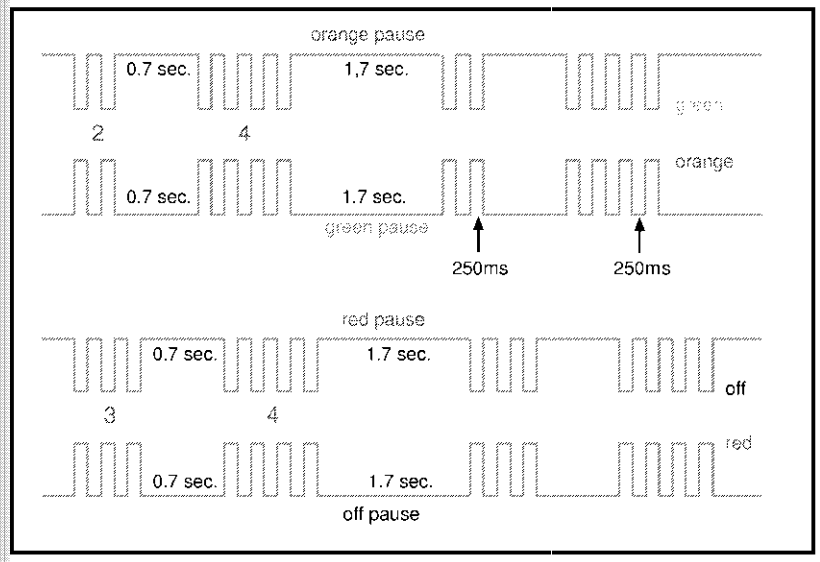


GENERAL INFORMATION - LED BEHAVIOUR

LED FLASHES

Error message transmission.
The error codes are signalled by the TV's red LED .

Count the number of flashes : the error code is two burst separated by a pause of 0.7 sec. and repeated four times. There is 1.7 sec between each codes sequence.

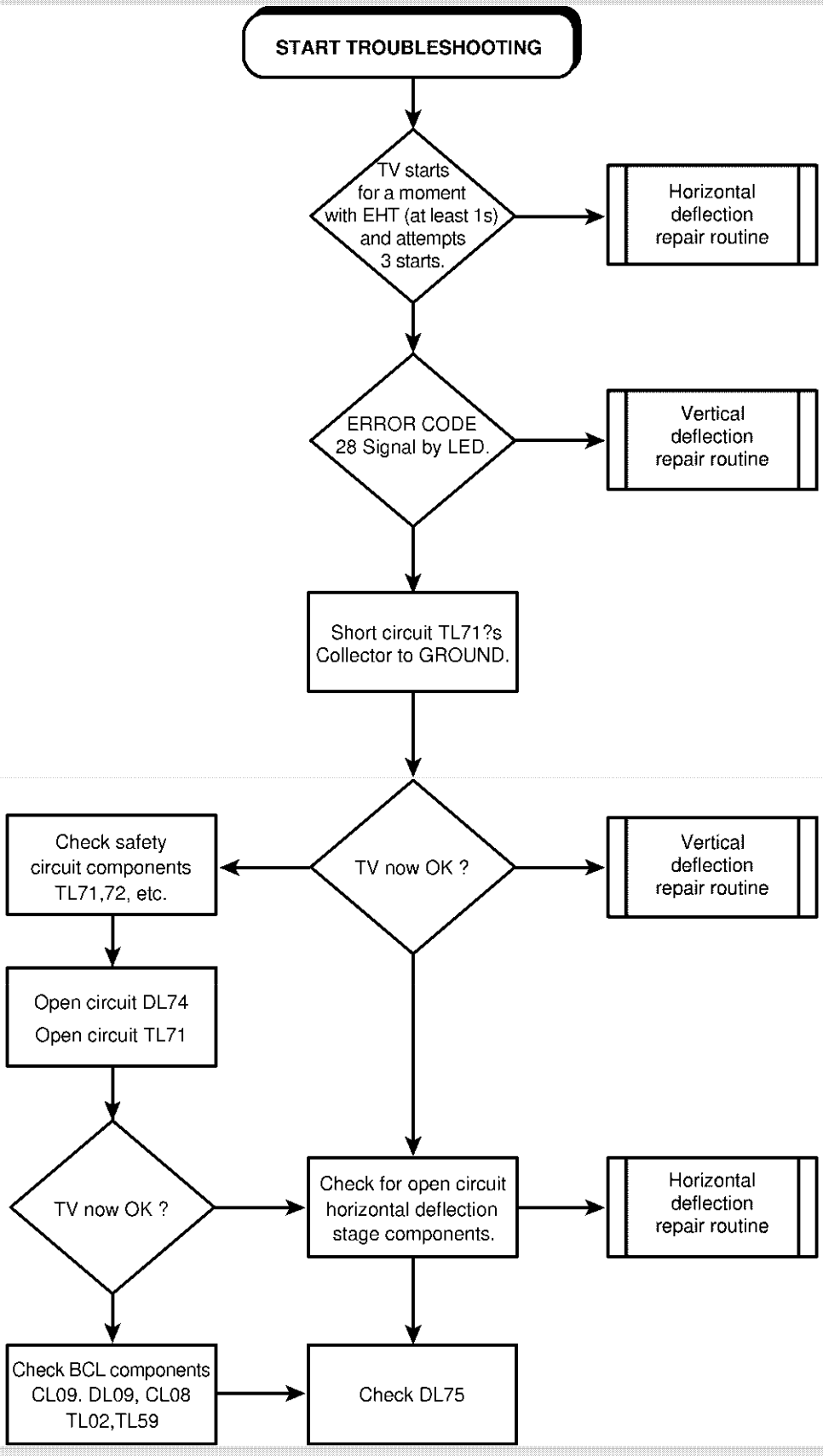


Currently all ICC17 TV sets are fitted with a Bicoloured LED, the red part is the Standby LED whilst, the green part is directly connected to the switched +8V supply. Therefore, the colour of the LED will depend upon the state of this voltage, the chart below gives the corresponding LED-colours:

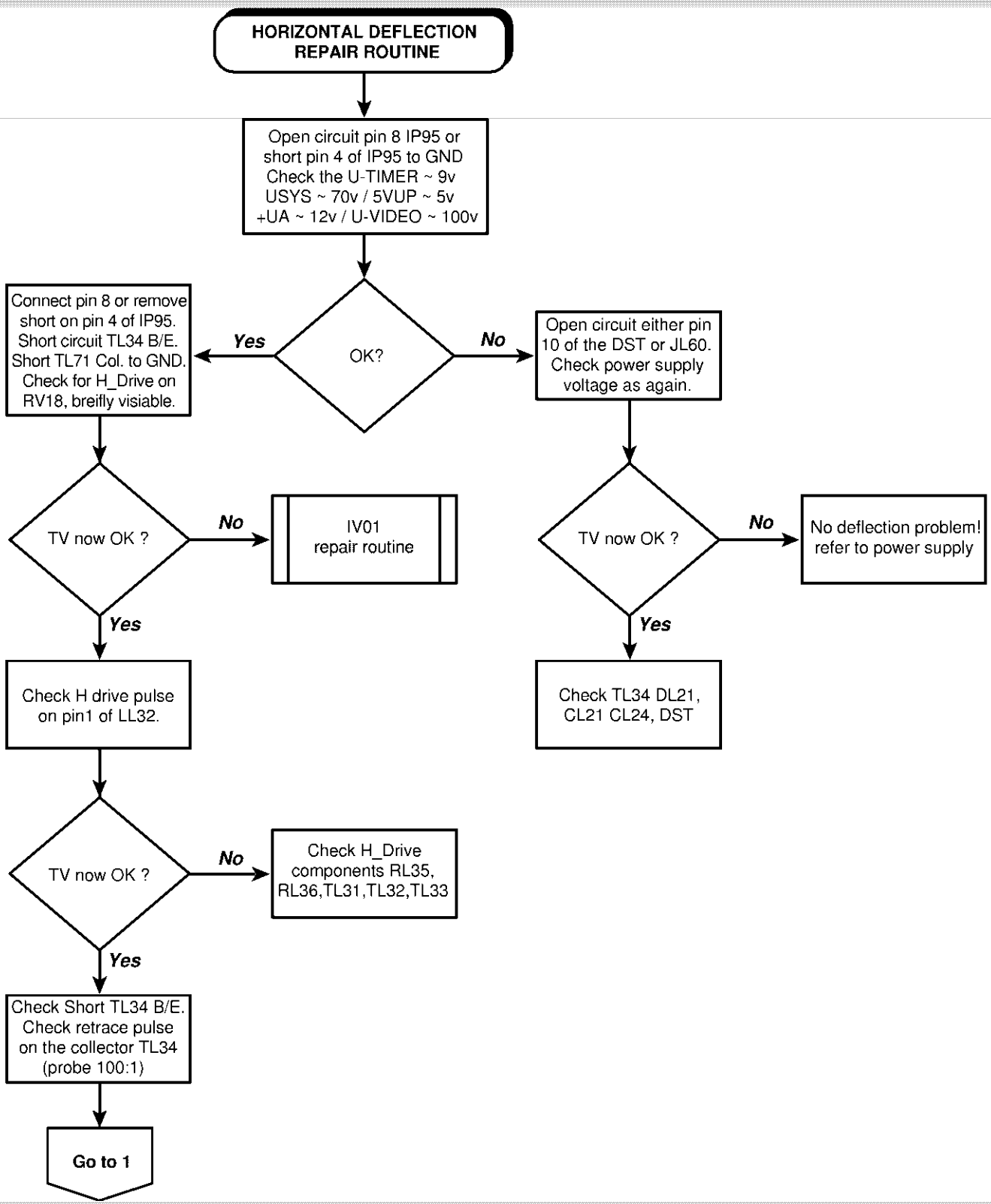
	LED-port	
switched +8 V	off	on
on	green	orange
off	off	red

CODES	DEFAULTS
12	AUDIO-DPL DOES NOT ANSWER
14	TDA8855H DOES NOT ANSWER
15	AUDIO-MSP PROCESSOR NO LONGER RESPONDING
19	TUNER DOES NOT ANSWER
21	SDA LINE BEING HELD LOW
23	CLOCK HELD AT LOW LEVEL, SCL LINE HELD AT A LOW LEVEL
25	SWITCHED 5V NOT AVAILABLE
26	TUBE DOES NOT GET WARM IN TIME
27	THE DEFLECTION STAGE HAS DETECTED A FAULT ON MORE THAN THREE OCCASIONS
28	TDA VERTICAL GUARD VOLTAGE EXCEEDED
29	TDA HORIZONTAL GUARD VOLTAGE EXCEEDED
31	INTERNAL SOFTWARE ERROR
32	A SOFTWRE-TIMER HAS BEEN REQUESTED, BUT IS NOT YET AVAILABLE
34	THE NVM CHIP DOES NOT ANSWER
35	+13V IS NOT AVAILABLE
36	WRONG NVRAM ADDRESS PASSED TO THE BUS - HANDLER
37	UNEXPECTED LEVEL ON NMI (INTERRUPT) LINE FOUND (POSSIBLE CAUSE : TUBE FLASHOVER)
38	HEAP FULL
41	BUS (DATA LINE) NOT RECOVERABLE

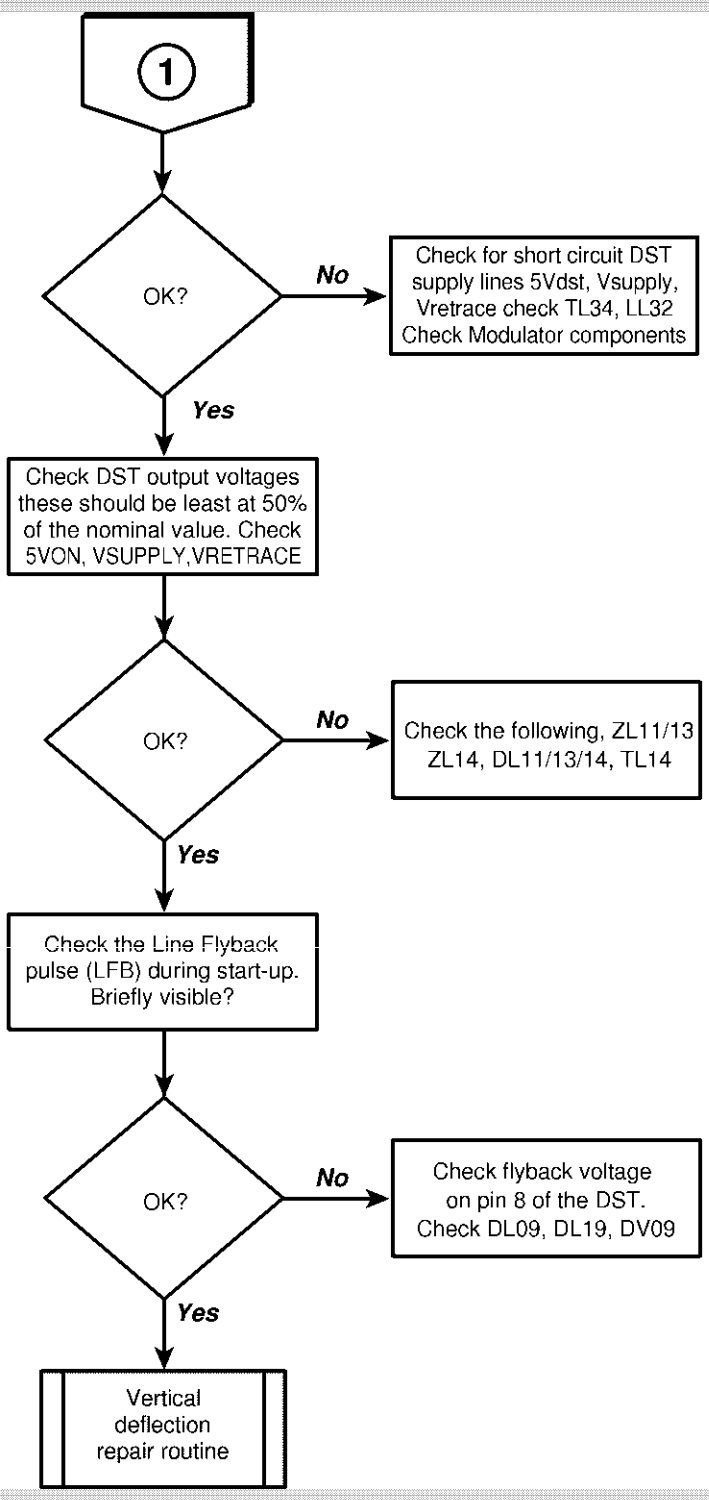
DEFLECTION CIRCUIT CHECK



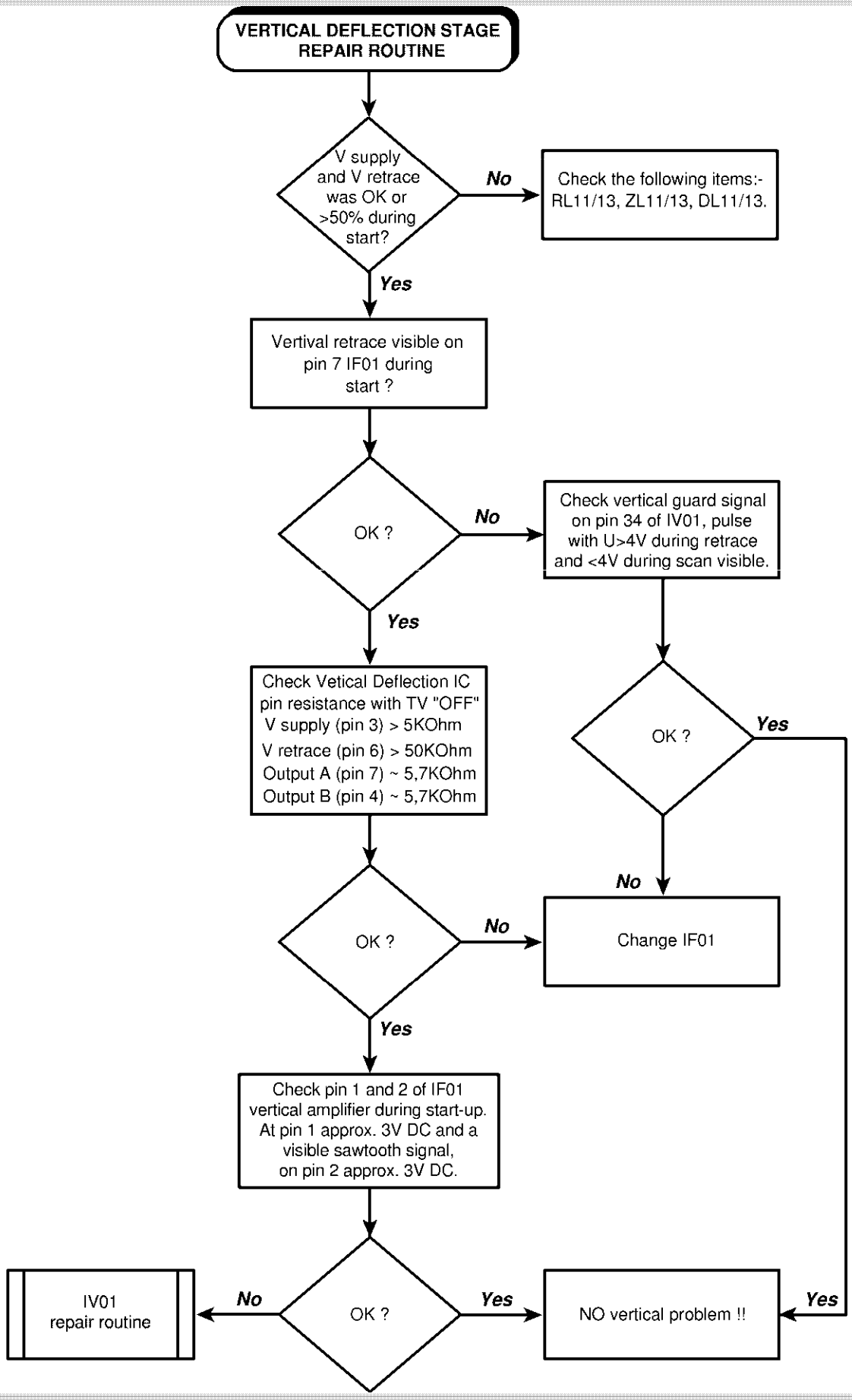
DEFLECTION CIRCUIT CHECK



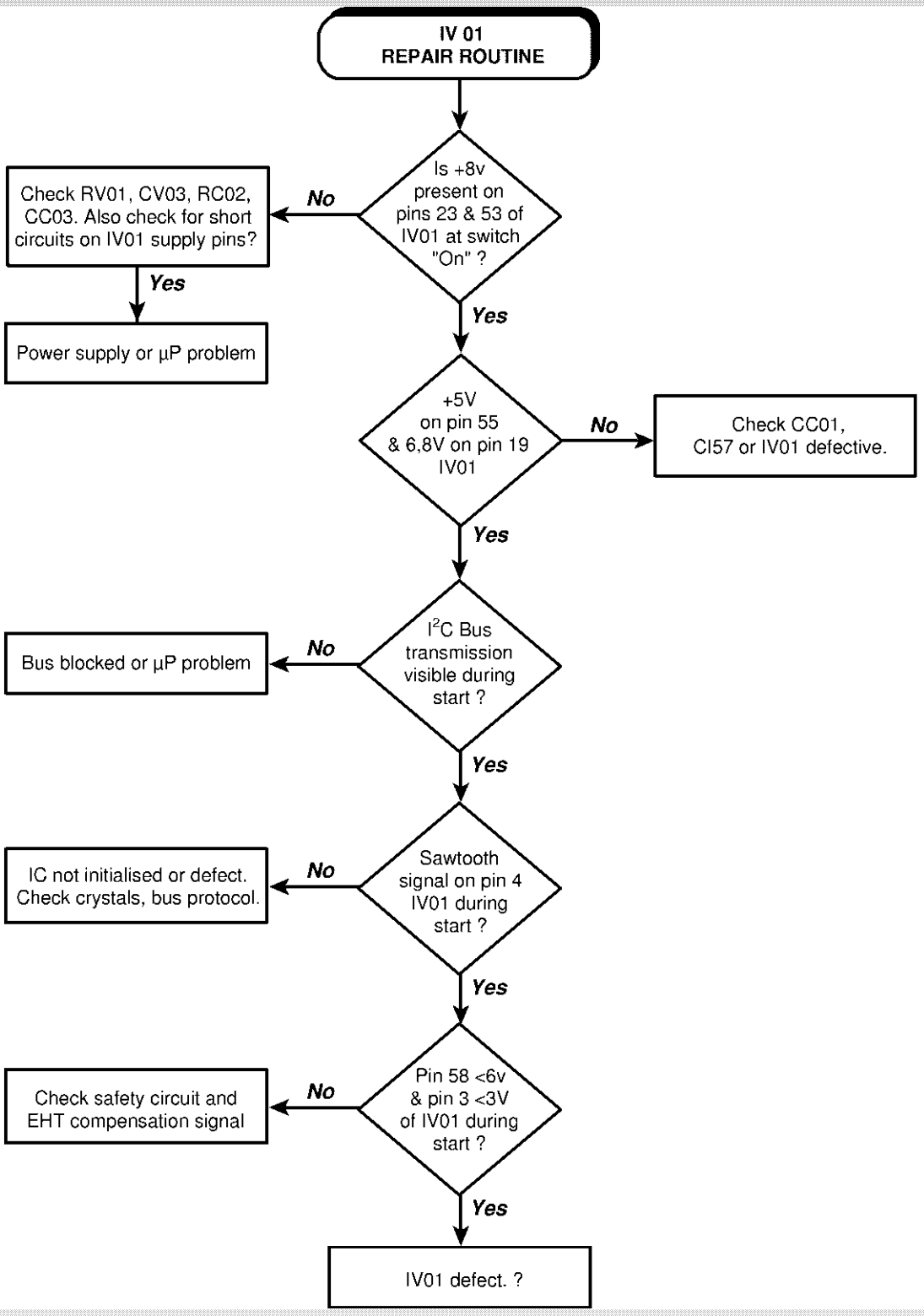
DEFLECTION CIRCUIT CHECK



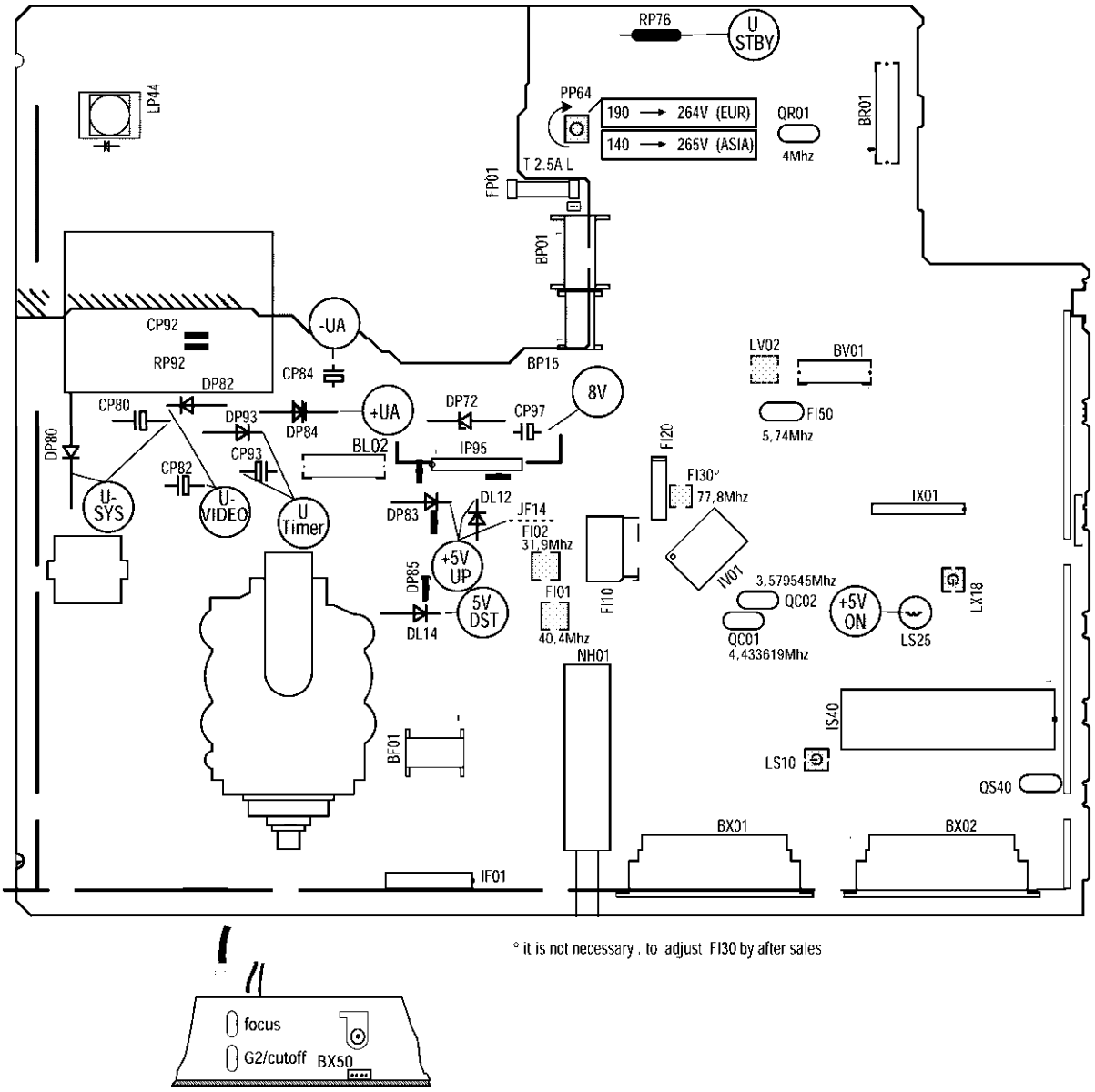
DEFLECTION CIRCUIT CHECK



DEFLECTION CIRCUIT CHECK



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

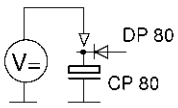


° it is not necessary , to adjust FI30 by after sales

Part of board connected to mains supply.
Partie du châssis reliée au secteur.
Primärseite des Netzteils.
Parte dello chàssis collegata alla rete.
Parte del chassis 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 - REGOLAZIONI - AJUSTES

<table>
<tr>
<td>U Sys</td>
<td>PP 64</td>
<td>◑ + ☼ + ◕ = 50%
TV to AV1 : Black test pattern</td>
<td> 
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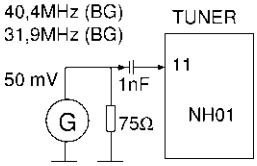
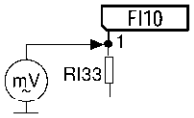
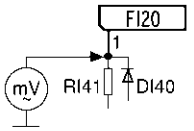
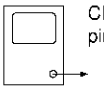
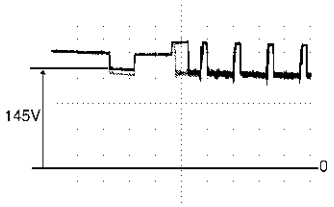
<table>
<tr><th>Tube</th><th>Format</th><th>Usys</th><th>Jumper</th><th>RL65</th></tr>
<tr><td>A51EBV13X01</td><td>4:3</td><td>128V+/-0,5V</td><td>JL80</td><td>4k7</td></tr>
<tr><td>A51EFS83X191</td><td>4:3</td><td>126V+/-0,5V</td><td>JL80</td><td>4k7</td></tr>
<tr><td>A59EHJ43X15</td><td>4:3</td><td>132V+/-0,5V</td><td>JL81</td><td>24k</td></tr>
<tr><td>A66EHJ43X15</td><td>4:3</td><td>132V+/-0,5V</td><td>JL81</td><td>24k</td></tr>
<tr><td>A59EGD048X30</td><td>4:3</td><td>126V+/-0,5V</td><td>JL80</td><td>4k7</td></tr>
<tr><td>A68EGD038X30</td><td>4:3</td><td>126V+/-0,5V</td><td>JL80</td><td>4k7</td></tr>
<tr><td>A68EGD038X70</td><td>4:3</td><td>126V+/-0,5V</td><td>JL80</td><td>4k7</td></tr>
<tr><td>A68AGA25X01</td><td>4:3</td><td>126V+/-0,5V</td><td>JL80</td><td>4k7</td></tr>
<tr><td>A80AEJ15X01</td><td>4:3</td><td>126V+/-0,5V</td><td>JL80</td><td>4k7</td></tr>
<tr><td>A80AEJ15X99</td><td>4:3</td><td>126V+/-0,5V</td><td>JL80</td><td>4k7</td></tr>
<tr><td>W56EGV023X015</td><td>16:9</td><td>138V+/-0,5V</td><td>JL82</td><td>47k</td></tr>
<tr><td>W66EGV023X015</td><td>16:9</td><td>138V+/-0,5V</td><td>JL82</td><td>47k</td></tr>
<tr><td>W76EGV023X015</td><td>16:9</td><td>138V+/-0,5V</td><td>JL82</td><td>47k</td></tr>
</table>
</td>
</tr>
<tr>
<td rowspan="2">iF Alignment
Alignement FI</td>
<td>trap 40.4Mhz
FI 01</td>
<td rowspan="2">Switch set to standard BG
Commuter le TV au standard BG
IF Signal
40,4MHz (BG)
31,9MHz (BG)
 
</td>
<td> 
</td>
<td>Adjust FI01 for minimum value at 40,4Mhz</td>
</tr>
<tr>
<td>trap 31.9Mhz
FI 02</td>
<td> 
</td>
<td>Adjust FI02 for minimum value at 31,9Mhz</td>
</tr>
<tr>
<td>U G2 / cutoff</td>
<td>SCREEN</td>
<td>◑ + ☼ + ◕ = 50%
AV (no Signal, black screen)</td>
<td> 

highest output</td>
<td> 
</td>
</tr>
<tr>
<td>FOCUS</td>
<td>FOCUS
LL05</td>
<td>  Test pattern
(standard values)</td>
<td>  </td>
<td>Sharp picture</td>
</tr>
</table>

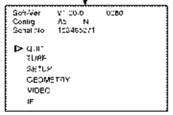
MODO SERVICIO (E)

I -ENTRADA/SALIDA MODO SERVICIO

1 ACCESO AL MODO SERVICIO

Acceso con panel control TV

- Con el mando a distancia conectar a STANDBY el televisor. Desconectar el aparato con el interruptor de la red (esperar hasta que el LED se apague)
- Pulse los botones **PR -** y **VOL -** y sin soltarlos,pulsar la tecla MARCHA/PARADA.
- Libere los botones PR - y **VOL -** (3S)



Note :

En modo servicio
- Se ignora la función de bloqueo y se inicializa la función "contadora horas".
- Anula todas las horas programadas
- La patilla 8 del SCART es ignorada
- La detección WSS AV Link, EPG, y Teletexto son desactivados
- El apagado automático en caso de ausencia de señal de antena es desactivado.
- El contraste,color y brillo son puestos a los valores de fábrica
- la nitidez es puesta al punto medio
- La expansión de contrast al nivel bajo
- Modo Instalación es desactivado.
- Zoom y formato ignorados.

2 SALIDA TEMPORAL DEL MODO SERVICIO

- Pulse Salir en el mando a distancia
- Con el botón Menu puede acceder al menú de uso cotidiano

- Puede entrar al Menú Servicio con el botón azul.

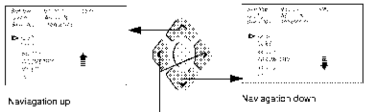
3 SALIDA DEL MODO SERVICIO

telecomando	Panel de control TV	Tecla on/off de
Vaya al punto QUIT del menú principal de modo Servicio	Vaya al punto QUIT del menú principal de modo Servicio	- Función Stand-by o desconexión (off) con tecla on/off.
- Pulse el botón «<», «OK» o «>»	- Pulse el botón «VOL +»	
- Modo TV	- Modo TV	

Los valores o ajustes no se guardan antes de salir del modo servicio y no se escriben en la NVM

II - NAVIGATION INSIDE THE SERVICE MODE - DEPLACEMENT DANS LE MODE SERVICE
FUNCTIONS WALLIN SERVICE MODE - OPZIONI NEL SERVICE MODE - BUSQUEDA EN MODO SERVICIO

1 REMOTE CONTROL - TELECOMMANDE - FERNBEDIENUNG TELECOMANDO - MANDO A DISTANCIA

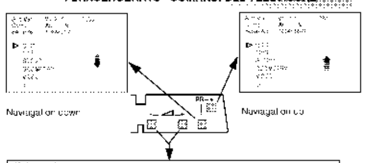


- Select option
- Option anwählen
- Selezionare l'opzione
- Seleccionar opción

- "Change" value
- Wert "ändern"
- "Cambiare" valore
- "Cambiar" valor

">" → VALUE ↗
"<" → VALUE ↘

2 TV CONTROL PANEL - CLAVIER TV - TASTATUR DES FERNSEHGERÄTS - COMANDI DEL TELEVISORE



- Select option
- Option anwählen
- Selezionare l'opzione
- Seleccionar opción

- "Change" value
- Wert "ändern"
- "Cambiare" valore
- "Cambiar" valor

Vol. (+) → VALUE ↗
Vol. (-) → VALUE ↘

3 DISPLAYING THE VALUE OF THE SETTING - AFFICHAGE DES VALEURS - ANZEIGE DES EINSTELL WERTS VISUALIZZAZIONE DEL VALORE DELLA REGOLAZIONE - VISUALIZACION DEL VALOR DE AJUSTE

H-Position ◁▷ 0F

00 to FF
Hexadecimal value
Valeur hexadécimale
Einstellwert hexadezimal
Valore esadecimale
Valor hexadecimal

Set value : NVM value

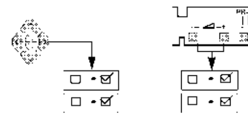
> : Display + > NVM value

< : Display - < NVM value

4 TOGGLE FUNCTIONS - VALIDATION DES FONCTIONS EIN-UND AUSSCHALT FUNKTIONEN - FUNZIONI DI COMMUTAZIONE - FUNCION CONMUTACION

To enable a function check (tick) ☑ the box.
Pour valider une fonction cocher ☑ la case correspondante
Zum Implementieren einer Funktion das Kontrollkästchen ☑ aktivieren (ankreuzen)
Per implementare una funzione di verifica (vistare) ☑ la casella
Para poner en fucionamiento una función verifique (señale) ☑ la casilla

☑ :Enable function ☐ : Disable function



5 STORING VALUES IN MEMORY - MEMORISATION DES VALEURS - SPEICHERN DER WERTE - MEMORIZZAEZ I VALORI - VALORES ALMACENADOS EN LA MEMORIA

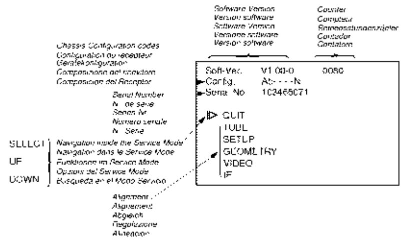
After setting, the values are stored in NVM.
Après réglages les valeurs sont mémorisées en NVM.
Nach dem Einstellen werden die Werte im NVM gespeichert.
Dopo la regolazione i valori vengono memorizzati in NVM.
Después del ajuste, los valores son almacenados en NVM

The box ☐ becomes ☑
During alignment, values are temporarily stored in RAM
En cours d'alignement les valeurs sont memorisées temporairement en RAM
Während des Abgleichs werden die Werte vorübergehend im RAV gespeichert
Durante l'allineamento i valori vengono memorizzati provvisoriamente sulla RAV
Durante el ajuste, los valores son almacenados temporalmente en RAV

Store ➠	Copies RAM values into NVM Copie la valeur RAV en NVM Kopieren des Werts von RAM nach NVM Copiare i valori RAV in NVV Copiar valores RAV en NVV
Restore ➠	Copies all values from NVM into RAM Copie toutes les valeurs des données NVM en RAM Kopiert alle NVV-Datenwerte in den RAV Copiare tutti i valori da NVM sulla RAM Copia todos los valores de NVM a RAV
ROM Default ➠	All the default values of a page in use are stored in RAM. L'ensemble des valeurs par défaut d'une page courante est chargé en RAV Sämtliche Standardwerte der aktuellen Seite werden im RAM geladen Tutti i valori di default di una pagina in uso vengono memorizzati sulla RAM Todos los valores por defecto de la pagina en curso estan almacenados en RAV

III - LITE-MENU FOR FIELD SERVICE MODE - MENUS DU MODE SERVICE

1 MAIN MENU - MENU PRINCIPAL



TV CONFIGURATION - CONFIGURATION DU TV - GERÄTEKONFIGURATION - CONFIGURAZIONE DEL TV - CONFIGURACIÕN DEL TV

Config. A1Z-DKC

Character 1 : Tube type : «A»= 4/3 , «W» =16/9
Character 2 : Chassis type : «5» = 50Hz
Character 3 : Zoom available : «Z»=yes, «-»=not
Character 4 : Ambiant Sensor : «S»= detected, «-»= not
Character 5 : Dolby «D»=detected «-»= not
Character 6 : AV Link detected : «K»=IR link detected, «-»= not
Character 7 : Chassis Variant «N»= Nicam, «S»=Stereo

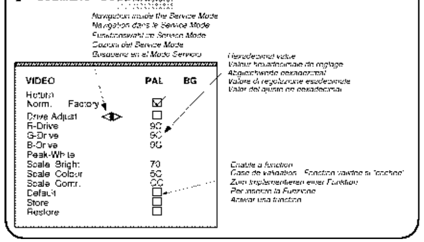
Serial-N0. AI6------

Character 1 : Factory «A»= Angers , «C» =Celle «T» =Tarancon
Character 2 : Year : «G» = 1996, «H»= 1997 etc..
Character 3 : Month, from : «1»=January to «C»=December
Character 4-9 : Serial N0.

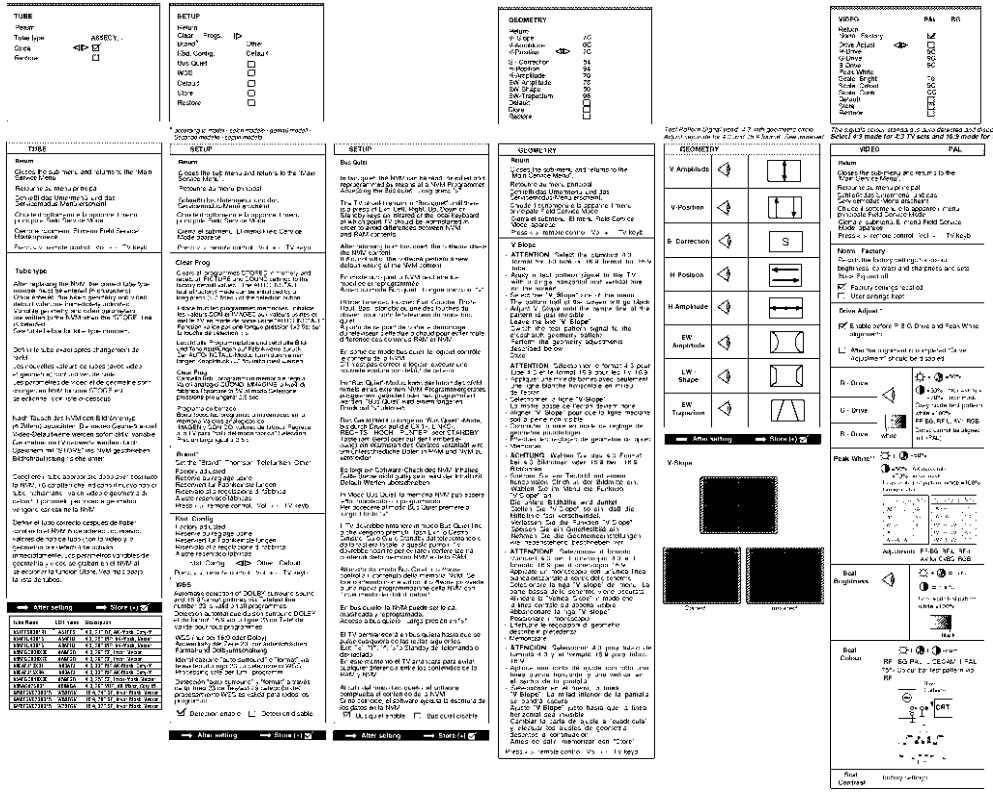
TIME COUNTER - COMPTEUR DE TEMPS - BETRIEBSSTUNDENZAHLER - CONTATORE - CONTADOR

The counter indicates the TV's number of service hours it counts from to 0 to 65535 hours. The display is hexadecimal
Le compteur de temps indique le nombre d'heures de service du TV. Il compte de 0 à 65535 heures. L'affichage est en hexadécimal.
Der Zähler zeigt an, wieviele Stunden der Fernseher in Betrieb ist. Die Anzeige ist hexadezimal
Il contatore indica il numero di ore di servizio del TV. Può contatore da 0 a 65535. La visualizzazione è esadecimale.
El contador indica el numero de horas de servicio de la TV. Cuenta de 0 a 65535 horas. El visualizador es hexadecimal

2 SUBMENU - SOUS-MENU



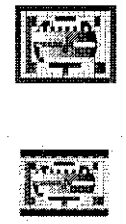
ALIGNMENT PROCEDURE - PROCESSUS DE REGLAGES - ABGLEICH - VISUALIZZAZIONE DEL VALORE DI REGOLAZIONE - PROCEDIMIENTO DE ALINEACION



GEOMETRY MODE ALIGNMENT

4/3 picture tube

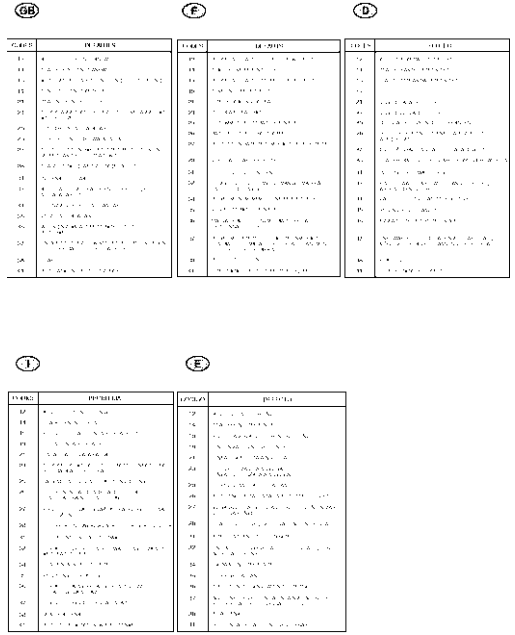
Signal : 4/3 test pattern



16/9 picture tube

Signal : 4/3 test pattern

ERROR CODES

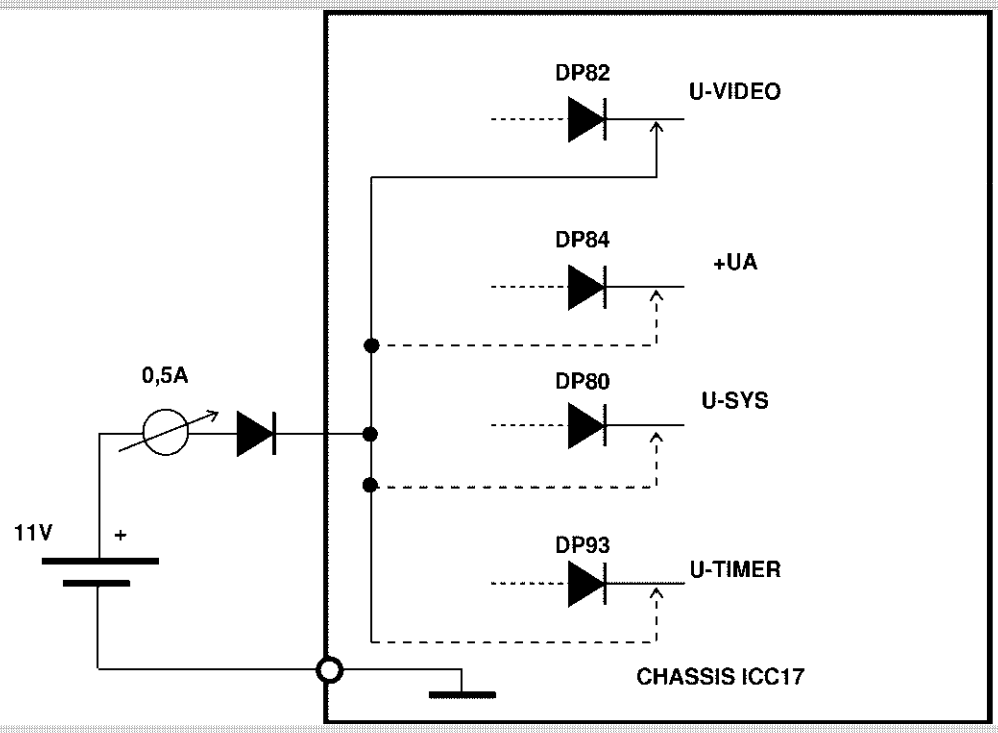


SECONDARY DC-VOLTAGES

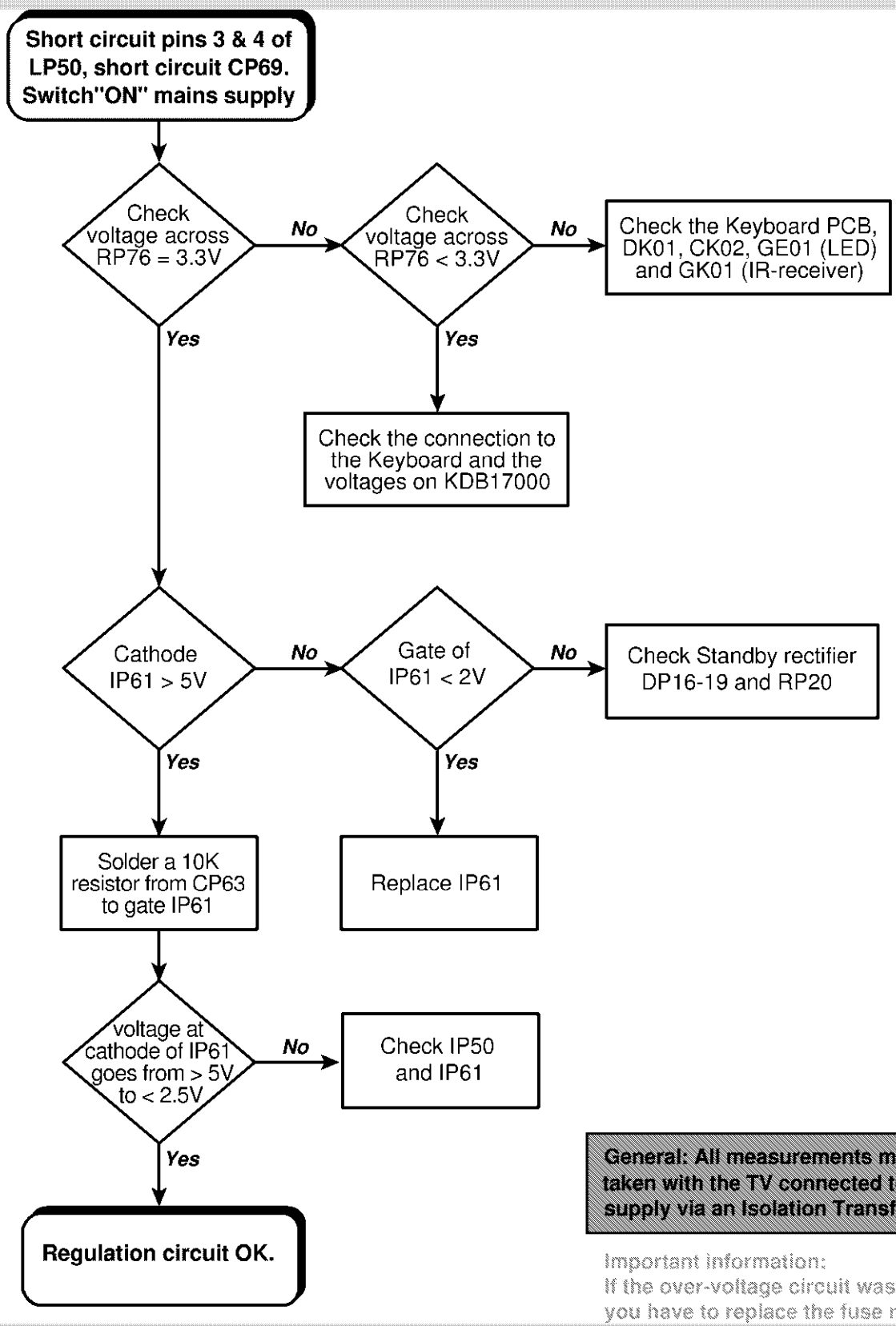
All measurements in this chapter must be done WITHOUT the mains supply connected to the TV.

Test circuit:

The external voltage source is provided by a variable DC-power supply with its output voltage set to 11V and the current limitation set to 500mA's. The negative terminal of the DC-power supply must be directly connected to the chassis secondary ground plane. The positive terminal of the DC-power supply is first connected to an ammeter and then the anode of an isolation diode. The cathode of the isolation diode is then connected to the load on the chassis as shown below. Measure the current drawn by each load tested.



STANDBY POWER SUPPLY - SECONDARY SIDE

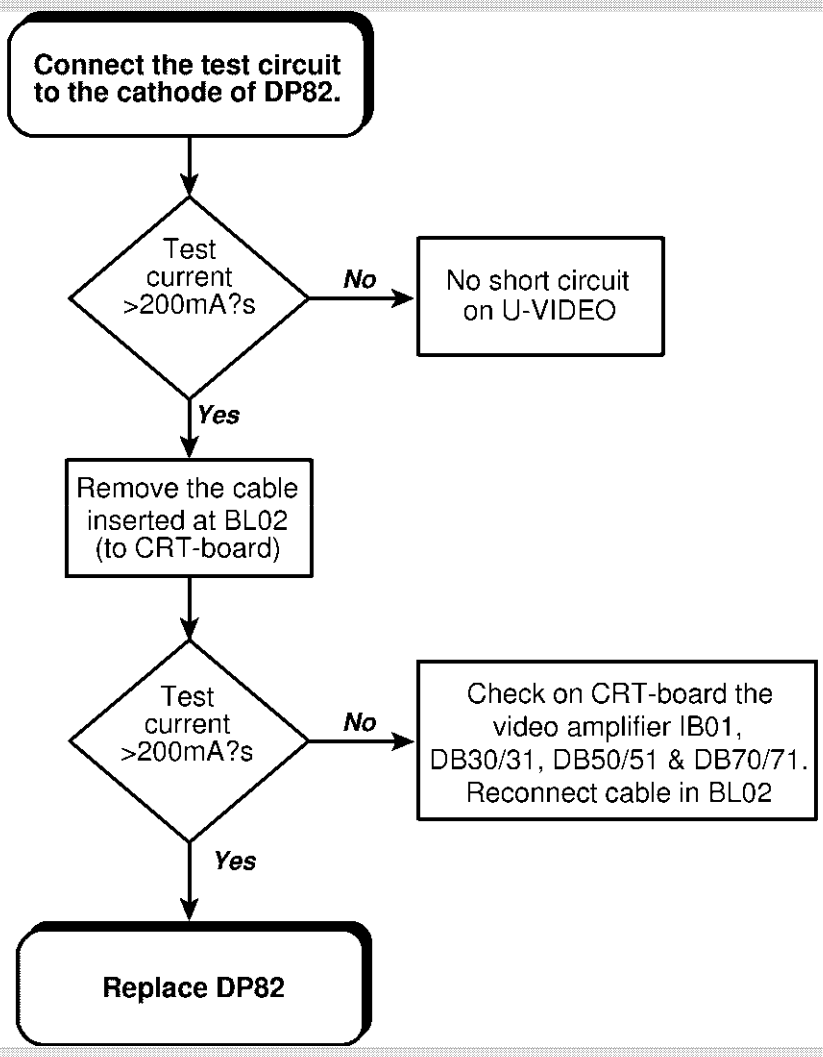


General: All measurements must be taken with the TV connected to the mains supply via an Isolation Transformer.

Important information:
If the over-voltage circuit was activated, you have to replace the fuse resistor at location RB/LB06 on the CRT-board.

After finishing this test, please remove the short circuits from pins 3/4 of LP50 and CP69 also remove the 10k resistor.

POWER SUPPLY - SECONDARY SIDE : U-VIDEO

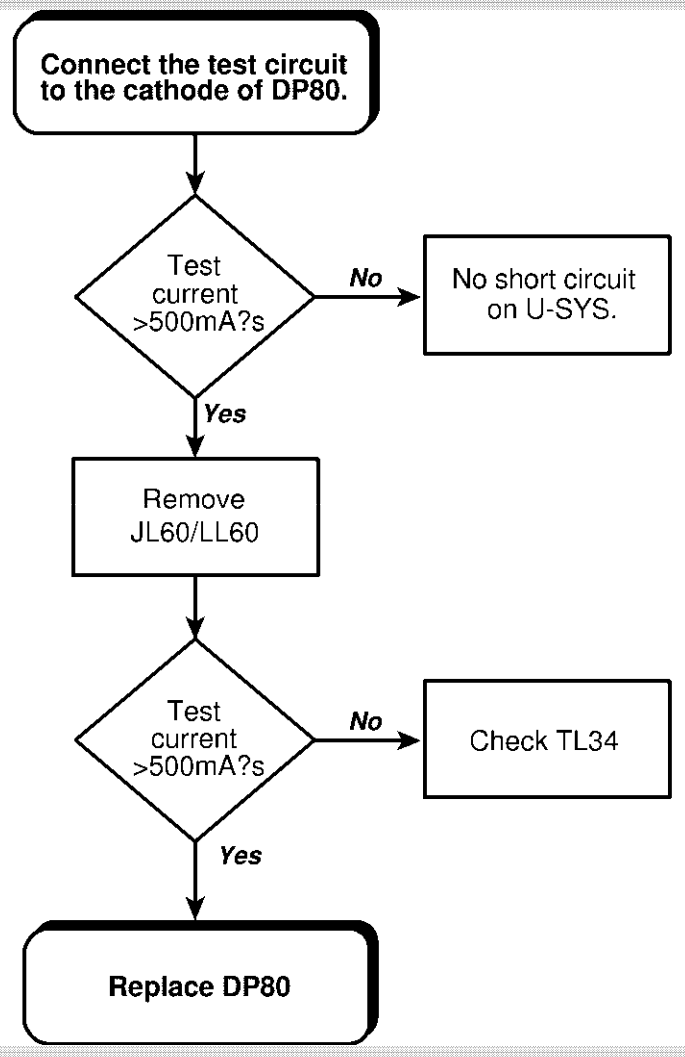


After finishing this test, please replace cable BL02 and remove the test circuit.

General: All measurements must be taken with the TV connected to the mains supply via an Isolation Transformer.

Important information:
If the over-voltage circuit was activated, you have to replace the fuse resistor at location RB/LB06 on the CRT-board.

POWER SUPPLY - SECONDARY SIDE : U-SYS

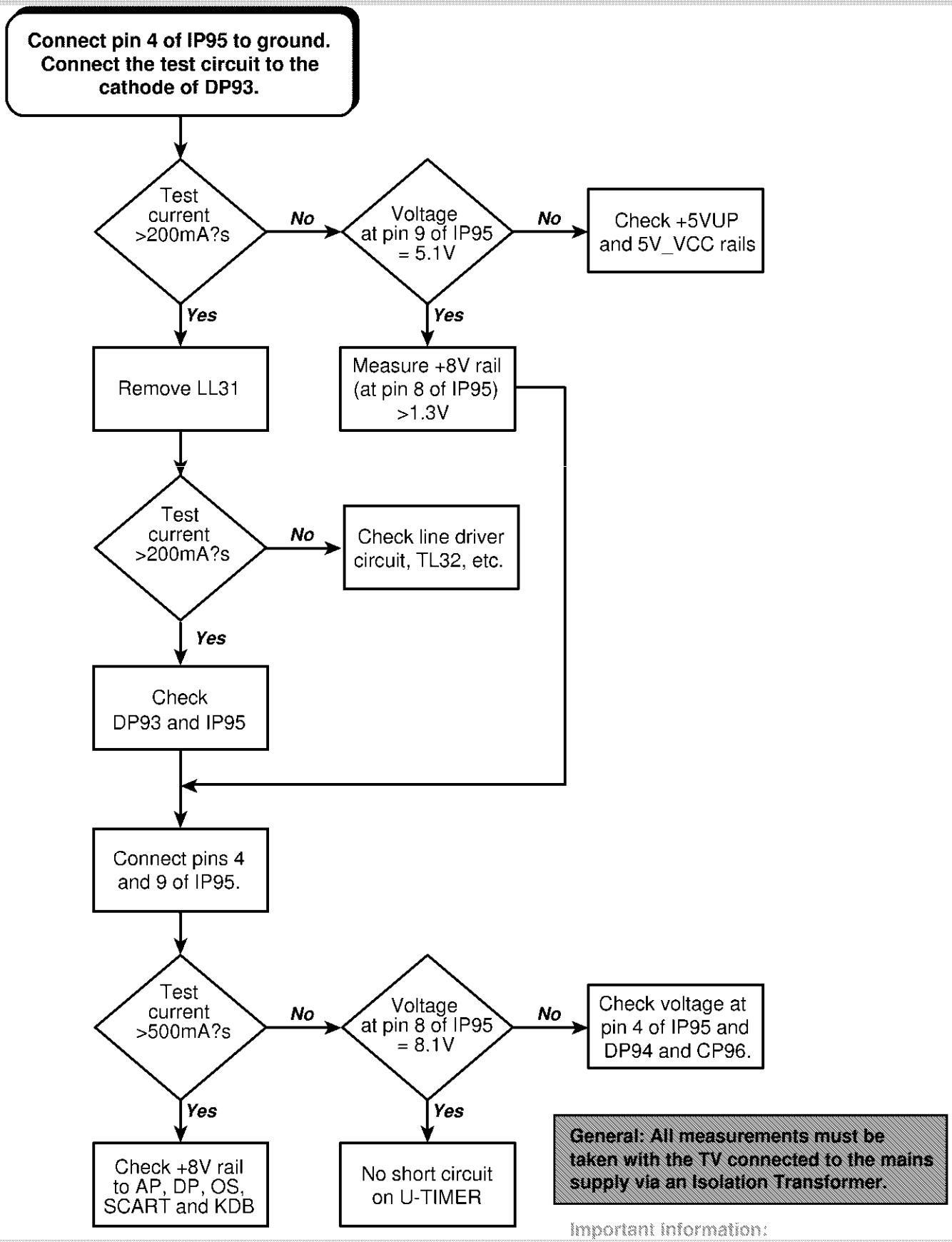


After finishing this test, please replace JL60/LL60 and remove the test circuit.

General: All measurements must be taken with the TV connected to the mains supply via an Isolation Transformer.

Important information:
If the over-voltage circuit was activated, you have to replace the fuse resistor at location RB/LB06 on the CRT-board.

POWER SUPPLY - SECONDARY SIDE : U-TIMER

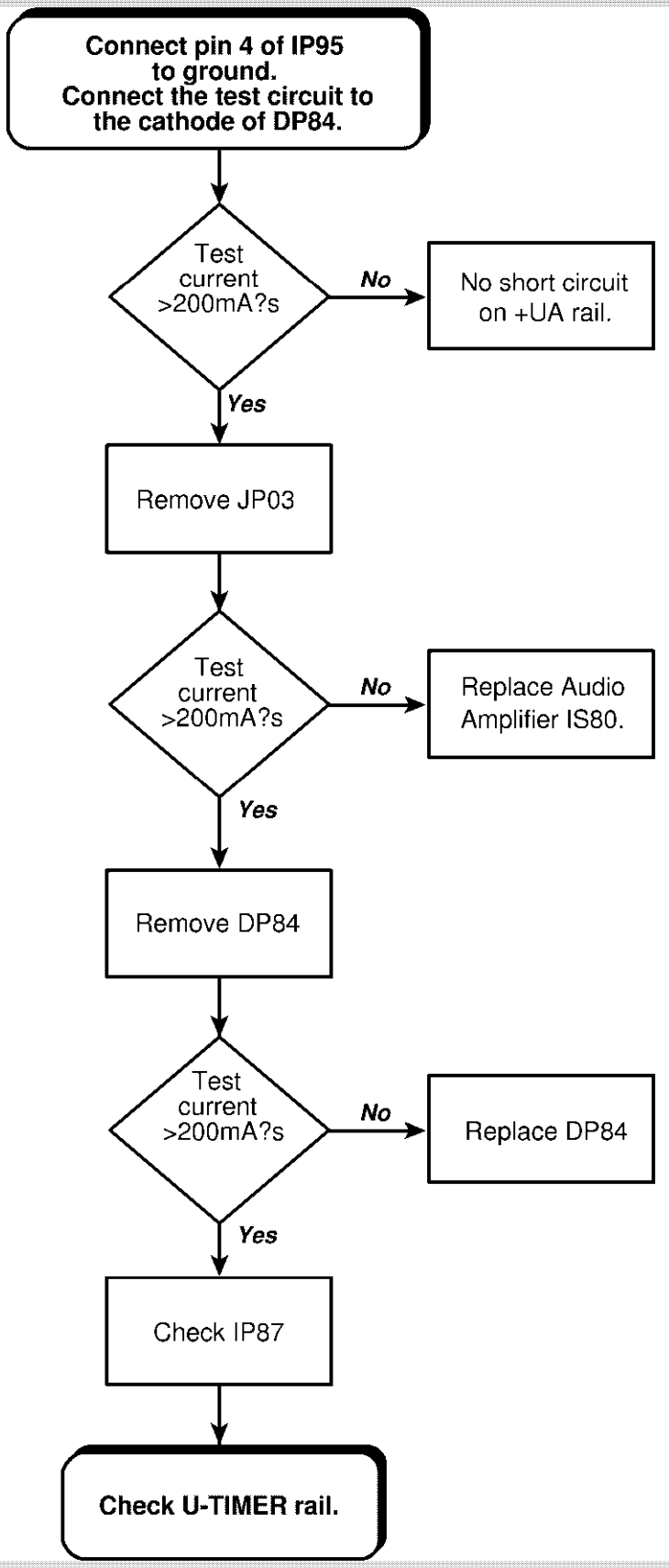


General: All measurements must be taken with the TV connected to the mains supply via an Isolation Transformer.

After finishing this test, please replace LL31, remove the link between pins 4 and 9 of IP95 and remove the test circuit.

Important information:
If the over-voltage circuit was activated, you have to replace the fuse resistor at location RS/LB06 on the CRT-board.

POWER SUPPLY - SECONDARY SIDE : +UA



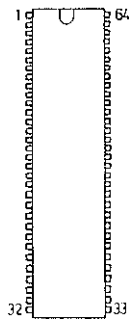
General: All measurements must be taken with the TV connected to the mains supply via an Isolation Transformer.

Important information:
If the over-voltage circuit was activated, you have to replace the fuse resistor at location RB/LB06 on the CRT-board.

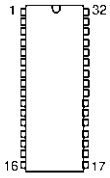
LIST OF ABBREVIATIONS - LISTE DES ABREVIATIONS- ABKÜRZUNGEN LISTA DELLE ABBREVIAZIONI - LISTA DE ABREVIACIONES

- **+USYS:** System voltage
- **+U_VIDEO:** Video drive voltage for the CRT board
- **+ STDBY_ ON:** Standby data (0V standby , 0.6v switched ON)
- **+5V DST:** 5v unregulated voltage from the DST to supply the tuner and audio MSP device
- **+5V ON:** 5v regulated voltage from the DST to supply the tuner and audio MSP device
- **+5V UP :** Microprocessor supply voltage
- **BCL:** Beam current limiting information
- **CVBS:** Composite video / luminance signal
- **CVBS_OUT:** Composite video output
- **CVBS_TXT:** Composite video for teletext extraction
- **DEGAUSS:** Degauss signal
- **EW :** East / West
- **FORMAT / BC:** Full white control DATA depending on 16/9 selected format
- **HDRV:** Horizontal deflection signal
- **HTR1 / HTR2:** Heater voltage from the DST to CRT PCB
- **LFB:** Line Fast Blanking
- **MUTE :** Mutes audio amplifiers
- **PO:** "Power ON " IP95 : reset activated and output = 8v "PO" = 5v when TV is working in normally
- **POWER_FAIL:** Detection of mains supply and deflection stage failures
- **RESET:** Microprocessor reset signal
- **SAFETY:** Safety information from the deflection stage
- **SCL:** Serial Clock
- **SDA :** Serial Data
- **SIF:** Sound IF
- **TRAP_INFO:** 31.4Mhz IF trap activation
- **U_ STANDBY:** Standby voltage
- **U_DRIVER:** Horizontal sync signal from TDA8855H
- **U_TIMER:** 11v voltage used during "Switch ON " phase and "Wake Up" mode
- **V FLB:** Vertical flyback reference for the microprocessor
- **V GUARD:** Safety data generated by the vertical amplifier TDA 8351
- **V_RETRACE:** 42 / 48volts (depending on tube type) generated by the DST and used for vertical blanking
- **V_SUPPLY:** 13.5 to 15.5 volts (depending on tube type) generated by the DST

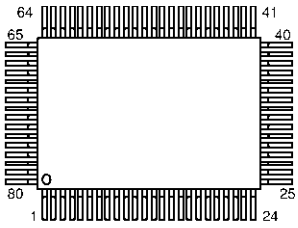
INTEGRATED CIRCUITS AND TRANSISTORS OUTLINE -
CIRCUITS INTEGRES ET TRANSISTORS
INTEGRIERTE SCHALTUNGEN UND TRANSISTOREN -
CIRCUITI INTEGRATI TRANSISTOR
CIRCUITOS INTEGRADOS Y TRANSISTORES



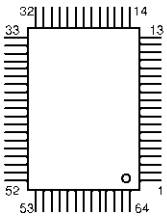
MPS3400C-PP-C6



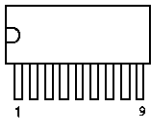
MX27C200MC-12



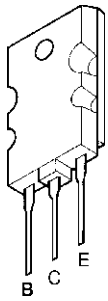
ST92R195



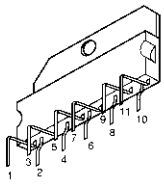
TDA8855H



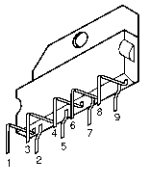
TDA8351



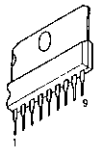
BUH516TH16



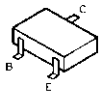
TDA7269



TDA6107Q

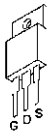


TDA 8139

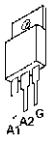


BC 847B
BC 857B
BCR141
BCR191
DTC113ZK
DTC144EK
TN1401

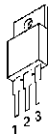
ST24C08-M
TS3702CD



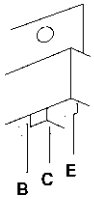
STP6 NA60F1



BT806 -600C



MC7812/CT



BD241C

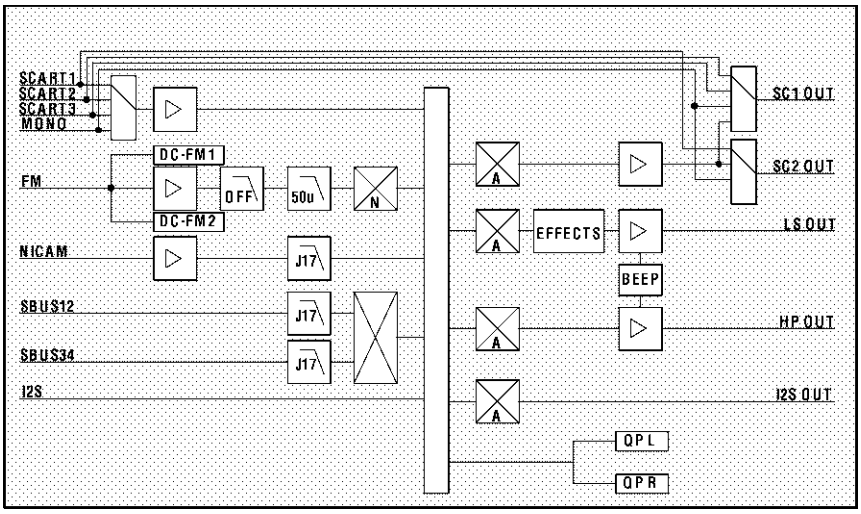
BC 337
BC 546B
BC 547B

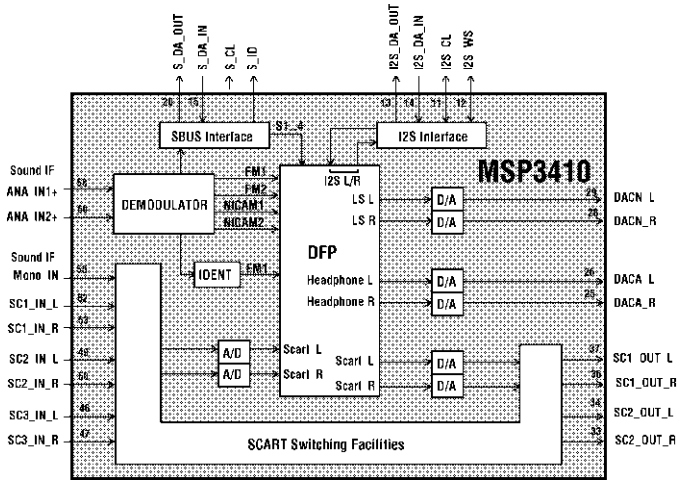
BF 422
BF423
2SA1020Y
2SC2236Y

MPS750

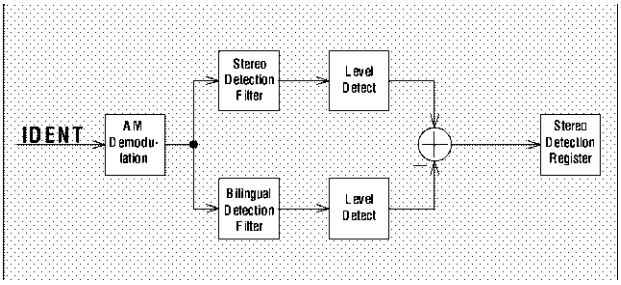
INTEGRATED CIRCUITS BLOCK DIAGRAMS - SYNOPTIQUES INTERNES DES CIRCUITS INTEGRES - INTEGRIERTE SCHALTUNGEN BLOCKSCHALTBILDER SCHEMA A BLOCCHI DEI CIRCUITI INTEGRATI - VISTA INTERNA DE LOS CIRCUITOS INTEGRADOS

Audio baseband processing of the MSP3410

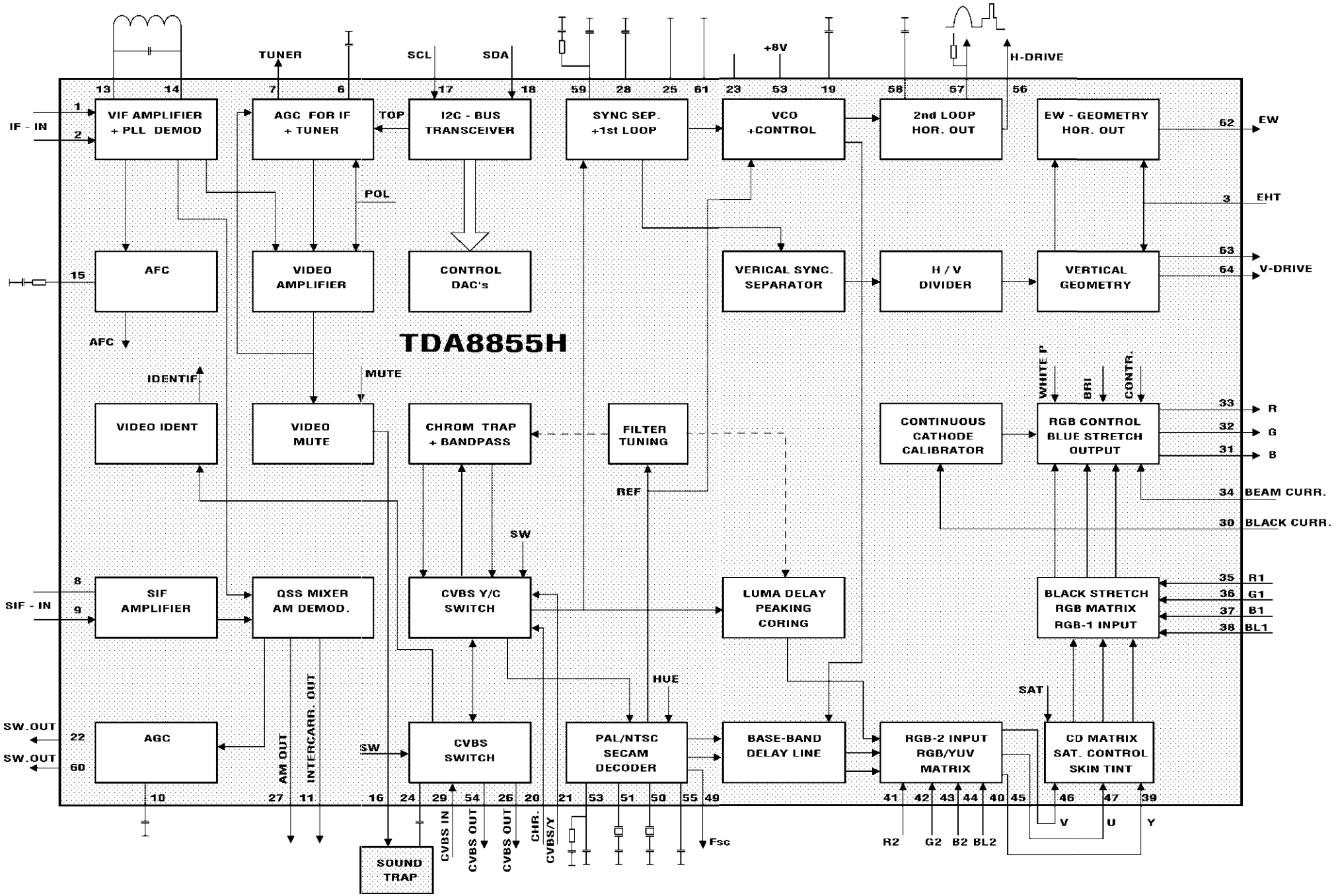




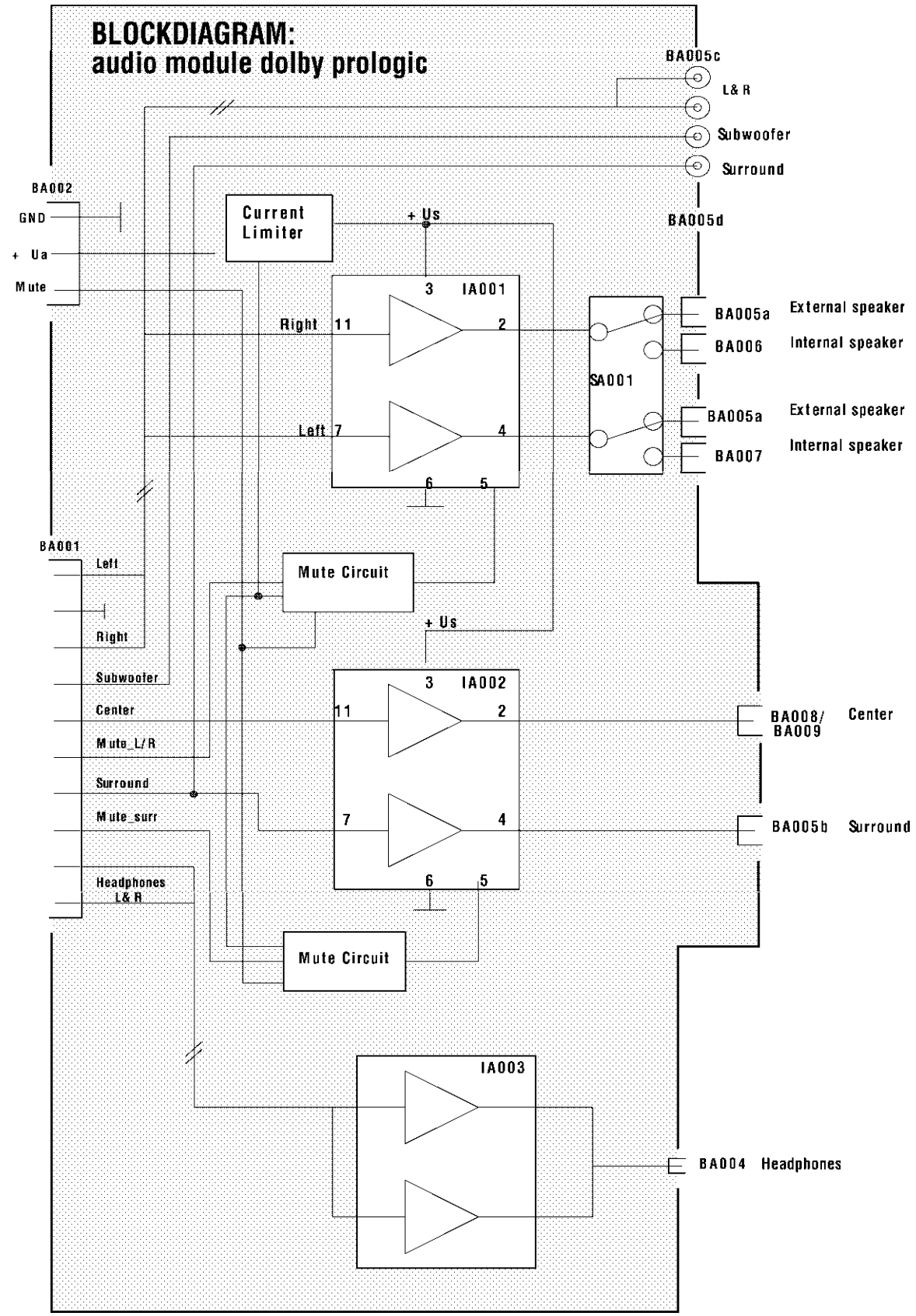
Detection part of the MSP 3410



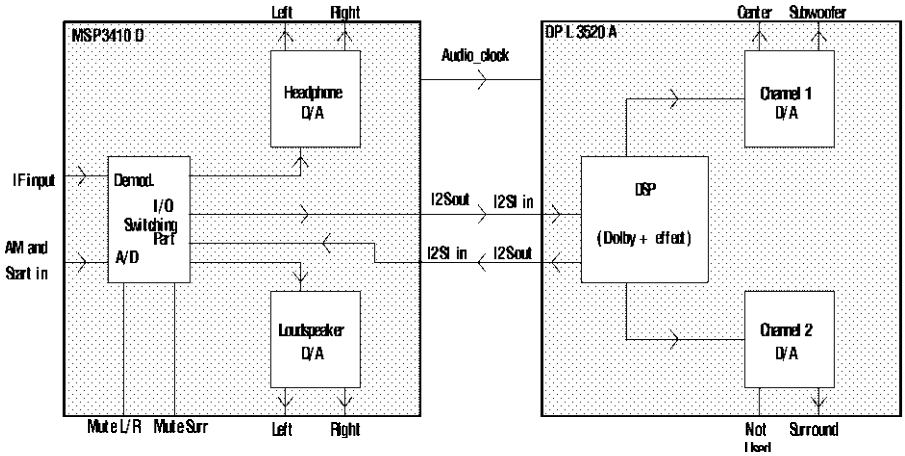
IV01 TDA 8855H



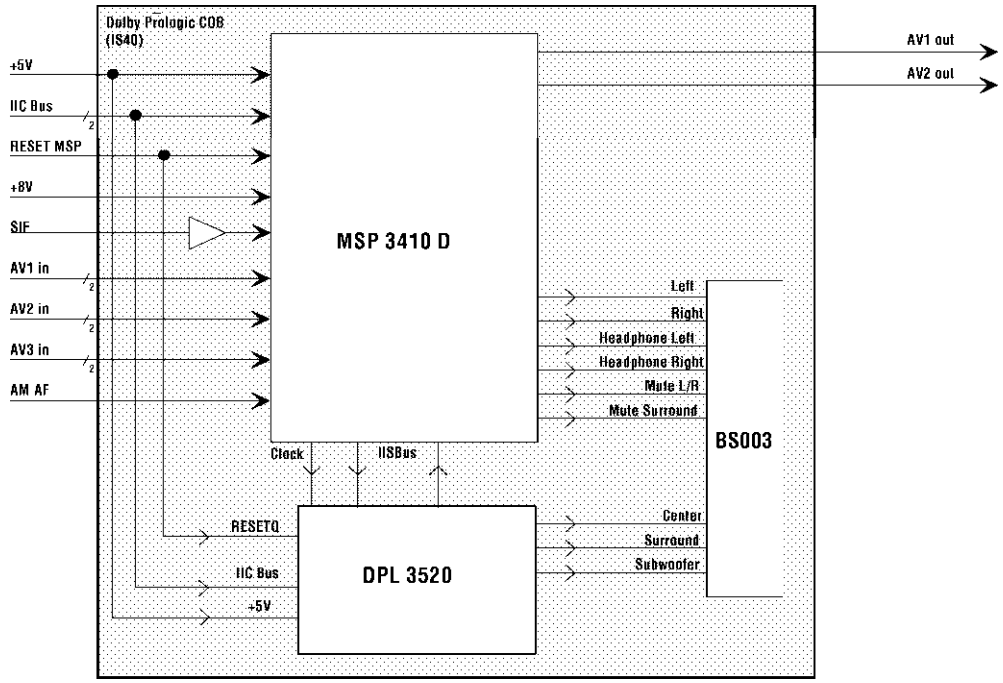
BLOCK DIAGRAM (AUDIO MODULE DOLBY PROLOGIC)
SCHEMA SYNOPTIQUE (AUDIO MODULE DOLBY PROLOGIC)
BLOCKSCHALTBILD (AUDIO MODULE DOLBY PROLOGIC)
SCHEMA A BLOCCI (AUDIO MODULE DOLBY PROLOGIC)
ESQUEMA DE BLOQUES (AUDIO MODULE DOLBY PROLOGIC)



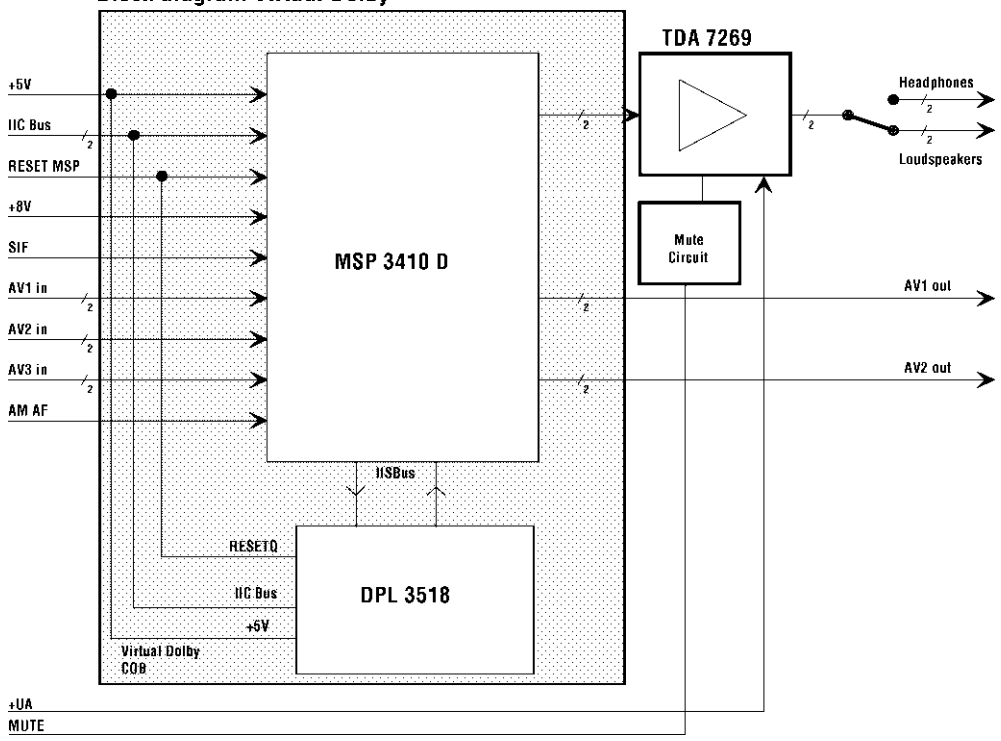
Interface requirement audio part with Dolby Prologic



Block diagram Dolby Prologic



Block diagram Virtual Dolby



SISTEMA DE LOS CÓDIGOS DE REPARACIÓN EACEM-IRIS

TABLA DE LOS CÓDIGOS DE SÍNTOMA

EACEM IRIS

CÓDIGO DE CONDICIÓN — CÓDIGO DE SÍNTOMA PRINCIPAL — → CÓDIGO DE SÍNTOMA EXTENDIDO (*1)

Código de condición	
1	CONSTANTE
2	INTERMITENTE
3	DESPUÉS DE ALGÚN TIEMPO
4	CALIENTE
5	FRÍO
6	DURANTE LA CONEXIÓN
7	BAJO VIBRACIÓN
8	EN AMBIENTE HÚMEDO/MOJADO/LLUVIOSO/NEVADO
9	SECO
A	DESPUÉS DE UNA CAÍDA/DAÑO EN EL TRANSPORTE
B	DESPUÉS DE RELÁMPAGO
C	SOLAMENTE ALGUNAS ESTACIONES/SOFTWARE/MODO/CANALES/BANDA DE FRECUENCIA/RED(ES)
D	SOLAMENTE ALGUNOS ESTÁNDARDS
E	SOLAMENTE UN CANAL
F	SOLAMENTE ALGUNAS ENTRADAS
G	SOLAMENTE ALGUNAS SALIDAS
H	EN MODO STANDBY/OFF
J	EN PUNTO DE EDICIÓN
K	INTERCONECTADO CON OTROS APARATOS
L	CONTAMINACIÓN LÍQUIDA
M	BREVEMENTE DESPUÉS DE LA CONEXIÓN
N	DESPUÉS DE EFECTUAR UNA COPIA
O	BAJO CONDICIONES DE ESFUERZO/ALTA CARGA
P	DESCONECTADO

Columnas: 1 INACTIVO · 2 NIVEL · 3 CALIDAD · 4 RUIDO · 5 INESTABILIDAD · 6 PROBLEMAS FÍSICOS Y DE GRABACIÓN · 7 FUNCIÓN ESPECIAL · 8 OTRAS CONDICIONES

1 GENERAL

Código	Síntoma
110	**PROBLEMA DE ALIMENTACIÓN O NO FUNCIONA**
111	NO HAY ALIMENTACIÓN
112	NO HAY ALIMENTACIÓN CON ADAPTADOR DE CA
113	NO HAY ALIMENTACIÓN CON BATERÍAS SECAS
114	NO HAY ALIMENTACIÓN CON BATERÍAS RECARGABLES
115	NO HAY ALIMENTACIÓN CON BATERÍAS SOLAR
116	NO HAY ALIMENTACIÓN CON BATERÍAS COCHE
117	CORTA DURACIÓN DE FUNCIONAMIENTO/DE BATERÍA
118	NO HAY DESCONEXIÓN
119	NO HAY CONEXIÓN DE STANDBY
11A	SOLAMENTE HAY ALIMENTACIÓN (NO OPERA)
11B	CONEXIÓN/DESCONEXIÓN CÍCLICA
11C	FUSIBLE EXTERNO (PRINCIPAL) FUNDIDO
11D	EL APARATO SE DESCONECTA SOLO
11E	PROBLEMA BATERÍA DE MANTENIMIENTO
11F	NO FUNCIONA
11G	NO HAY CONMUTACIÓN ON/OFF AUTOMÁTICA
11H	SE DISPARA FUSIBLE INTERNO/INTERRUPTOR DE PROTECCIÓN
11J	NO RECONOCE LA BATERÍA RECARGABLE
11X	OTRO PROBLEMA DE ALIMENTACIÓN
120	**PROBLEMA DE CARGA**
121	NO HAY CARGA DE BATERÍA
122	CARGA INCOMPLETA DE BATERÍA
123	TIEMPO DE CARGA MUY LARGO
12X	OTRO PROBLEMA DE CARGA
130	**PROBLEMA DE LA INDICACIÓN**
131	FALLO EN EL INDICADOR
132	FALLO EN LA OPERACIÓN DE LA LÁMPARA/LED
133	FALLO EN LA OPERACIÓN DEL MEDIDOR DE NIVEL
134	FALLO EN LA OPERACIÓN DE LA INDICACIÓN
135	FALLO EN LA INDICACIÓN DE LA SINTONÍA ELECTRÓNICA
136	FALLO EN LA INDICACIÓN DE LA SINTONÍA MECÁNICA
137	FALLO EN LA INDICACIÓN DEL CÓDIGO DE TIEMPO
138	FALLO EN LA INDICACIÓN DE ALARM/ERROR
139	DISPLAY BORROSO/DEMASIADO OSCURO
13A	MENSAJE EN EL DISPLAY INCORRECTO
13B	NO FUNCIONA LUZ INTERNA
13C	"NO INDICACIÓN DE "BEEPS""
13D	NO FUNCIONA LA LUZ DE PRECAUCIÓN
13E	LA LUZ DE PRECAUCIÓN SE ILUMINA
13X	OTRO PROBLEMA DE LA INDICACIÓN
140	**RUIDO ANORMAL**
141	RUIDO DE DESCARGA DEL TUBO CATÓDICO
142	RUIDO DE DESCARGA DEL BLOQUE DE ALTA TENSIÓN
143	MUEBLE RUIDOSO/BANDEJA CRUJIENTE
144	TRANSFORMADOR RUIDOSO/ZUMBIDO
145	COMPONENTE(S) PERTURBADOR(ES)
146	VIBRACIÓN
147	CHASQUIDO
148	RUIDO DE RELOJ
149	CRUJIDO
14A	SILBIDO
14X	OTRO PROBLEMA DE RUIDO ANORMAL
150	**PROBLEMA DEL MANDO A DISTANCIA**
151	INACTIVO MANDO A DISTANCIA
152	OPERACIÓN ERRÓNEA DEL MANDO A DISTANCIA
153	PROBLEMA DE PROGRAMACIÓN/MEMORIZACIÓN FUNCIONES DEL MANDO A DISTANCIA
154	SENSIBILIDAD DÉBIL DEL MANDO A DISTANCIA
15X	OTRO PROBLEMA DEL MANDO A DISTANCIA
160	**DAÑO FÍSICO**
161	PANEL/MUEBLE DEFORMADO/DAÑADO
162	ASA/PINZA DE TRANSPORTE DAÑADA
163	DAÑO DE BOTÓN(ES)/BOTÓN(ES) DE CONTROL/TECLA
164	DAÑO DE TAPA/CUBIERTA
165	DAÑO DE PRECINTO
166	CONECTOR/TERMINAL/ZÓCALO/ENCHUFE DAÑADO
167	DAÑO DE OBJETIVO
168	DAÑO DE CARTUCHO O AGUJA
169	DAÑO DE ANTENA
16A	DAÑO DEL TUBO CATÓDICO/VISOR/INDICADOR LCD
16B	PIEZAS O MATERIAL PERDIDOS
16C	MARCA BORRADA
16D	CIRCUITERÍA QUEMADA/SALE HUMO
16E	DAÑO EN SUPERFICIE EXTERNA (BURBUJEANTE/PELADO/CORROIDO/ARAÑADO)
16F	HUELE
16G	SOPORTE DÉBIL/DETERIORADO
16H	ALTAVOZ DETERIORADO
16J	APARATO MUY CALIENTE/COMPONENTE FUNDIDO
16K	SUSTANCIA EXTRAÑA DENTRO DEL APARATO
16L	MARCAS DE ARDER
16M	SUPERFICIE INTERIOR DAÑADA (BURBUJEANTE/PELADA/CORROIDA/ARAÑADA)
16N	CABLE DE RED DETERIORADO
16P	ACCESORIO DETERIORADO
16R	DESCOLORACIÓN
16X	OTRO PROBLEMA DE DAÑO FÍSICO
170	**PROBLEMA DE LA FUNCIÓN GENERAL**
171	FALLO DE LA FUNCIÓN DE RELOJ
172	FALLO DE LA FUNCIÓN DE ADORMECER
173	FALLO DE LA PROGRAMACIÓN DEL TEMPORIZADOR
174	FALLO DE LA GRABACIÓN POR TEMPORIZADOR
175	PROBLEMA DE AJUSTA DEL USUARIO/PROGRAMACIÓN
176	FALLO EN LA OPERACIÓN DE PAUSA
177	FALLO EN LA OPERACIÓN DE LA REPRODUCCIÓN PROGRAMADA
178	FALLO EN LA FUNCIÓN DE MEMORIA
179	FALLO EN LA CONMUTACIÓN DE ENTRADA
17A	FALLO EN LA CONMUTACIÓN DE SALIDA
17B	DESCARGA ELÉCTRICA/DESCARGA ESTÁTICA
17C	"FALLO FUNCIÓN DE BÚSQUEDA (INDEX/VIEW/TÍTULO/CAPÍTULO/PISTA ...)"
17D	LENGUAJE EQUIVOCADO/TIPO DE CARACTERES
17E	APARECE CÓDIGO DE ERROR EN EL INDICADOR
17F	INTERRUPTOR NO FUNCIONA
17G	PEDAL NO FUNCIONA
17H	"FALLO EN EL MODO STANDBY"
17J	FALLO EN EL MODO DE BAJO CONSUMO
17K	SEÑAL DE PRECAUCIÓN NO AUDIBLE
17L	FALLO EN EL MODO DE BLOQUEO/FUNCIÓN KEY LOCK
17M	FALLO EN EL MODO DE CONMUTACIÓN
17N	PROBLEMA EN EL MENÚ DE FUNCIONES
17X	OTRO PROBLEMA DE LA FUNCIÓN GENERAL
180	**CONDICIÓN/ACCIÓN ESPECIAL**
181	PRUEBA Y CONTROL
182	REVISIÓN
183	CONVERSIÓN DE FRECUENCIA/SISTEMA
184	PUESTA EN MARCHA/INSTALACIÓN NECESARIA
185	MODIFICACIÓN/CAMBIO DE CIRCUITO O DE INSTALACIÓN
186	EQUIPAMIENTO INCORRECTO EN EL EMBALAJE
187	ACCESORIO EXTRAVIADO
188	IMPOSIBLE CONECTAR ELEMENTOS/ENSAMBLAR
189	COLOR DEFECTUOSO
18B	PROBLEMA DE MONTAJE DE LA BATERÍA
18X	SÍNTOMA DESCONOCIDO
18Z	SÍNTOMA NO OBTENIBLE

2 COMUNICACIÓN

Código	Síntoma
210	**NO HAY RECEPCIÓN O CONEXIÓN**
211	NO HAY RECEPCIÓN AM
212	NO HAY RECEPCIÓN FM
213	NO HAY RECEPCIÓN SW
214	NO HAY RECEPCIÓN VHF
215	NO HAY RECEPCIÓN UHF
216	NO HAY RECEPCIÓN SHF
217	NO HAY RECEPCIÓN CS
218	NO HAY RECEPCIÓN HDTV
219	NO HAY RECEPCIÓN GPS/DPS
21A	NO HAY RECEPCIÓN DE LAS SEÑALES DIGITALES
21B	NO HAY RECEPCIÓN IR
21C	NO HAY SINTONÍA CON EL DIAL
21D	NO HAY CONEXIÓN MODEM/FAX
21E	MODEM NO CONTESTA/NO HAY PORTADORA
21F	NO HAY CONEXIÓN MODEM/FAX
21X	OTRO PROBLEMA DE NO HAY RECEPCIÓN
220	**NIVEL DE RECEPCIÓN O CONEXIÓN DÉBIL**
221	RECEPCIÓN AM DÉBIL
222	RECEPCIÓN FM DÉBIL
223	RECEPCIÓN SW DÉBIL
224	RECEPCIÓN VHF DÉBIL
225	RECEPCIÓN UHF DÉBIL
226	RECEPCIÓN SHF DÉBIL
227	RECEPCIÓN POBRE CS
228	RECEPCIÓN POBRE HDTV
229	RECEPCIÓN POBRE GPS/DPS
22A	RECEPCIÓN POBRE DE EMISIÓN DIGITAL
22B	RECEPCIÓN POBRE IR
22X	OTRO PROBLEMA DEL NIVEL DE RECEPCIÓN DÉBIL
230	**PROBLEMA DE TRANSMISIÓN/CONEXIÓN**
231	NO HAY TRANSMISIÓN/CONEXIÓN
232	TRANSMISIÓN/CONEXIÓN DÉBIL
233	NIVEL DE TRANSMISIÓN EXCESIVO
234	NO HAY TRANSMISIÓN ENTRE LA UNIDAD DE BASE Y LA UNIDAD PORTÁTIL
235	COMUNICACIÓN DÉBIL ENTRE LA UNIDAD DE BASE Y LA UNIDAD PORTÁTIL
236	NO HAY TRANSMISIÓN IR
237	CONEXIÓN DE UNA CARA
238	MODEM SE CUELGA INMEDIATAMENTE AL CONECTARSE
239	MODEM PIERDE LA LÍNEA DURANTE LA CONEXIÓN
23X	OTRO PROBLEMA DE TRANSMISIÓN/CONEXIÓN
240	**COMUNICACIÓN RUIDOSA**
241	RUIDOS DE LÍNEA
242	OSCILACIÓN
243	INTERFERENCIA ENTRE ESTACIONES
24X	OTRO PROBLEMA DE COMUNICACIÓN RUIDOSA
250	**COMUNICACIÓN INESTABLE**
251	DESVIACIÓN DE SINTONÍA
252	DESVANECIMIENTO
253	LÍNEA INTERMITENTE/LÍNEA SE CORTA
254	CONEXIÓN INESTABLE O NO HAY CONEXIÓN E INDICACIÓN "SEÑAL DÉBIL"
25X	OTRO PROBLEMA DE COMUNICACIÓN INESTABLE
260	**PROBLEMA DE SINTONÍA**
261	PROBLEMA DE SINTONÍA MANUAL
262	PROBLEMA DE SINTONÍA AUTOMÁTICA
263	SINTONÍA ERRÓNEA
264	PROBLEMA DE MEMORIA DE SINTONÍA
26X	OTRO PROBLEMA DE SINTONÍA
270	**PROBLEMA DE LA COMUNICACIÓN ESPECIAL**
271	FALLO EN LA COMPOSICIÓN DEL NÚMERO
272	FALLO EN LA SELECCIÓN DEL CANAL
273	ERROR DEL CONTESTADOR AUTOMÁTICO
274	FALLO EN LA REPRODUCCIÓN DEL MENSAJE
275	FALLO EN LA LLAMADA AUTOMÁTICA/FUNCIÓN DE RELLAMADA
276	FALLO DEL PROCESADO DE LA CONVERSACIÓN
277	NO HAY SEÑAL DE LLAMADA
278	TONO DE LLAMADA RUIDOSO/DÉBIL
279	MODEM SE CUELGA
27A	FAX NO FUNCIONA CORRECTAMENTE
27B	MODEM CREA PROBLEMAS CON EL TELÉFONO
27C	SIN TONO DE LLAMADA DEL MODEM
27X	OTRO PROBLEMA DE LA COMUNICACIÓN ESPECIAL
280	**PROBLEMA DE LA RECEPCIÓN ESPECIAL**
281	FALLO EN LA RECEPCIÓN DE ESTEREO
282	FALLO DEL CANAL PRINCIPAL (A)
283	FALLO DEL CANAL SECUNDARIO (B)/DUAL
284	FALLO EN LA RECEPCIÓN SSS
285	FALLO EN LA OPERACIÓN RDS/VPS/PDC/XDS
286	FALLO EN LA RECEPCIÓN TELETEXTO/SINTONÍA FINA/EPG
287	FALLO EN LA RECEPCIÓN SATELITE/RTTY
288	FALLO EN LA OPERACIÓN FAX
289	MODEM NO ES RECONOCIDO POR EL SISTEMA
28A	FALLO EN INDICADOR DE CARGA DE LLAMADA
28B	FALLO FUNCIONAMIENTO MANOS LIBRES
28C	APARATO BLOQUEADO
28X	OTRO PROBLEMA DE LA RECEPCIÓN ESPECIAL

3 IMAGEN

Código	Síntoma
310	**NO HAY IMAGEN**
311	NO HAY IMAGEN EN EL MODO EE
312	NO HAY IMAGEN EN LA REPRODUCCIÓN
313	NO HAY IMAGEN EN EL VISOR
314	NO HAY IMAGEN/SOLO TRAMA
315	PANTALLA NEGRA
316	SÓLO LÍNEA HORIZONTAL
317	SÓLO LÍNEA VERTICAL
318	NO HAY IMAGEN EN EL LCD
319	NO HAY INDICACIÓN DE 2º MONITOR (U OTRO)
31X	OTRO PROBLEMA DE NO HAY IMAGEN
320	**PROBLEMA DEL NIVEL DE IMAGEN**
321	IMAGEN DEMASIADO OBSCURA
322	IMAGEN DEMASIADO CLARA
323	CONTRASTE DÉBIL
324	CONTRASTE ALTO
325	SATURACIÓN DEL NIVEL DEL BLANCO O DEL NEGRO
326	SOMBRA EN LA IMAGEN
327	SOLO PARTE DE LA IMAGEN
32X	OTRO PROBLEMA DEL NIVEL DE IMAGEN
330	**PROBLEMA DE LA CALIDAD DE IMAGEN**
331	RESOLUCIÓN DÉBIL DE LA IMAGEN
332	ENFOQUE ERRÓNEO
333	OSCILACIÓN TRANSITORIA EN LA IMAGEN
334	BORROSIDAD/RETARDO
335	FALLO DE LINEALIDAD O GEOMETRÍA
336	DIMENSIÓN ERRÓNEA
337	CENTRADO ERRÓNEO DE LA IMAGEN
338	IMAGEN INCLINADA
339	INCORRECTO TAMAÑO V
33A	INCORRECTO TAMAÑO H
33X	OTRO PROBLEMA DE LA CALIDAD DE IMAGEN
340	**IMAGEN RUIDOSA**
341	NIEVE EN LA IMAGEN
342	RUIDO DE PUNTOS/PÉRDIDAS EN LA IMAGEN
343	BARRAS DE RUIDO EN LA IMAGEN
344	LÍNEAS DE BORRADO EN LA IMAGEN
345	BATIDO EN LA IMAGEN
346	HALOS EN LA IMAGEN
347	RUIDO DE CONMUTACIÓN DE CABEZAS EN LA IMAGEN
348	RUIDO DE SOBREMODULACIÓN
349	MOIRE
34A	RUIDO EN MOSAICO
34B	IMAGEN DIFICULTOSA
34X	OTRO PROBLEMA DE IMAGEN RUIDOSA
350	**IMAGEN INESTABLE**
351	PROBLEMA DE SINCRONIZACIÓN
352	SOMBREO DE LA IMAGEN
353	INESTABILIDAD/JITTER DE LA IMAGEN
354	SACUDIDA DE LA IMAGEN (HORIZONTAL O VERTICAL)
355	PARPADEO DE LA IMAGEN
356	CENTELLEO DE LA IMAGEN
357	ATENUACIÓN CÍCLICA DE LA IMAGEN
358	INESTABILIDAD EN LA IMAGEN EN ARRANQUE
359	DISTORSIÓN VCR/ERROR DESPLAZAMIENTO-H
35A	IMAGEN PARADA
35B	SALTO/REPETICIÓN DE IMAGEN
35X	OTRO PROBLEMA DE IMAGEN INESTABLE
360	**MALA GRABACIÓN DE IMAGEN**
361	NO HAY GRABACIÓN DE IMAGEN
362	NO HAY PROTECCIÓN CONTRA BORRADO DE VIDEO
363	NO HAY BORRADO DE LA GRABACIÓN DE VIDEO ANTERIOR
364	BORRADO ACCIDENTAL DE LA IMAGEN
365	NO HAY GRABACIÓN DE CÁMARA
366	GRABACIÓN DE UN SOLO CAMPO
367	GRABA SÓLO UNAS POCAS IMÁGENES
36X	OTRO PROBLEMA DE MALA GRABACIÓN DE IMAGEN
370	**MALA FUNCIÓN ESPECIAL DE IMAGEN**
371	PROBLEMA DE EDICIÓN
372	FALLO DE DESVANECIMIENTO/MEZCLA
373	FALLO DE CONMUTACIÓN NEGATIVA/POSITIVA
374	FALLO DE SOBREIMPOSICIÓN/EFECTOS
375	FALLO DE LA IMAGEN DIGITAL/P-IN-P
376	FALLO EN LA TRANSMISIÓN DE IMAGEN
377	FALLO EN LA FUNCIÓN DE OBTURADOR
378	FALLO EN LA FUNCIÓN DE GENLOCK
379	FALLO EN LA FUNCIÓN DE PARPADEO/ESTROBOSCOPIO
37A	FALLO EN IMAGEN DIGITAL/FUNCIÓN DE ZOOM
37B	FALLO EN LA FUNCIÓN DE EDICIÓN AUTOMÁTICA
37C	FALLO EN LA FUNCIÓN DEL ESTABILIZADOR DE IMAGEN
37D	FALLO EN LA FUNCIÓN DE CAPTACIÓN DE IMAGEN
37E	FALLO EN LA FUNCIÓN DE SUBTITULADO
37F	FALLO EN LA REPRODUCCIÓN A BAJA VELOCIDAD
37G	FALLO EN CONMUTACIÓN VIEW/MULTI-ANGLE
37H	FALLO EN CONMUTACIÓN RATIO DE ASPECTO
37J	PROBLEMA EN EL INDICE DE PANTALLA O EN EL SEÑALADOR
37K	SIN BORRADO DE PANTALLA
37X	OTRO PROBLEMA DE MALA FUNCIÓN ESPECIAL DE IMAGEN
380	**PROBLEMA DE VISUALIZACIÓN/TUBO DE IMAGEN**
381	QUEMADO EN VISUALIZACIÓN/TUBO DE IMAGEN
382	RASGUÑO EN VISUALIZACIÓN/TUBO DE IMAGEN
383	POLVO EN VISUALIZACIÓN/TUBO DE IMAGEN
384	FALTA PUNTO FOSFORESCENTE/PIXEL EN VISUALIZACIÓN/TUBO DE IMAGEN
385	PUNTO(S) BRILLANTE(S) EN FÓSFORO/PIXEL
386	LÍNEAS TRANSVERSALES
387	DEFECTOS DE PIXELS FUERA DE ESPECIFICACIONES
388	FONDO BORROSO
38X	OTRO PROBLEMA DE VISUALIZACIÓN/TUBO DE IMAGEN

4 COLOR

Código	Síntoma
410	**NO HAY COLOR**
411	NO HAY COLOR EN EL MODO EE
412	NO HAY COLOR EN LA REPRODUCCIÓN
413	NO HAY COLOR EN EL VISOR
414	NO HAY COLOR EN PARTE DE LA IMAGEN
41X	OTRO PROBLEMA DE NO HAY COLOR
420	**PROBLEMA DEL NIVEL DE COLOR**
421	COLOR DÉBIL
422	COLOR EXCESIVO/SATURADO
42X	OTRO PROBLEMA DEL NIVEL DE COLOR
430	**PROBLEMA DE LA CALIDAD DE COLOR**
431	PÉRDIDA DE UNO O DOS COLORES
432	FALLO DEL BALANCE DE BLANCO
433	PROBLEMA DEL MATIZ
434	ERROR DE PUREZA
435	ERROR DE PUREZA/BLANCO UNIFORME
436	ERROR DE CONVERGENCIA
437	REGISTRO DE COLOR ERRÓNEO
438	MOARÉ EN LA IMAGEN/PATRÓN DE ARCO IRIS
439	DESPLAZAMIENTO DEL COLOR
43X	OTRO PROBLEMA DE LA CALIDAD DE COLOR
440	**COLOR RUIDOSO**
441	COLOR RUIDOSO EN BLANCO Y NEGRO
442	RAYAS DE COLOR
443	BARRAS DE COLOR EN PANTALLA
44X	OTRO PROBLEMA DE COLOR RUIDOSO
450	**COLOR INESTABLE**
451	CENTELLEO DE COLOR
452	CAMBIO DE MATIZ CONSTANTE
453	PARPADEO DE COLOR
454	NO HAY ENGANCHE DE COLOR
45X	OTRO PROBLEMA DE COLOR INESTABLE
460	**MALA GRABACIÓN DE COLOR**
461	NO HAY GRABACIÓN DE COLOR/GRABACIÓN SIN COLOR
462	GRABACIÓN DE COLOR CON RUIDO
46X	OTRO PROBLEMA DE MALA GRABACIÓN DE COLOR
470	**MALA FUNCIÓN ESPECIAL DE COLOR**
471	FALLO EN EL BALANCE AUTOMÁTICO DEL BLANCO
472	FALLO EN LOS EFECTOS DE COLOR
47X	OTRO PROBLEMA DE MALA FUNCIÓN ESPECIAL DE COLOR
480	

5 SONIDO

Código	Síntoma
510	**NO HAY SONIDO**
511	NO HAY SONIDO EN EL MODO EE
512	NO HAY REPRODUCCIÓN DE LOS MENSAJES TELEFÓNICOS
513	NO HAY REPRODUCCIÓN DE LOS MENSAJES RECIBIDOS
514	NO HAY REPRODUCCIÓN DE SONIDO
515	NO HAY SONIDO EN EL MICROTELÉFONO
516	NO HAY SONIDO EN EL ALTAVOZ
517	NO HAY SONIDO EN EL AURICULAR
518	NO HAY SONIDO EN EL MICRÓFONO
519	NO HAY SONIDO EN LA SALIDA DIGITAL
51X	OTRO PROBLEMA DE NO HAY SONIDO
520	**PROBLEMA DEL NIVEL DE SONIDO**
521	NIVEL DÉBIL DEL SONIDO
522	NIVEL EXCESIVO DEL SONIDO
523	PROBLEMA DE BALANCE
524	PROBLEMA DE DESVANECIMIENTO
525	PERMANENCIA DEL NIVEL DE AUDIO/NO HAY MUTING
52X	OTRO PROBLEMA DEL NIVEL DE SONIDO
530	**PROBLEMA DE LA CALIDAD DE SONIDO**
531	RESPUESTA DE FRECUENCIA DÉBIL
532	DISTORSIÓN DEL SONIDO
533	NO HAY AGUDOS
534	NO HAY GRAVES
535	DÉBIL SONIDO EN EL AURICULAR
53X	OTRO PROBLEMA DE LA CALIDAD DE SONIDO
540	**SONIDO RUIDOSO**
541	ZUMBIDO
542	SILBIDO
543	DIAFONÍA
544	ESTÁTICO/POP/CHASQUIDO
545	ZUMBIDO
546	RUIDO DE POTENCIÓMETRO
547	RUIDO DE ENCENDIDO
548	RUIDO SUBANTE/MULTIPISTA
549	RUIDO EN DATOS DIGITALES
54X	OTRO PROBLEMA DE SONIDO RUIDOSO
550	**SONIDO INESTABLE**
551	SALTO O REPETICIÓN DEL SONIDO
552	BOMBEO O FLUCTUACIÓN DEL SONIDO
553	INTERRUPCIÓN DEL SONIDO
554	MUTING O CLICK DEL SONIDO
555	LLORO Y ULULEO
556	REALIMENTACIÓN ACÚSTICA
557	ECO EN SONIDO
55X	OTRO PROBLEMA DE SONIDO INESTABLE
560	**MALA GRABACIÓN DEL SONIDO**
561	NO HAY GRABACIÓN DEL SONIDO
562	NO HAY PREVENCIÓN CONTRA BORRADO DEL SONIDO
563	NO HAY BORRADO DE LA GRABACIÓN DE AUDIO ANTERIOR
564	BORRADO ACCIDENTAL DEL SONIDO
565	NO HAY GRABACIÓN DEL MENSAJE
566	GRABACIÓN DE SONIDO DISTORSIONADA
56X	OTRO PROBLEMA DE MALA GRABACIÓN DEL SONIDO
570	**MALA FUNCIÓN ESPECIAL DE AUDIO**
571	FALLO EN LA OPERACIÓN DE DESVANECIMIENTO
572	FALLO EN LA OPERACIÓN DE ECO
573	FALLO EN LA OPERACIÓN DE MEZCLA
574	FALLO EN LA OPERACIÓN DE MODO DE REPETICIÓN
575	FALLO EN LA OPERACIÓN DE PROCESADO DEL SONIDO
576	FALLO EN LA OPERACIÓN DE GRABACIÓN SINCRONIZADA
577	FALLO EN LA OPERACIÓN DE DBB/DCL
578	FALLO EN LA OPERACIÓN DE LA REDUCCIÓN DEL RUIDO
579	FALLO EN LA FUNCIÓN DE DOBLAJE DEL SONIDO
57A	FALLO EN EL TÍTULO DEL PROGRAMA
57B	FALLO EN CONTROL DEL MICRÓFONO
57C	FALLO EN CONTROL DE VELOCIDAD
57X	OTRO PROBLEMA DE MALA FUNCIÓN ESPECIAL DE AUDIO
580	**PROBLEMA DE LA OPERACIÓN ESTEREO/MULTI**
581	NO HAY ESTEREO
582	MALA SEPARACIÓN DE CANALES
583	DIFERENCIA DE FASE ENTRE CANALES
584	PROBLEMA CON EL MODO SURROUND
585	PROBLEMA CON EL MODO PCM
58X	OTRO PROBLEMA DE LA OPERACIÓN ESTEREO/MULTI

6 MECÁNICA

Código	Síntoma
610	**NO HAY FUNCIONAMIENTO MECÁNICO**
611	NO HAY GIRO DEL DISCO/MOTOR
612	NO HAY FWD
613	NO HAY REVERSE
614	NO HAY FF O REW
615	NO HAY CARGA
616	NO HAY EXPULSIÓN O DESCARGA
617	NO HAY PARO AUTOMÁTICO
618	NO HAY MOVIMIENTO DEL BRAZO
619	NO HAY EXPULSIÓN DEL DISCO
61A	CARGA/DESCARGA DEL CARGADOR O MÓDULO
61B	NO FUNCIONA INTERRUPTOR/CONTROL
61X	OTRO PROBLEMA DE NO HAY FUNCIONAMIENTO MECÁNICO
620	**OPERACIÓN MECÁNICA IRREGULAR**
621	ROTACIÓN IRREGULAR
622	FWD IRREGULAR
623	REVERSE IRREGULAR
624	FF O REW IRREGULAR
625	CARGA IRREGULAR DEL SISTEMA
626	EXPULSIÓN O DESCARGA IRREGULAR
627	PARO AUTOMÁTICO IRREGULAR
628	MOVIMIENTO IRREGULAR DEL BRAZO
629	EXPULSIÓN IRREGULAR DEL DISCO
62A	CAMBIO IRREGULAR DE LA DIRECCIÓN
62B	FALLO EN LA OPERACIÓN DE CAMBIO DE DISCO
62X	OTRO PROBLEMA DE OPERACIÓN MECÁNICA IRREGULAR
630	**PROBLEMA DE VELOCIDAD**
631	DEMASIADO RÁPIDO
632	DEMASIADO LENTO
633	VELOCIDAD INAJUSTABLE
63X	OTRO PROBLEMA DE VELOCIDAD
640	**RUIDO MECÁNICO**
641	RUIDO DE ROTACIÓN/TAMBOR
642	RUIDO DE MOTOR
643	RUIDO DE VIENTO/AIRE
644	CHILLIDO
645	RUIDO DE VENTILADOR
646	ROZAMIENTO DE DISCO
647	RUIDO DE CARGA DE CINTA
648	RUIDO DE ENGRANAJE
649	RUIDO DE CONMUTACIÓN O DE CONTROL
64A	RECHINAR
64B	RETUMBAR
64C	RUIDO VIBRANTE
64X	OTRO PROBLEMA DE RUIDO MECÁNICO
650	**INESTABILIDAD MECÁNICA**
651	PIES DESIGUALES
652	BISAGRA DEFECTUOSA
653	VIBRA/SALTA
654	PARTES FLOJAS
655	VOLANTE(S) DETERIORADO(S)
65X	OTRO PROBLEMA DE INESTABILIDAD MECÁNICA
660	**DAÑO AL SISTEMA**
661	CINTA DAÑADA
662	DISCO DAÑADO
663	CINTA DEVORADA/ARRUGADA
664	CINTA ENREDADA/CORTADA
665	CINTA RIZADA
666	CINTA FLOJA
667	CINTA ADHERIDA/PEGADA
66X	OTRO PROBLEMA DE DAÑO DEL SOFTWARE
670	**PROBLEMA DE LA OPERACIÓN MECÁNICA**
671	FALLO DE LA OPERACIÓN DE ARRANQUE/PARADA
672	FALLO DE LA OPERACIÓN DE PAUSA
673	FALLO EN LA BÚSQUEDA AUTOMÁTICA DEL PROGRAMA
674	FALLO DEL MODO CUE/REV FW
675	FALLO DE LA OPERACIÓN DE MOVIMIENTO LENTO
676	FALLO DEL MODO DE EXPLORACIÓN RÁPIDA
677	FALLO DE LA FUNCIÓN DE COPIADO A ALTA VELOCIDAD
678	FALLO DE LA OPERACIÓN DE MODO REPETICIÓN
679	FALLO DEL MODO REC REV FW
67A	FALLO FUNCIÓN AMS
67B	MAL FUNCIONAMIENTO DEL AUTO-REVERSE
67C	FALLO EN LA DETECCIÓN DEL FIN DE CINTA
67D	FALLO EN LA CONMUTACIÓN DE LA CARA DEL DISCO (SELECCIÓN A-B)
67X	OTRO PROBLEMA DE LA OPERACIÓN MECÁNICA
680	**PROBLEMA DE OBJETIVO**
681	PROBLEMA DE ENFOQUE
682	PROBLEMA DE ZOOM
683	PROBLEMA DE IRIS
684	PROBLEMA DE MACRO
68X	OTRO PROBLEMA DE OBJETIVO

7 PROCESADO DE DATOS

Código	Síntoma
710	**NO HAY PROCESADO DE DATOS**
711	NO HAY PANTALLA INICIAL
712	NO HAY REINICIACIÓN/RESET DEL SISTEMA
713	NO HAY ARRANQUE DEL SISTEMA
714	MODULO ENCHUFABLE/PERIFÉRICO NO FUNCIONA
715	TECLADO NO FUNCIONA
716	NO FUNCIONA DESDE OTRA ENTRADA/SALIDA
717	NO ALMACENA DATOS
718	NO HAY COMUNICACIÓN DE DATOS
719	MENSAJE ERRÓNEO DEL INDICADOR
71A	ERROR ARRANQUE HDD
71B	ERROR ARRANQUE FDD
71X	OTRO PROBLEMA DE NO HAY PROCESADO DE DATOS
720	**PROCESADO DE DATOS ERRÓNEO**
721	DATOS ERRÓNEOS
722	RESET DE SISTEMA DURANTE FUNCIONAMIENTO
723	INTERRUPCIÓN DEL SISTEMA/CAÍDA/BLOQUEO
724	ERROR DEL MÓDULO ENCHUFABLE
725	FUNCIONAMIENTO ERRÓNEO DEL TECLADO
726	FUNCIONAMIENTO ERRÓNEO DESDE OTRA ENTRADA/SALIDA
727	ALMACENAMIENTO ERRÓNEO DE DATOS
728	COMUNICACIÓN DE DATOS ERRÓNEA
729	ERROR DE MEMORIA
72A	NECESITA "SETUP" EN EL ARRANQUE
72X	OTRO PROBLEMA DE PROCESADO DE DATOS ERRÓNEO
730	**PROBLEMA DE VISUALIZACIÓN DE DATOS**
731	CARACTERES ERRÓNEOS
732	FALTAN CARACTERES EN EL DISPLAY
733	VISUALIZACIÓN DE GRÁFICOS DEFECTUOSA
734	FALLO DE CONMUTACIÓN MODO CARACTERES/GRÁFICAS
735	FALLO DEL CURSOR/PROMPT
736	COLOR ERRÓNEO EN EL DISPLAY
737	NO HAY PAGINACIÓN/SCROLL
73X	OTRO PROBLEMA DE VISUALIZACIÓN DE DATOS
740	**DISPOSITIVO INDICADOR/TECLAS DE CONTACTO**
741	NO FUNCIONA MOUSE/TRACKBALL/JOYSTICK
742	TECLA BLOQUEADA
743	DISPOSITIVO INDICADOR BLOQUEADO
744	TECLA(S) PEGADA(S)
745	TECLA(S) NO OPERATIVA(S)
746	DISPOSITIVO INDICADOR NO SIGUE CORRECTAMENTE
747	DISPOSITIVO INDICADOR VIBRA
748	NO FUNCIONA CONMUTACIÓN DEL BOTÓN DERECHO O IZQUIERDO
749	PISTA DE SEGUIMIENTO DETERIORADA
74A	TECLA(S) DE CONTACTO DETERIORADA(S)
74X	OTRO PROBLEMA DE TECLA/DISPOSITIVO INDICADOR
750	**PROBLEMA PERIFÉRICO (NO ALMACENAJE)**
751	PERIFÉRICO NO ARRANCA
752	FALLO DE LA COMUNICACIÓN CON EL PERIFÉRICO
753	FALLO PERIFÉRICOS INTERNOS
754	FALLO PERIFÉRICOS EXTERNOS
755	ERROR TARJETA DE RED
756	FALLO EN AUTO PRUEBA DE PERIFÉRICO
75X	OTRO PROBLEMA PERIFÉRICO
760	**PROBLEMA DE ALMACENAJE DE DATOS**
761	PROBLEMA DE FORMATEADO
762	PÉRDIDA DE DATOS ALMACENADOS
763	FALLO EN LA MEMORIA DE CUADRO
764	ERRORES DE LECTURA/ESCRITURA
765	PROBLEMA DE DISPOSITIVO ÓPTICO O HARD
766	"PROBLEMA DE CONTROL DEL "FLOPPY""
767	PROBLEMA DE CONTROL CD/DVD-ROM
768	PROBLEMA DE CINTA
769	NO SE MONTARÁ LA EXCITACIÓN/NO SE PUEDE ACCEDER A LA EXCITACIÓN
76A	PROBLEMA DE INTERCAMBIO DE DISCOS
76B	FUNCIONAMIENTO LECTURA/ESCRITURA MUY LENTO
76X	OTRO PROBLEMA DE LECTURA/ESCRITURA DE DATOS
770	**MAL PROCESADO ESPECIAL DE DATOS**
771	FALLO DE AUTO-DIAGNÓSTICO
772	FALLO DE PROCESADO DE TEXTO
773	FALLO DE EDICIÓN GRÁFICA
774	EL PROGRAMA NO PUEDE INSTALARSE
775	NO PUEDE ARRANCARSE EL PROGRAMA PRECARGADO
776	NO PUEDE ARRANCARSE NINGÚN PROGRAMA PRECARGADO
777	ALARMA DE VIRUS
77X	OTRO PROBLEMA DE MAL PROCESADO ESPECIAL DE DATOS
780	**PROBLEMA DE INTERFACE**
781	PROBLEMA DE INTERFACE USB
782	PROBLEMA DE INTERFACE PARALELO
783	PROBLEMA DE INTERFACE SCSI
784	PROBLEMA DE INTERFACE SERIE
785	INCOMPATIBLE CON OTROS SISTEMAS
786	PROBLEMA DE INTERFACE AUDIO/VIDEO
787	PROBLEMA INTERFACE I LINK/FIREWIRE/IEEE1394
78X	OTRO PROBLEMA DE INTERFACE

8 IMPRESIÓN/COPIADO/ESCANEADO

Código	Síntoma
810	**NO HAY OPERACIÓN DE IMPRESIÓN/COPIA/ESCANEO**
811	NO HAY IMPRESIÓN
812	NO HAY COMUNICACIÓN CON LA IMPRESORA
813	NO HAY CARGA DE PAPEL
814	NO HAY ALIMENTACIÓN DE PAPEL
815	NO QUEDA FIJADA LA IMAGEN
816	NO HAY ALIMENTACIÓN DE DOCUMENTO
817	NO TRABAJA EL ESCÁNER
81X	OTRO PROBLEMA DE NO HAY OPERACIÓN DE IMPRESIÓN/COPIA/ESCANEO
820	**FUNCIÓN ERRÓNEA DE IMPRESIÓN/COPIA/ESCANEO**
821	IMAGEN INVERTIDA (NEGATIVO/POSITIVO)
822	ALIMENTACIÓN ERRÓNEA DEL PAPEL
823	CONMUTACIÓN DEL MODO DE IMPRESIÓN ERRÓNEO
824	COPIA DEMASIADO OSCURA
825	COPIA DEMASIADO CLARA
826	COPIA NEGRA
827	COPIA BLANCA
828	NIVELES DE COLOR POBRES
829	ALIMENTACIÓN IRREGULAR DE DOCUMENTO
82A	FALLA FUNCIÓN DE CORRECCIÓN
82B	POBRE CALIDAD DE EXPLORACIÓN
82X	OTRO PROBLEMA DE IMPRESIÓN/COPIA/ESCANEO
830	**MALA CALIDAD DE IMPRESIÓN**
831	POSICIONAMIENTO ERRÓNEO DE LA IMPRESIÓN
832	BAJO CONTRASTE DE LA IMPRESIÓN
833	EXCESIVO CONTRASTE DE LA IMPRESIÓN
834	IMPRESIÓN BORROSA
835	IMPRESIÓN VAGA
836	FALTAN PUNTOS EN LA IMPRESIÓN
837	COLOR A RAYAS
838	NO COLOUR IN PART OF PICTURESIN COLOR EN PARTE DE LA IMAGEN
839	INCOMPLETA IMPRESIÓN IMAGEN/COPIA
83A	FALTA DE AJUSTE
83X	OTRO PROBLEMA DE MALA CALIDAD DE IMPRESIÓN
840	**IMPRESIÓN RUIDOSA**
841	LÍNEAS DE RUIDO
842	IMPRESIÓN SUCIA
843	OLOR DESAGRADABLE (OZONO)
844	TIRAS EN DIRECCIÓN DE LA ALIMENTACIÓN/LÍNEAS NEGRAS
845	TIRAS EN DIRECCIÓN DE LA ALIMENTACIÓN/LÍNEAS BLANCAS
846	TIRAS ATRAVESADAS EN DIRECCIÓN DE ALIMENTACIÓN/LÍNEAS NEGRAS
847	TIRAS ATRAVESADAS EN DIRECCIÓN DE ALIMENTACIÓN/LÍNEAS BLANCAS
84X	OTRO PROBLEMA DE IMPRESIÓN RUIDOSA
850	**FUNCIÓN INESTABLE EN LA IMPRESIÓN**
851	CARGA INESTABLE DEL PAPEL
852	CARGA INESTABLE DE PAPEL MÚLTIPLE
853	MALA ALINEACIÓN DE CARACTERES
85X	OTRO PROBLEMA DE FUNCIÓN INESTABLE EN LA IMPRESIÓN
860	**PROBLEMA DE CINTA/PAPEL**
861	CINTA CORTADA
862	ATASCO DE CINTA
863	CINTA DESCARRILADA
864	PAPEL ADHERIDO AL MECANISMO
865	PAPEL BLOQUEADO
866	SALTOS DE DOCUMENTO
867	MENSAJES DE ERRORES FALTA DE TINTA/TONER
86X	OTRO PROBLEMA DE CINTA/PAPEL
870	
880	**MALA FUNCIÓN DE PÓLIZAS/CARACTERES**
881	CARACTERES O IMAGEN INCORRECTOS
882	TAMAÑO ERRÓNEO DE CARACTERES
883	MALA CARGA DE LAS PÓLIZAS DE CARACTERES
88X	OTRO PROBLEMA DE MALA FUNCIÓN DE PÓLIZAS/CARACTERES

(*1)

CUIDADO

'LOS CÓDIGOS EXTENDIDOS "X" (*-**X) PUEDEN SOLAMENTE UTILIZARSE PARA INDICAR QUE UNA DESCRIPCIÓN APROPIADA DEL SÍNTOMA FALTA EN EL GRUPO'

EACEM - CÓDIGOS DE SECCIÓN

COMÚN	
ANT	SECCIÓN DE LA ANTENA
APR	PROCESADO DE SEÑALES (ANALÓGICO)
BCH	CARGA DE BATERÍA
CLK	SECCIÓN DE RELOJ
CPA	PROCESADO DE COLOR ANALÓGICO
CTR	PANEL DE CONTROL
DPR	PROCESADO DE SEÑALES (DIGITAL)
ERA	CIRCUITO DE BORRADO
FLX	PLACA FLEXIBLE
HFS	SECCIÓN DE ALTA FRECUENCIA
IDS	SECCIÓN DEL DISPLAY DE INFORMACIÓN
IFC	CIRCUITO FI
ILN	SECCIÓN i.LINK (IEEE1394)
INP	SECCIÓN DE ENTRADA DE SEÑALES
IRD	SECCIÓN INFRA-ROJOS (IRDA)
MEM	SECCIÓN DE MEMORIA
OUT	SECCIÓN DE SALIDA DE SEÑALES
PRG	SECCIÓN DE PROGRAMACIÓN
PRT	CIRCUITO DE PROTECCIÓN
PSU	ALIMENTACIÓN
PWA	SECCIÓN DEL AMP DE POTENCIA
REM	SECCIÓN DEL CONTROL REMOTO
RFU	AMPLIFICADOR/UNIDAD RF
SFT	SOFTWARE (CINTA/DISCO/ETC.)
SNS	UNIDAD DE DETECCIÓN
SVO	SECCIÓN DE SERVO
SYS	SECCIÓN DEL SISTEMA DE CONTROL
TUN	SECCIÓN DE SINTONIZACIÓN
TXT	PROCESADO DE TEXTOS

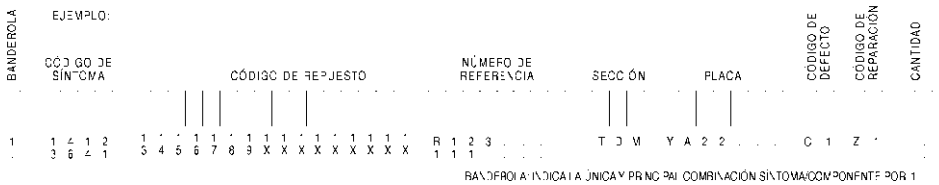
SONIDO	
APA	PROCESADO DE AUDIO ANALÓGICO
APD	PROCESADO DE AUDIO DIGITAL
CDC	SECCIÓN CAMBIADOR CD
CDS	SECCIÓN CD
MDC	SECCIÓN CAMBIADOR MD
MDS	SECCIÓN MINIDISC
MIC	SECCIÓN DE MICRÓFONO
PUD	DISPOSITIVO CAPTADOR
SHD	CABEZAS FIJAS
SPK	ALTAVOZ

IMAGEN	
CAM	CIRCUITO CÁMARA
CPD	PROCESADO DE COLOR DIGITAL
CRT	TUBO DE IMAGEN
DFL	CIRCUITO DE DEFLEXIÓN
DVD	SECCIÓN DVD
FPK	CONJUNTO DE ENFOQUE
IMG	UNIDAD DE VISUALIZACIÓN DE IMÁGENES

IMAGEN	
LCD	SECCIÓN LCD
LMP	SECCIÓN FLASH/LÁMPARA
VPA	PROCESADO DE VIDEO ANALÓGICO
VPD	PROCESADO DE VIDEO DIGITAL
VWF	VISOR

PC	
FDD	EXCITADOR DEL FLOPPY DISC
FMW	PROGRAMACIÓN FIJA
HDD	EXCITADOR DEL DISCO DURO
ISA	SECCIÓN ISA
JST	JOYSTICK
KBD	TECLADO
MDM	SECCIÓN MODEM
NIF	RED DE INTERCONEXIÓN
PAR	PUERTA PARALELO
PCC	TARJETA PC
PCI	SECCIÓN PCI
SCS	PUERTA SCSI
SER	PUERTA SERIE
USB	PUERTA USB

MECÁNICO	
ARM	MECANISMO DEL BRAZO
BZL	BEZEL (MUEBLE FRONTAL)
CBT	MUEBLE
CHA	CHASIS
DDM	SECCIÓN DE ACCIONAMIENTO DEL DISCO
EXC	CONECTOR EXTERNO
HCM	MECANISMO DE SOPORTE DE LA CABEZA
HOL	SOPORTE DE CASSETTE
INC	CONECTOR INTERNO
LDG	MECANISMO DE CARGA
LNM	MECANISMO DE LENTE
PFM	MECANISMO DE ALIMENTACIÓN DEL PAPEL
PIN	RODILLO/PALANCA DE APRIETE
PRI	BLOQUE DE IMPRESOR
RFM	MECANISMO DE ALIMENTACIÓN DE LA CINTA
RHD	CABEZAS ROTATIVAS
SLD	MECANISMO DE SEGUIMIENTO
SRS	SECCIÓN DEL CARRETE DE SUMINISTRO
STA	BLOQUE ESTÁTICO
TDM	MECANISMO DE ACCIONAMIENTO DE LA CINTA
THR	MECANISMO DE ENHEBRADO
TNR	REGULADOR DE LA TENSIÓN DE LA CINTA
TPT	CAMINO DE LA CINTA
TRS	SECCIÓN DEL CARRETE DE RECOGIDA
WIR	CABLE
XXX	PIEZAS ESTÉTICAS



CÓDIGOS DE LOS DEFECTOS

MECÁNICO	
A	GASTADO (O DEFECTO MECÁNICO EN GENERAL)
A1	ERROR DE FUNCIONAMIENTO
B	ENSUCIADO/MANCHADO
C	DESAJUSATADO MECÁNICAMENTE
D	CORTADO/DEFECTUOSO
E	DESFORMADO
F	ENGANCHADO/BLOQUEADO
G	RAYADO/ABOLLADO/BORDES CORTANTES
H	HENDIDURA/PELADO/CORROIDO/FUNDIDO
I	SEPARADO/SUELTO/RAYADO
J	INESTABILIDAD
K	PÉRDIDA (MECÁNICA)
L	SECO (SIN LUBRIFICANTE)
M	CUERPO EXTRAÑO

ELÉCTRICO	
N	COMPONENTE ELÉCTRICO/MÓDULO DEFECTUOSO
O	QUEMADO/FORMACIÓN DE ARGO/PIXELS QUE FALTAN
P	MAL AJUSTADO ELÉCTRICAMENTE/MAL AJUSTADO
Q	CORTOCIRCUITO
R	CIRCUITO ABIERTO
S	FUGA (ELÉCTRICA)
T	MAL CONTACTO/SOLDADURA
T1	MALA CONEXIÓN A TIERRA
U	CIRCUITO ABIERTO
V	PLACA HENDIDA
W	SOLDADURA SEGA O QUE FALTA
X	SOLDADURA EN PUENTE
Y	MÓDULO/COMPONENTE EQUIVOCADO
Z	MÓDULO/COMPONENTE PERDIDO
1	PROBLEMA DE SOFTWARE
11	PÉRDIDA DE DATO DESDE LA MEMORIA
12	FALLO EN AJUSTE/INSTALACIÓN DE PROGRAMA
13	SOFTWARE DEFECTUOSO O INCOMPLETO
14	PROBLEMA DE AJUSTE DEL SOFTWARE
15	NO IDENTIFICA/VERIFICA EL PRODUCTO O EL USUARIO
2	AGOTADO/EMISIÓN DEBIL
3	NO SE ENCUENTRA PROBLEMA (APARATO DENTRO DE ESPEC.)
4	NO SE ENCUENTRA PROBLEMA - EQUIVOCACIÓN DEL USUARIO
5	NO SE ENCUENTRA PROBLEMA - CONDICIONES LOCALES
51	FALLO EN LA TENSIÓN PRINCIPAL
6	IMPOSIBLE DIAGNOTICAR FALLO
7	INCORRECTAMENTE CABLEADO/MONTADO
81	CONEXIÓN INCORRECTA DEL EQUIPO
9	MAL USO POR EL USUARIO
93	MODIFICACIÓN NO AUTORIZADA

CÓDIGOS DE REPARACIÓN

A	SUBSTITUCIÓN
B	AJUSTE MECÁNICO
C	AJUSTE ELÉCTRICO
D	RESOLDADURA
D1	REPARACIÓN/RECOLOCAR EN SU SITIO (CONECTOR/TUBO/...)
E	LIMPIEZA
F	ENGRASE
G	COMPONENTES ELÉCTRICOS REPARADOS
H	COMPONENTES MECÁNICOS REPARADOS
I	MODIFICACIÓN SOLICITADA POR EL FABRICANTE
J	DESMONTADO
K	AÑADIDO
L	COMPROBACIÓN FUNCIONAL
M	MEDICIÓN DE ESPECIFICACIÓN
N	MANTENIMIENTO
O	REPULIR
P	SUBSTITUCIÓN PREVENTIVA DE COMPONENTES

Q	ACCIÓN PREVENTIVA SIN SUBSTITUCIÓN DE COMPONENTES
U	EXPLICACIÓN AÑADIDA
V	PRESUPUESTO RECHAZADO
W	PRESUPUESTO CON COMPONENTES
X	PRESUPUESTO SIN COMPONENTES
Y	VUELTO AL CLIENTE SIN REPARACIÓN
Z	CAMBIO DEL APARATO
Z1	CAMBIO DE PRODUCTO (REPARACIÓN MUY CARA)
Z2	CAMBIO DE PRODUCTO (MUCHAS VISITAS/REPARACIONES)
Z3	CAMBIO DE PRODUCTO (REPUESTO NO OBTENIBLE)
Z4	CAMBIO DE PRODUCTO (IMPOSIBLE DE REPARAR)
Z5	CAMBIO DE PRODUCTO (SOLICITADO AL DETALLISTA)
Z6	CAMBIO DE PRODUCTO (SOLICITADO POR EL FABRICANTE)
1	CORRECCIÓN DEL SOFTWARE/REAJUSTE
2	ACTUALIZACIÓN DEL SOFTWARE
3	PRODUCTO ACTUALIZADO (SOBRE PEDIDO)

REV 03 - 2000/02
9-948-441-25

TECHNICAL INFORMATION

Chassis concerned : ICC17 (25"MP & 28"MP)

Symptom/ Problem observed :
Spare Parts List, component part number amendment.

Solution implemented :
To optimize the CRT heater supply voltage for the above mentioned tubes, both LL05(DST) and LB02 (coil) have been changed.

LL05 : Old Part No. 10546610 ---> **New Part No. 10600190**
LB02 : Old Part No. 10477930 ---> **New Part No. 25349470**

Comment :
Both components must be replaced at the same time.

TECHNICAL INFORMATION

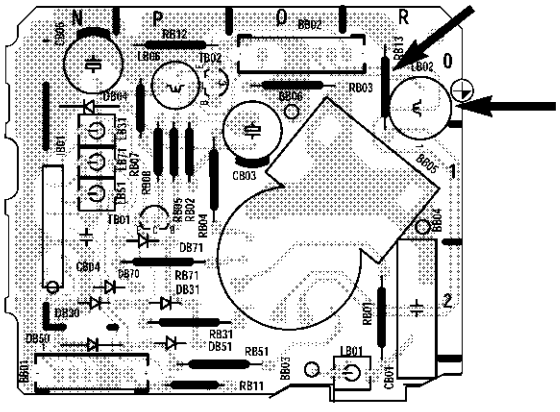
Finished products / Chassis concerned :
All TV sets equiped with ICC17 chassis (CRT Board)

Subject : Protection of transistor TB02 against arcing

Symptom/ Problem observed :
Transistor type number BF422 used in position TB02 found defective.

Cause :
Arcing.

Solution implemented :
- Remove the resistor at location RB13.
- On the copper side of the CRT PCB, add an insulated wire link between pin 1 of inductor LB02 and pin 4 of the CRT socket (ground).



IRIS CODE: the code mentioned below must be used to report this failure on the warranty sheet. It will make your report easier and more reliable

Condition/ Symptom	Part No	Qty	Position	Section	Fault Code	Repair Code
1315			RB13	VPA	Y	T

You do not need to write anything in the white boxes.

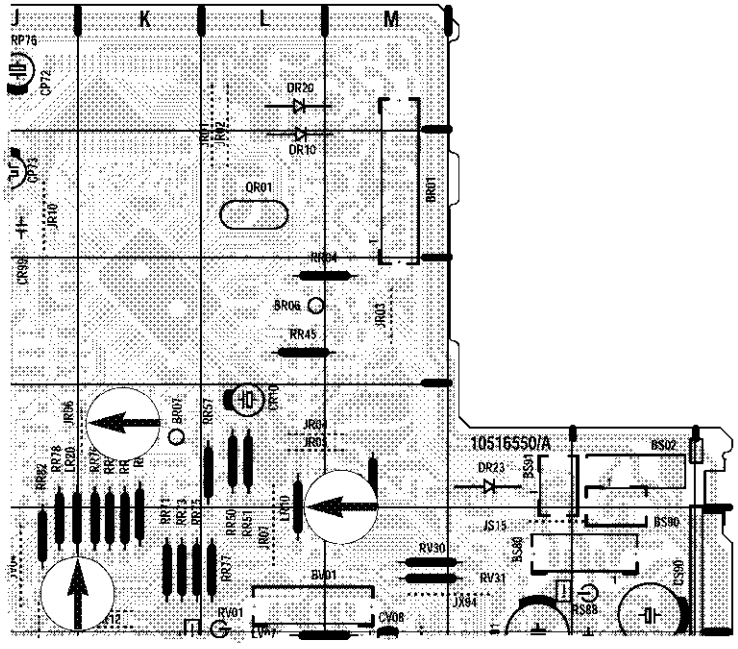
TECHNICAL INFORMATION

Chassis concerned : ICC17

Symptom/ Problem observed :
Moiré patterning visible on some channels.

Cause :
High frequency cross modulation.

Solution implemented
- Remove the jumper link at location JR06.
- Remove the inductor at location LR20.
- Replace LR10 10µH inductor with a jumper link.



TECHNICAL INFORMATION

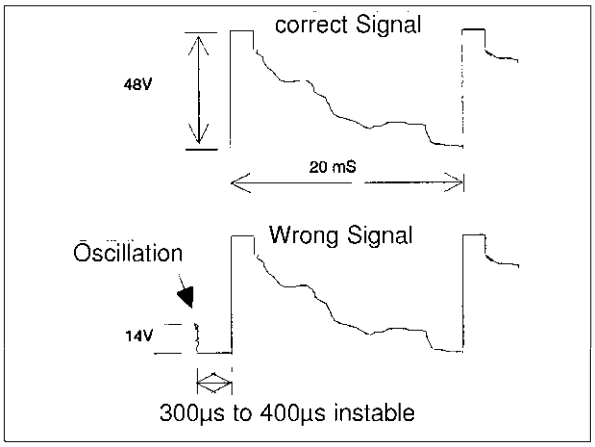
Chassis concerned : ICC17

Problem observed :
Different symptoms can be observed
- TV stuck in the Standby Mode with the safety mode active (code 27).
- Unstable OSD graphics.
- Sporadic or intermittent vertical scan.

Cause :
Parasitic oscillation at pin 7 of IF01 (see attached)

Solution implemented :
The problem is still under investigation to identify the basic cause of the problem, but to initially over come the problem we recommend changing the following components:
- Change RF08 from 4.7Ω or 27Ω to 68Ω5% 0.700w Part No. 15009050.
- Change CF08 from 100nF to 220nF 20% 63V Part No. 43302770.

If problem is still not resolved after changing the above mentioned resistors the replace IF01.



IRIS CODE: the code mentioned below must be used to report this failure on the warranty sheet. It will make your report easier and more reliable

Condition/ Symptom	Part No	Qty	Position	Section	Fault Code	Repair Code
1119	15009050	01	RF08	DFL	Y	A
	43302770	01	CF08	DFL	Y	A

You do not need to write anything in the white boxes.

TECHNICAL INFORMATION

Chassis concerned : ICC17 (with PCB index 02)

Problem observed :
The TV will not come out the Standby Mode.

Cause :
When starting, the base drive current to TP50 is too low.

Solution implemented :
Change the diode in position DP39 (LL4148) to a resistor strap Part No. 41047950.

IRIS CODE: the code mentioned below must be used to report this failure on the warranty sheet. It will make your report easier and more reliable

Condition/ Symptom	Part No	Qty	Position	Section	Fault Code	Repair Code
1119	41047950	01	DP39	PSU	Y	A

You do not need to write anything in the white boxes.

TECHNICAL INFORMATION

Chassis concerned : ICC17

Problem observed :
At switch "ON", the TV's standby power supply does not work.

Cause :
The reverse voltage of the diodes used in positions DP16/17/18/19 (1N4001) is too low especially when the mains voltage is at highest.

Solution implemented :
Change the diodes used in positions DP16/17/18/19 with higher reverse breakdown voltage (400V) type number 1N4004, Part No. 44009009.

IRIS CODE: the code mentioned below must be used to report this failure on the warranty sheet. It will make your report easier and more reliable

Condition/ Symptom	Part No	Qty	Position	Section	Fault Code	Repair Code
1119	4400900909	01	DP16	PSU	Y	A
	4400900909	01	DP17	PSU	Y	A
	4400900909	01	DP18	PSU	Y	A
	4400900909	01	DP19	PSU	Y	A

You do not need to write anything in the white boxes.

TECHNICAL INFORMATION

Chassis concerned : ICC17 (with PCB index 02)

Problem observed : .
East/West correction circuit failure.

Cause :
The transistor used in position TL41 (BD241C) is damaged due to CRT flashover.

Solution implemented :
After replacement TL41, add a RGP10G protection diode in position DL41 in parallel with TL41 (cathode to the collector of TL41 and the anode to ground), Part No. 10459090.

IRIS CODE: the code mentioned below must be used to report this failure on the warranty sheet. It will make your report easier and more reliable

Condition/ Symptom	Part No	Qty	Position	Section	Fault Code	Repair Code
3335	10459090	01	DL41	DFL	Z	K

You do not need to write anything in the white boxes.

TECHNICAL INFORMATION

Chassis concerned : ICC17

Subject : Improvement of the reception with internal antenna

Problem observed :
Moiré patterning, mainly visible on VHF channels.

Cause:
Inference being caused by the switch mode power supplies when using a set top aerial.

Solution implemented :
Change the value of capacitor CP49 from 1.5nF into 3.3nF 20% 1.6KV code 10607950.

Please change the following components in order to change the frequency of operation of the power as follows :
- Capacitor CP16/CP17 from 220nF to a 470nF 20% 275V Part No. 10596570.
- Capacitor CP41 from 10nF 63V to a 10nF 10% 100V Part No. 70427750.
- Resistor RP53 from 5.6kΩ to a 5.1kΩ 5% 0.100W Part No. 30611700.
- Resistor RP56 from 10kΩ to a 2.2kΩ 5% 0.100W Part No. 40077900.

IRIS CODE: the code mentioned below must be used to report this failure on the warranty sheet. It will make your report easier and more reliable

Condition/ Symptom	Part No	Qty	Position	Section	Fault Code	Repair Code
1224	10607950	01	CP49	PSU	Y	A
	10596570	01	CP16	PSU	Y	A
	10596570	01	CP17	PSU	Y	A
	70427750	01	CP41	PSU	Y	A
	30611700	01	RP53	PSU	Y	A
	40077900	01	RP56	PSU	Y	A

You do not need to write anything in the white boxes.

TECHNICAL INFORMATION

Chassis concerned : ICC17

Problem observed :
Visible flash over after quickly switch Off and On again.

Solution implemented :
Change the value of capacitor CI57 from 2.2µF to a 1µF 20% 100V, Part No. 256728.

IRIS CODE: the code mentioned below must be used to report this failure on the warranty sheet. It will make your report easier and more reliable

Condition/ Symptom	Part No	Qty	Position	Section	Fault Code	Repair Code
1321	2567280	01	CI57	APR	Y	A

You do not need to write anything in the white boxes.

GENERAL INFORMATION

METHODOLOGY

1 - ON POWER-UP :

- Observe the behaviour of the two-coloured LED: note the various stages and compare them to the normal cycle.
By doing this, the time at which the problem arose and the part of the circuit which needs to be investigated can be identified.

2 -TROUBLE SHOOTING PROCEDURE: LED BEHAVIOUR

In certain cases the LED will flash when transmitting a message:

LED flashing : message being transmited.

Count the flashes : code is two bursts separated by a pause of 0.7 s and repeated several times.

See the error code table. → **LIST OF LED MESSAGE ERROR CODES**

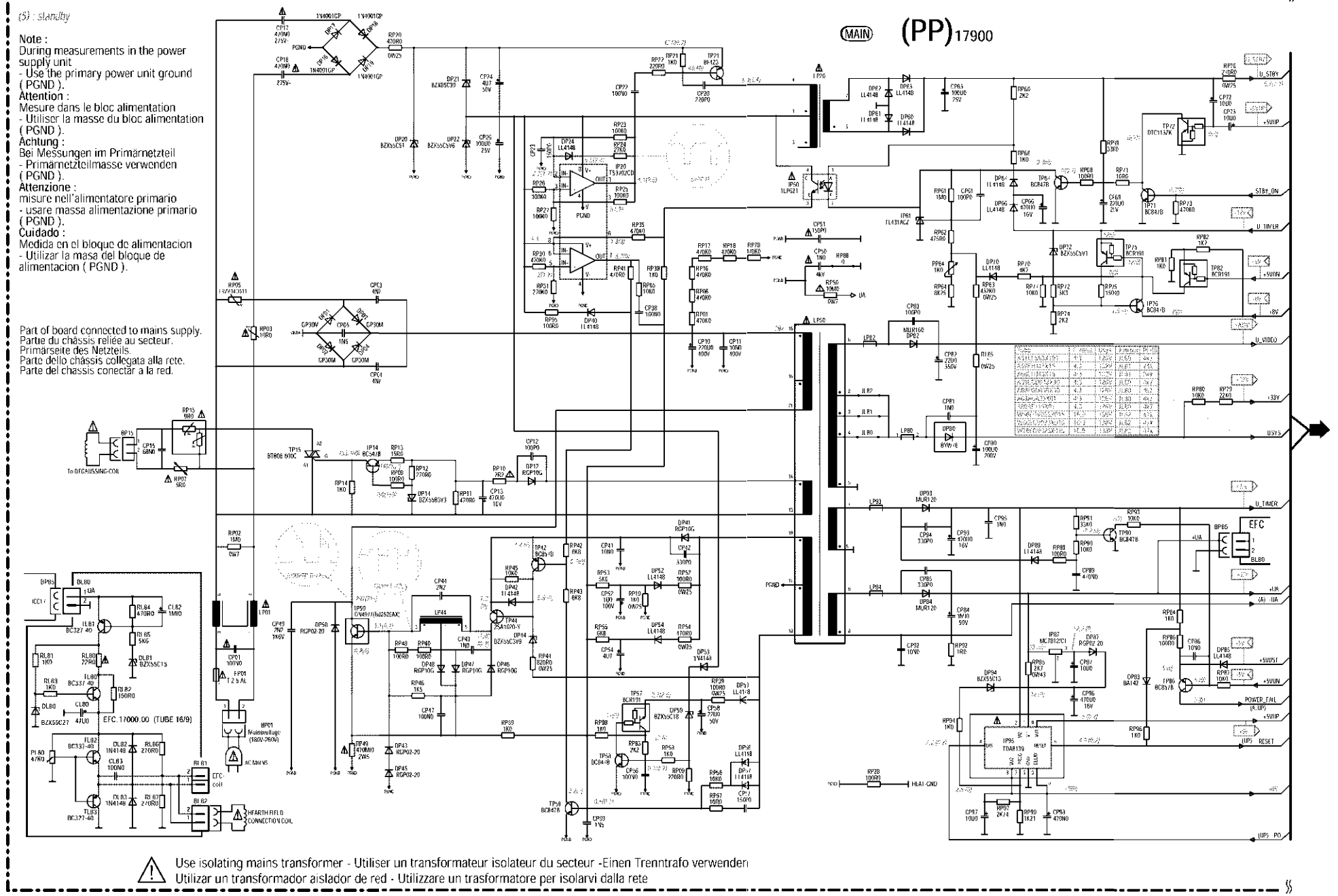
This data is more precise than colour changes but still incomplete, since various causes may generate the same code.

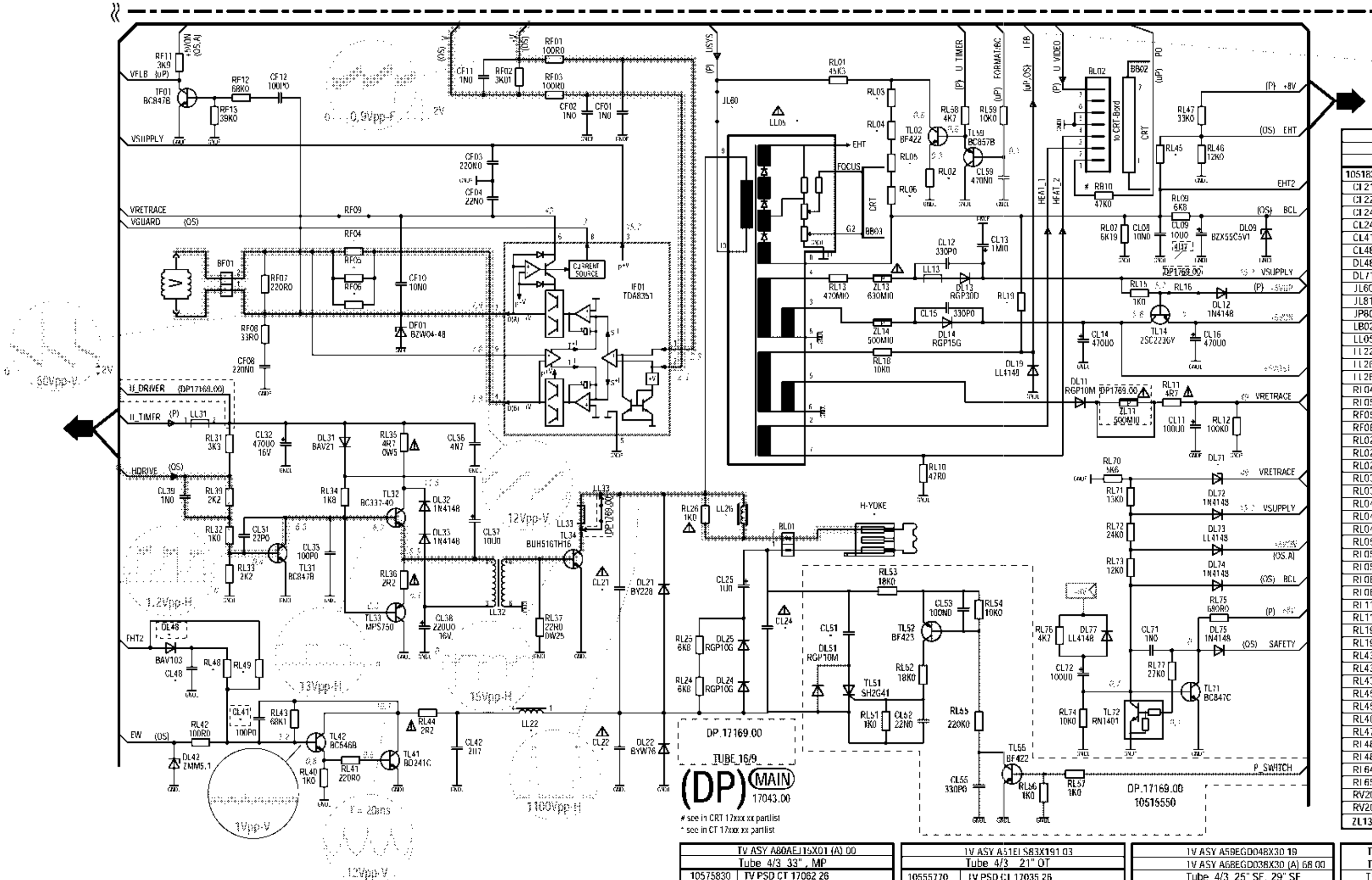
3 - FAULT FINDING :

Carryout of stages 1 and 2: an oscilloscope test may clarify the code transmitted in stage two.

a - The television set operates fully or partially
- Use LED message observation fault finding methods 1 and 2. See also the faults listed relating to fault finding by symptom.

b - The television goes into permanent or cyclical security mode
- Observe LED's behaviour (flashing red, stable orange followed by flashing, etc.).
Select the relevant box in the column (LED behaviour fault finding).


(5) : standby
Note :
During measurements in the power supply unit
- Use the primary power unit ground (PGND).
Attention :
Mesure dans le bloc alimentation
- Utiliser la masse du bloc alimentation (PGND).
Achtung :
Bei Messungen im Primärnetzteil
- Primärnetzteilmasse verwenden (PGND).
Attenzione :
misure nell'alimentatore primario
- usare massa alimentazione primario (PGND).
Cuidado :
Medida en el bloque de alimentacion
- Utilizar la masa del bloque de alimentacion (PGND).
Part of board connected to mains supply.
Partie du châssis reliée au secteur.
Primärseite des Netzteils.
Parte dello chassis collegata alla rete.
Parte del chassis conectar a la red.
MAIN
(PP)17900
EFC.17000.00 (TUBE 16/9)
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



(DP) MAIN 17043.00

see in CRT 17xxx xx partlist
* see in CT 17xxx xx partlist

	TV ASY A59EHJ43X15 00 TV ASY A66EHJ43X15 00 Tube 4/3 25", 28", MP /Vectorgun
10518330	TV PSD CT 17061 32
CL21	14N0F +3.5% -3.5% 1K5V
CL22	30N0F +5% -5% 400.0V
CL24	470N0F +5% -5% 250.0V
CL24	440N0F +5% -5% 250.0V
CL41	100P0F +10% -10% 50.0V
CL48	CPM 10N0F +10% 63.0V
DL48	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55C30 30V 500MI0W
JL60	WIREBARE 22
JL81	0 OHM +0% 100MI0W
JP80	0 OHM +0% 100MI0W
LB02	LF 18U0H -7% -7%
LL05	TF-DST M30FBC3 10546610 3087 A0
LL22	LF 650U0H +5% -5% R 2873 A0 00
LL26	LL 26U5H +10%
LL26	LL 30U5H 2519 A0
RL04	1R21 OHM +1% 700MI0W
RL05	1R0 OHM +1% 700MI0W
RF05	1R21 OHM +1% 700MI0W
RF06	12R1 OHM +1% 100MI0W
RL02	10K0 OHM +5% 100MI0W
RL02	6K04 OHM +1% 100MI0W
RL02	499R0 OHM +1% 100MI0W
RL03	10K0 OHM +1% 100MI0W
RL03	11K5 OHM +1% 100MI0W
RL04	10K0 OHM +1% 100MI0W
RL04	20K0 OHM +1% 100MI0W
RL04	11K5 OHM +1% 100MI0W
RL05	10K0 OHM +1% 100MI0W
RL05	20K0 OHM +1% 100MI0W
RL05	11K5 OHM +1% 100MI0W
RL06	4K75 OHM +1% 100MI0W
RL06	11K5 OHM +1% 100MI0W
RL11	4R7 OHM +10% 250MI0W
RL11	4R7 OHM +5% 250MI0W
RL19	22K0 OHM +5% 100MI0W
RL19	33K0 OHM +5% 100MI0W
RL43	68K1 OHM +1% 250MI0W
RL43	68K1 OHM +1% 250MI0W
RL43	68K1 OHM +1% 100MI0W
RL45	180K0 OHM -5% 100MI0W
RL45	270K0 OHM -5% 100MI0W
RL46	12K0 OHM +5% 100MI0W
RL47	33K0 OHM +5% 100MI0W
RL48	76K8 OHM +1% 100MI0W
RL48	60K4 OHM +1% 100MI0W
RL64	8K25 OHM +1% 100MI0W
RL65	RCL 24K0 OHM +5% 250MI0W
RV20	RMF 33K2 OHM -1% 250MI0W
RV20	33K2 OHM +1% 100MI0W
ZL13	PROTEC MOD MP63 630MI0 A 65.0V

	TV ASY A80AEJ15X01 (A) 00 Tube 4/3 33", MP
10575830	TV PSD CT 17062 26
CL21	16N2F +3.5% -3.5% 1K6V
CL22	30N0F +5% -5% 400.0V
CL24	560N0F +5% -5% 250.0V
CL41	100P0F +10% -10% 50.0V
CL48	10N0F +10% 63.0V
DL48	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55C30 30V 500MI0W
JL60	WIREBARE 22
JL80	0 OHM +0% 100MI0W
LB02	LF 32U0H +4% -4%
LL05	TF-DST TDS29 TBD 11
LL22	LF 650U0H +5% -5% R 2873 A0 00
LL26	LL 26U5H +10%
RF05	1R21 OHM +1% 700MI0W
RF06	10R0 OHM +1% 100MI0W
RL02	6K04 OHM +1% 100MI0W
RL03	4K75 OHM +1% 100MI0W
RL04	4K75 OHM +1% 100MI0W
RL05	4K75 OHM +1% 100MI0W
RL06	6K81 OHM +1% 100MI0W
RL19	13K0 OHM +5% 100MI0W
RL45	150K0 OHM +5% 100MI0W
RL48	76K8 OHM +1% 100MI0W
RL49	560K0 OHM +5% 100MI0W
RL65	RCF 4K7 OHM -5% 250MI0W
RV20	RMF 23K7 OHM -1% 250MI0W

	TV ASY A51ELS83X191 03 Tube 4/3 21" OT
10555770	TV PSD CT 17035 26
CL21	8N3F +3.5% -3.5% 1K6V
CL22	33N0F +5% -5% 1K0V
CL24	440N0F +5% -5% 250.0V
CL41	1N0F +10% -10% 50.0V
DL71	D-ZENER BZX55C24 24V 500MI0W
JL60	WIREBARE 22
JL80	0 OHM -0% 100MI0W
LB02	LF 18U0H +7% -7%
LL05	TF-DST M30FBC3 10555640 3087 A0
LL22	LF 650U0H +5% -5% R 2873 A0 00
LL26	LL 85U0H 2519 A0
RL05	1R5 OHM +1% 700MI0W
RL06	10R0 OHM +1% 100MI0W
RL02	6K04 OHM +1% 100MI0W
RL03	10K0 OHM +1% 100MI0W
RL04	10K0 OHM +1% 100MI0W
RL05	10K0 OHM +1% 100MI0W
RL06	3K32 OHM +1% 100MI0W
RL45	110K0 OHM +5% 100MI0W
RL49	60K4 OHM +1% 100MI0W
RL65	4K7 OHM +5% 250MI0W
RV20	23K7 OHM +1% 250MI0W

	TV ASY A59EGD048X30 19 TV ASY A68EGD038X30 (A) 68 00 Tube 4/3 25" SF, 29" SF
10515520	TV PSD CT 17071 26
CL21	16N2F -3.5% -3.5% 1K6V
CL22	30N0F -5% -5% 400.0V
CL24	510N0F -5% -5% 250.0V
CL41	100P0F +10% -10% 50.0V
CL48	10N0F -10% 63.0V
DL48	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55C30 30V 500MI0W
JL60	WIREBARE 22
JL80	0 OHM +0% 100MI0W
LB02	LF 32U0H +4% -4%
LL05	TF-DST TDS29 TBD 13
LL22	LF 650U0H +5% -5%
LL26	LL 26U5H +10%
RF05	RMI 1R0 OHM +1% 700MI0W
RL02	6K8 OHM +5% 100MI0W
RL03	4K75 OHM +1% 100MI0W
RL04	4K75 OHM +1% 100MI0W
RL05	4K75 OHM +1% 100MI0W
RL06	4K75 OHM +1% 100MI0W
RL19	15K0 OHM +5% 100MI0W
RL45	180K0 OHM +5% 100MI0W
RL48	100K0 OHM +5% 100MI0W
RL49	300K0 OHM +5% 100MI0W
RL65	4K7 OHM +5% 250MI0W
RV20	33K2 OHM +1% 250MI0W

	TV ASY W56EGV023X015 56 01 TV ASY W66EGV023X015 66 00 TV ASY W76EGV023X015 (A) 00 Tube 16/9 24", 28", 32", SF / vectorgun
10515530	TV PSD CT 17083 38
CL21	15N5F -3.5% -3.5% 1K6V
CL22	27N0F -5% -5% 400.0V
CL24	440N0F +5% -5% 250.0V
CL41	100P0F +10% -10% 50.0V
CL48	100N0F -5% 63.0V
CL51	290N0F +5% -5% 250.0V
DL48	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55C24 24V 500MI0W
JL60	WIREBARE 22
JL82	0 OHM +0% 100MI0W
LB02	LF 32U0H -4% -4%
LL05	TF-DST TDS29 15314460 10
LL22	LF 650U0H -5% -5%
LL26	LL 30U5H 2519 A0
RF05	1R21 OHM +1% 700MI0W
RL02	4K99 OHM +1% 100MI0W
RL03	6K49 OHM +1% 100MI0W
RL04	6K49 OHM +1% 100MI0W
RL05	6K49 OHM +1% 100MI0W
RL06	2K37 OHM +1% 100MI0W
RL19	13K0 OHM +5% 100MI0W
RL45	390K0 OHM +5% 100MI0W
RL48	220K0 OHM +5% 100MI0W
RL49	180K0 OHM +5% 100MI0W
RL65	47K0 OHM +5% 250MI0W
RV20	100K0 OHM +1% 250MI0W

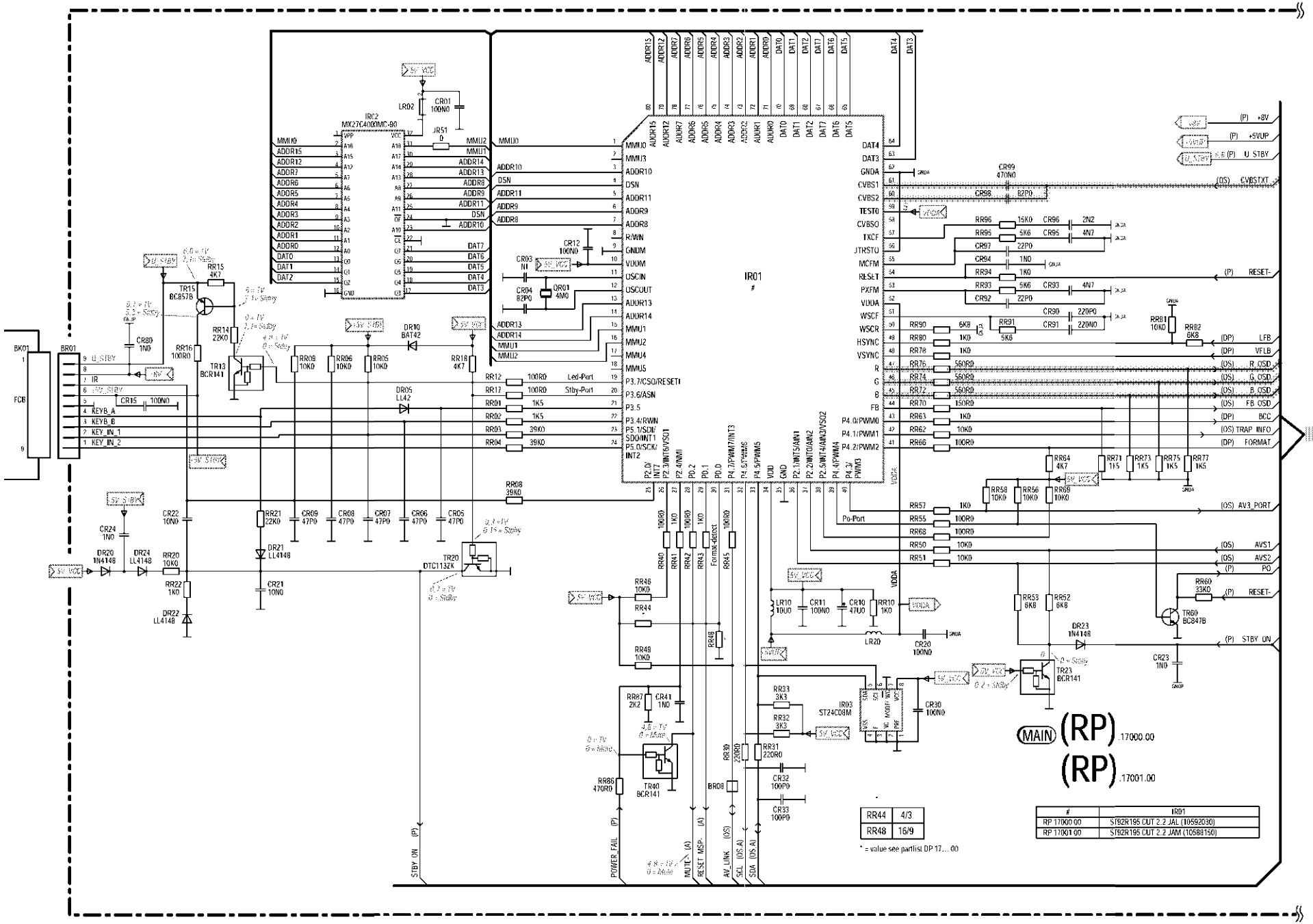
⚠ Indicates critical safety components, and identical components should be used for replacement. Only then can the operational safety be garanteed.

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.

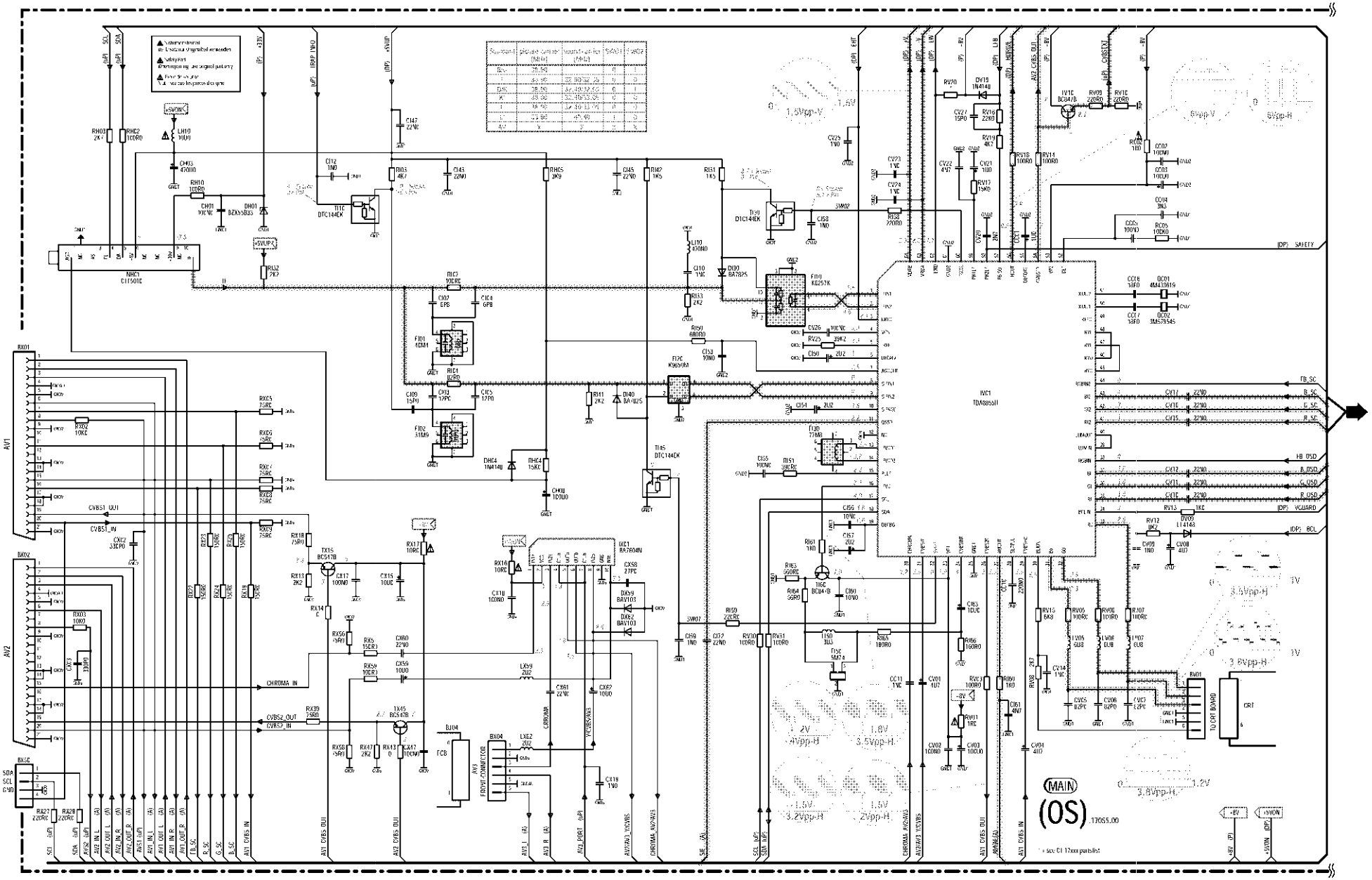
Wenn Sicherheitsteile (mit dem Symbol ⚠ gekennzeichnet) durch nicht normgerechte Teile ersetzt werden, erlischt die Haftung des Herstellers.

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

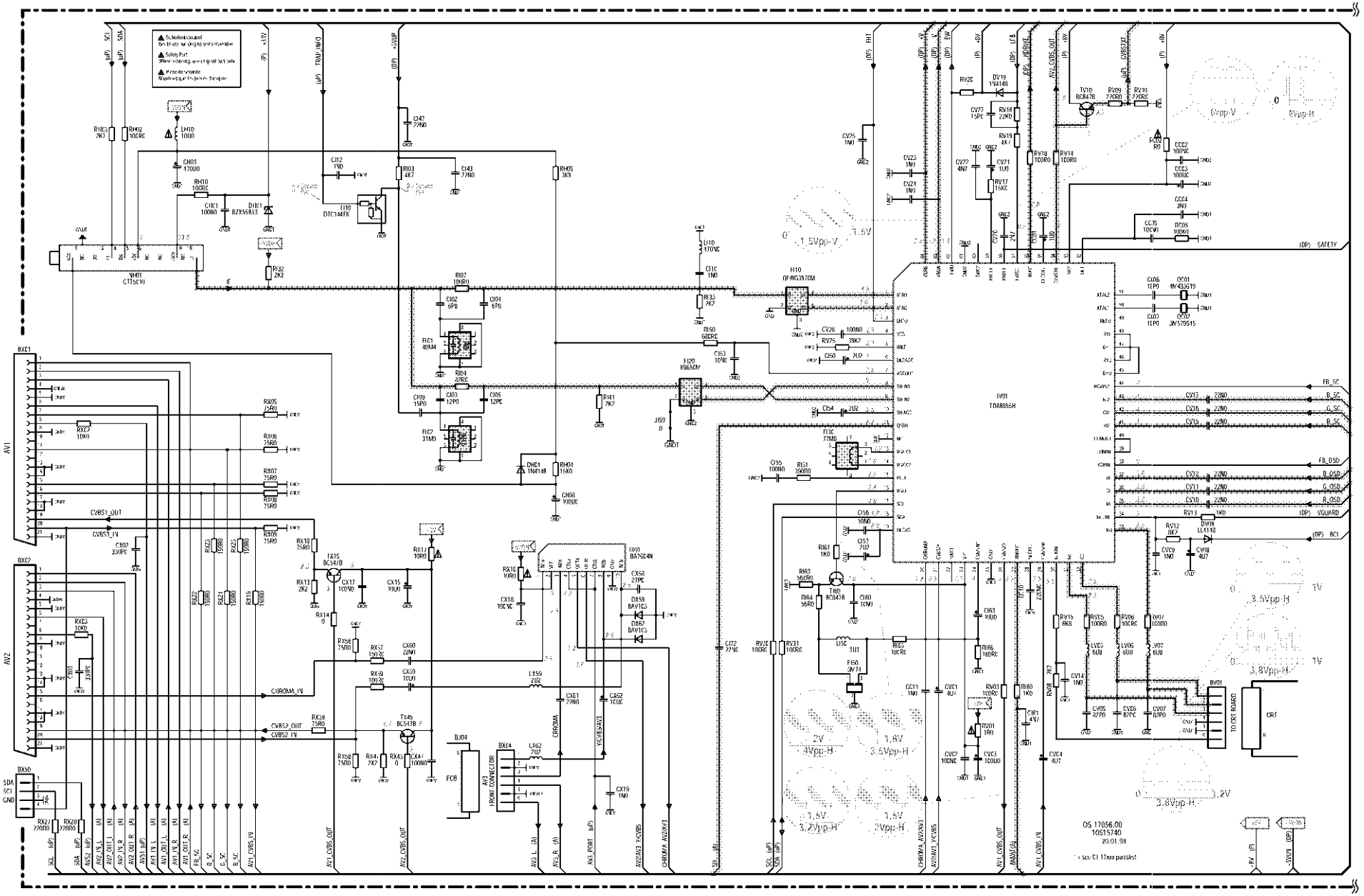
La subtitución de elementos de seguridad (marcados con el simbolo ⚠) por componentes no homologados segun la norma CEI 65, provoca la no conformidad del aparato.
En ese caso, el fabricante cesa de ser responsable.


IR01
MAIN (RP) 17000.00
(RP) 17001.00
RR44 4/3
RR48 16/9
* = value see partlist DP 17... 00
# | IR01
RP 17000 00 | ST92R195 CUT 2.2 JAL (10592030)
RP 17001 00 | ST92R195 CUT 2.2 JAM (10588150)

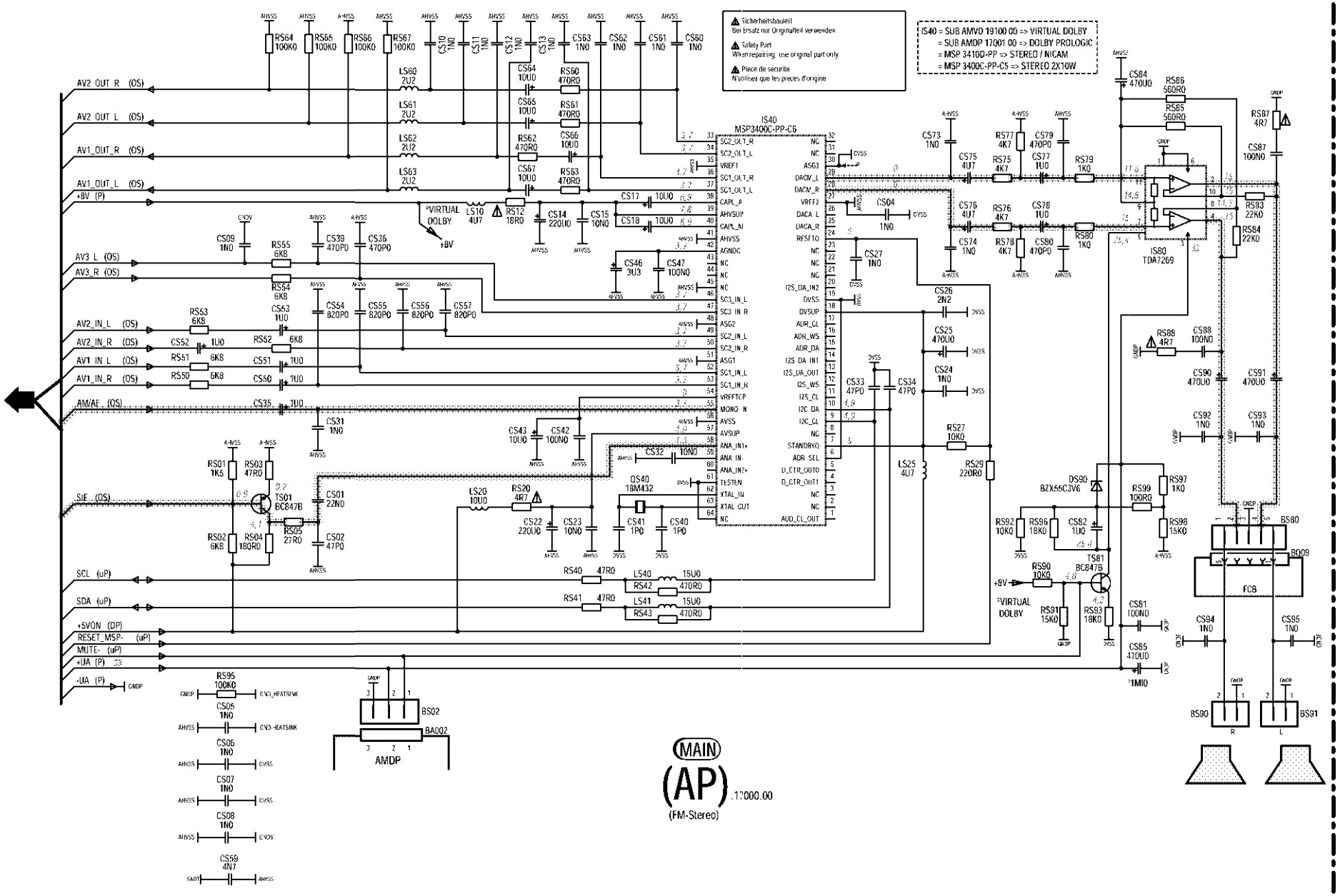
RF/FI/ SCART INTERFACE/VIDEO SIGNAL PROCESSING -HF/FI INTERFACE PERITELEVISION/TRAITEMENT LUMINANCE CHROMINANCE - HF/ZF/ SCART INTERFACE/VIDEO SIGNALVERARBEITUNG - RF/FI /PRESA PERITEL/ELABORAZIONE VIDEO - RF/FI /EUROCONECTOR / TRATAMENTO VIDEO



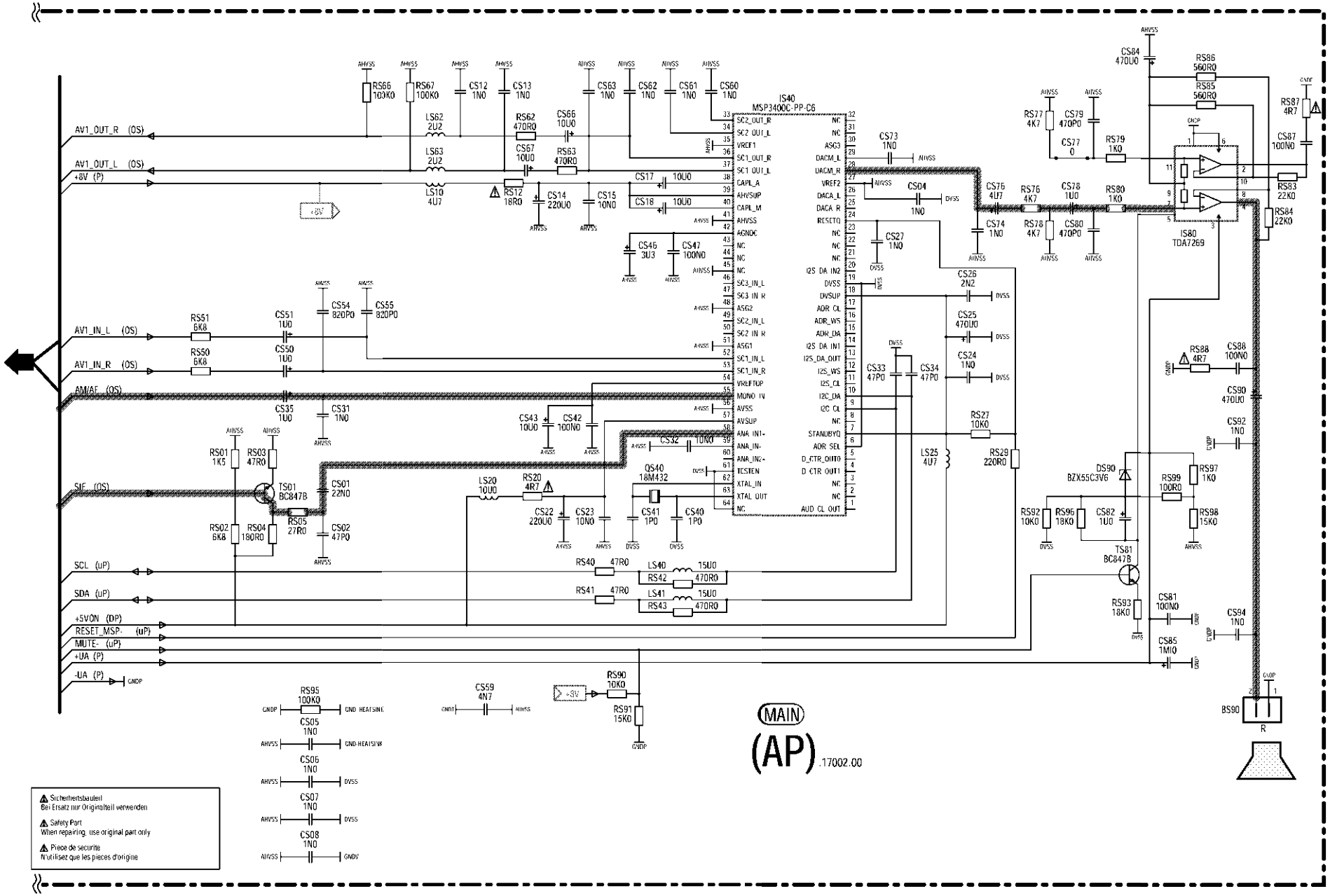
RF/FI/ SCART INTERFACE/VIDEO SIGNAL PROCESSING -HF/FI INTERFACE PERITELEVISION/TRAITEMENT LUMINANCE CHROMINANCE - HF/ZF/ SCART INTERFACE/VIDEO SIGNALVERARBEITUNG - RF/FI /PRESA PERITEL/ELABORAZIONE VIDEO - RF/FI /EUROCONECTOR/TRATAMENTO VIDEO



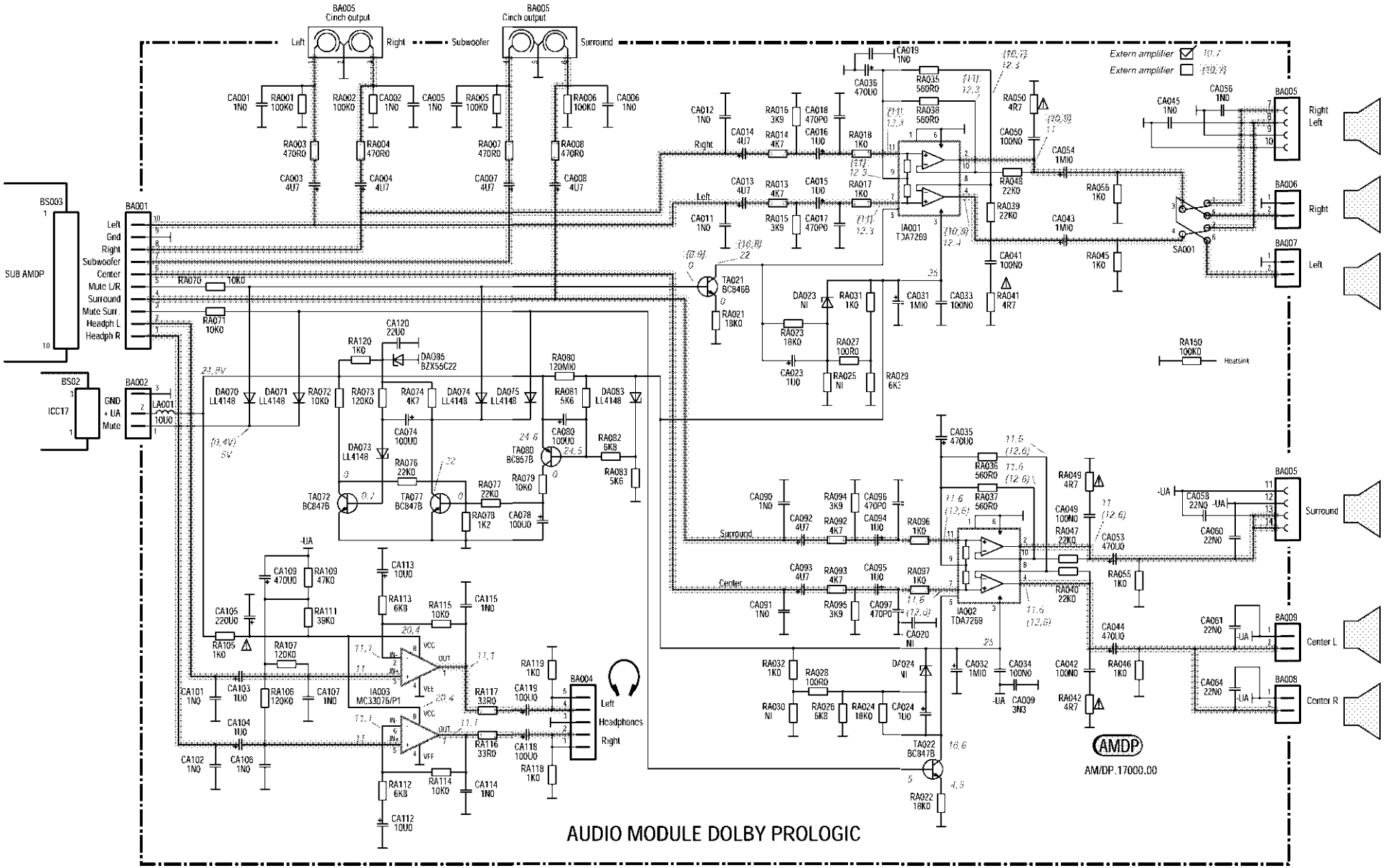
AMPLIFIER SCHEMATIC DIAGRAM - SCHEMA DE L'AMPLIFICATEUR - SCHALTBILD AUDIO-SIGNALVERABEITUNG - SCHEMA DELL' AMPLIFICATORE
ESQUEMA DEL AMPLIFICADOR
(STEREO)

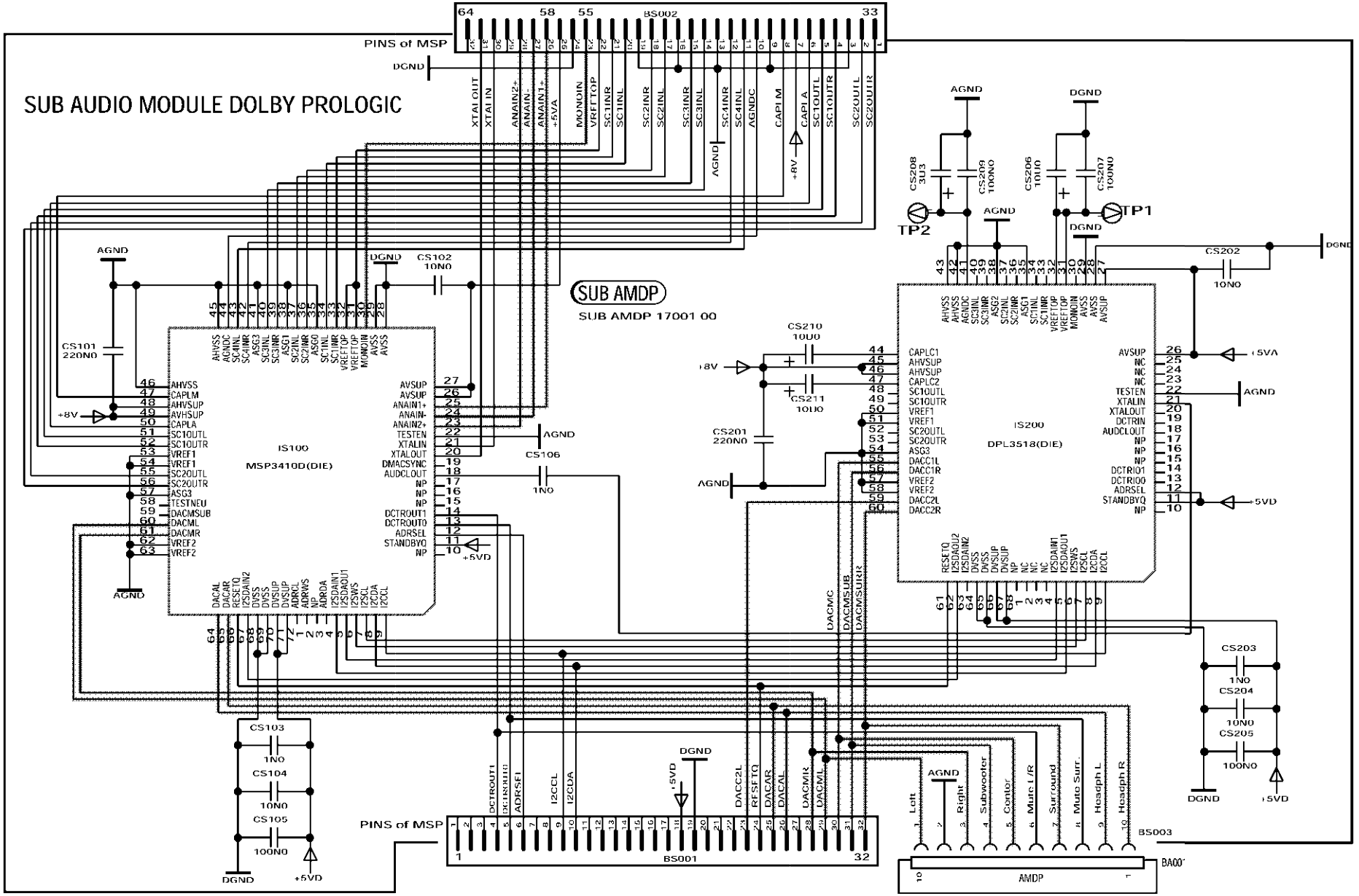


AMPLIFIER SCHEMATIC DIAGRAM - SCHEMA DE L'AMPLIFICATEUR - SCHALTBILD AUDIO-SIGNALVERABEITUNG - SCHEMA DELL' AMPLIFICATORE - ESQUEMA DEL AMPLIFICADOR
(MONO)



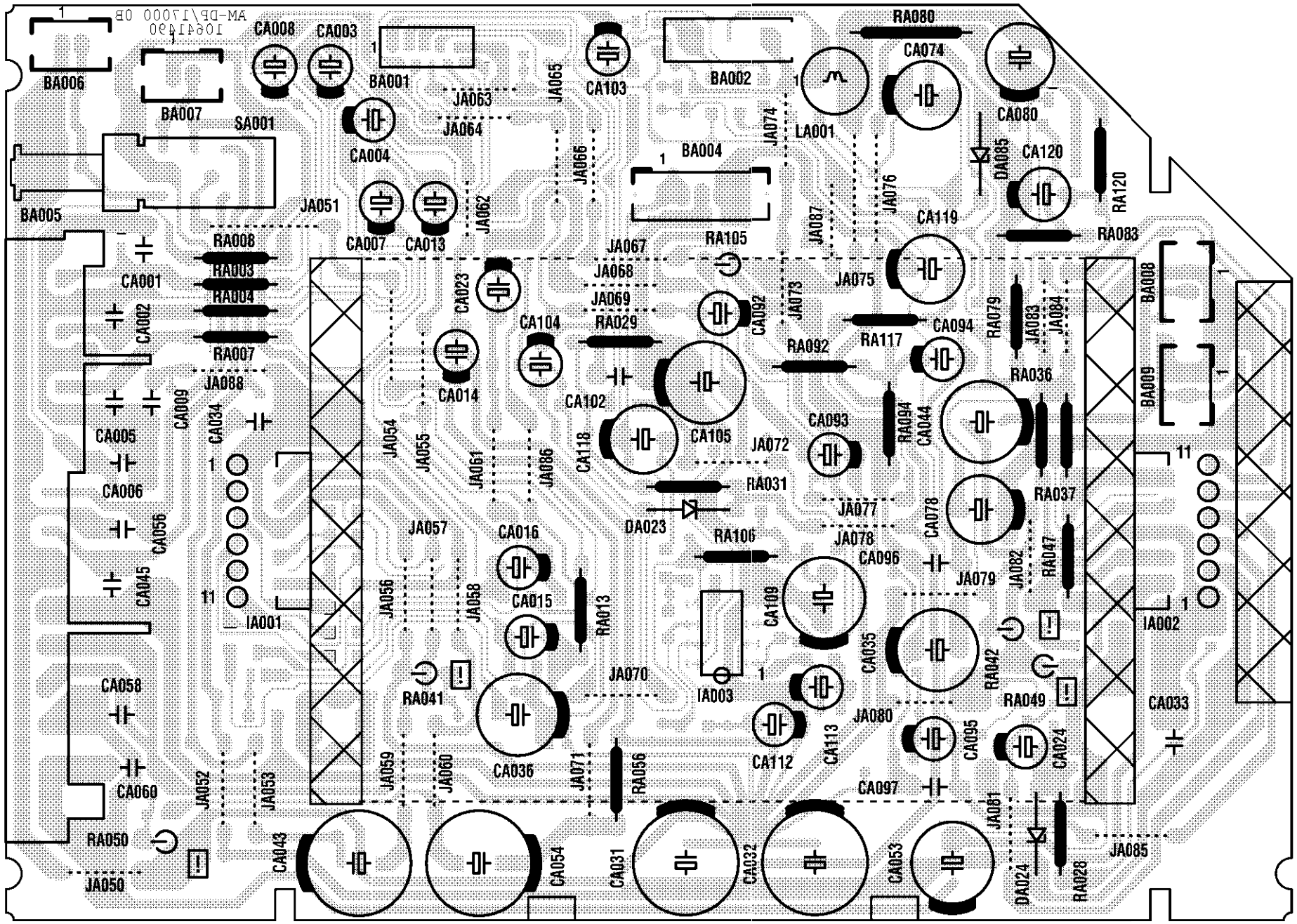
AUDIO SIGNAL MODULE DOLBY PROLOGIC - MODULE AUDIO DOLBY PROLOGIC - DOLBY PROLOGIC VERSTÄRKER - MODULO AUDIO DOLBY PROLOGIC
ESQUEMA DEL MÕDULO AMPLIFICADOR DE AUDIO




SUB AUDIO MODULE DOLBY PROLOGIC
PINS of MSP
BS002
DGND
AGND
+8V
+5VA
+5VD
SUB AMDP
SUB AMDP 17001 00
IS100
MSP3410D(DIE)
IS200
DPL3518(DIE)
CS101 220N0
CS102 10N0
CS106 1N0
CS201 220N0
CS202 10N0
CS203 1N0
CS204 10N0
CS205 100N0
CS206 10U0
CS207 100N0
CS208 3U3
CS209 100N0
CS210 10U0
CS211 10U0
CS103 1N0
CS104 10N0
CS105 100N0
TP1
TP2
PINS of MSP
BS001
BS003
AMDP
Left
Right
Subwoofer
Center
Mute L/R
Surround
Mute Surr.
Headph L
Headph R

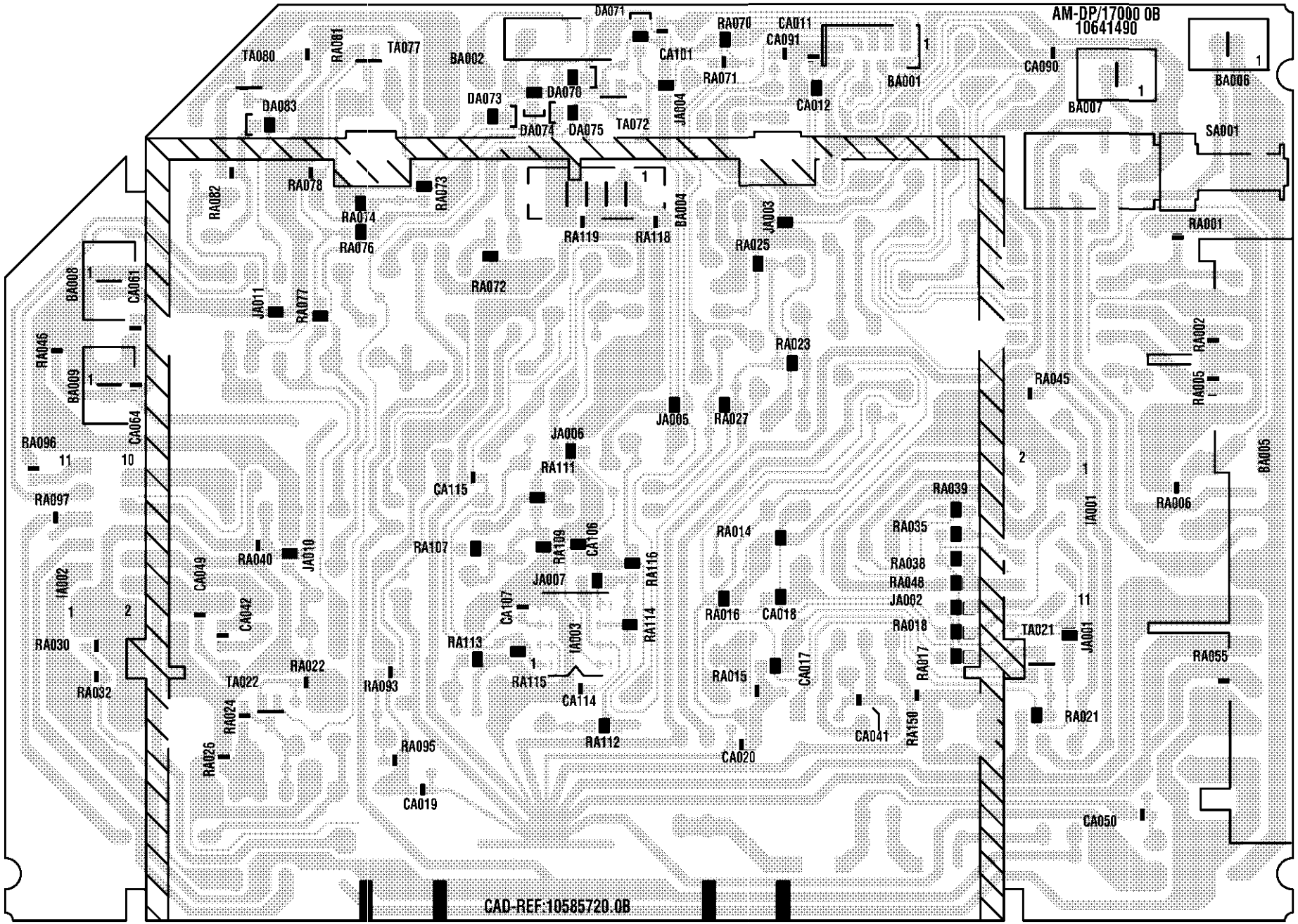
AUDIO SIGNAL MODULE DOLBY PROLOGIC - MODULE AUDIO DOLBY PROLOGIC - DOLBY PROLOGIC VERSTÄRKER - MODULO AUDIO DOLBY PROLOGIC - ESQUEMA DEL MÕDULO AMPLIFICADOR DE AUDIO

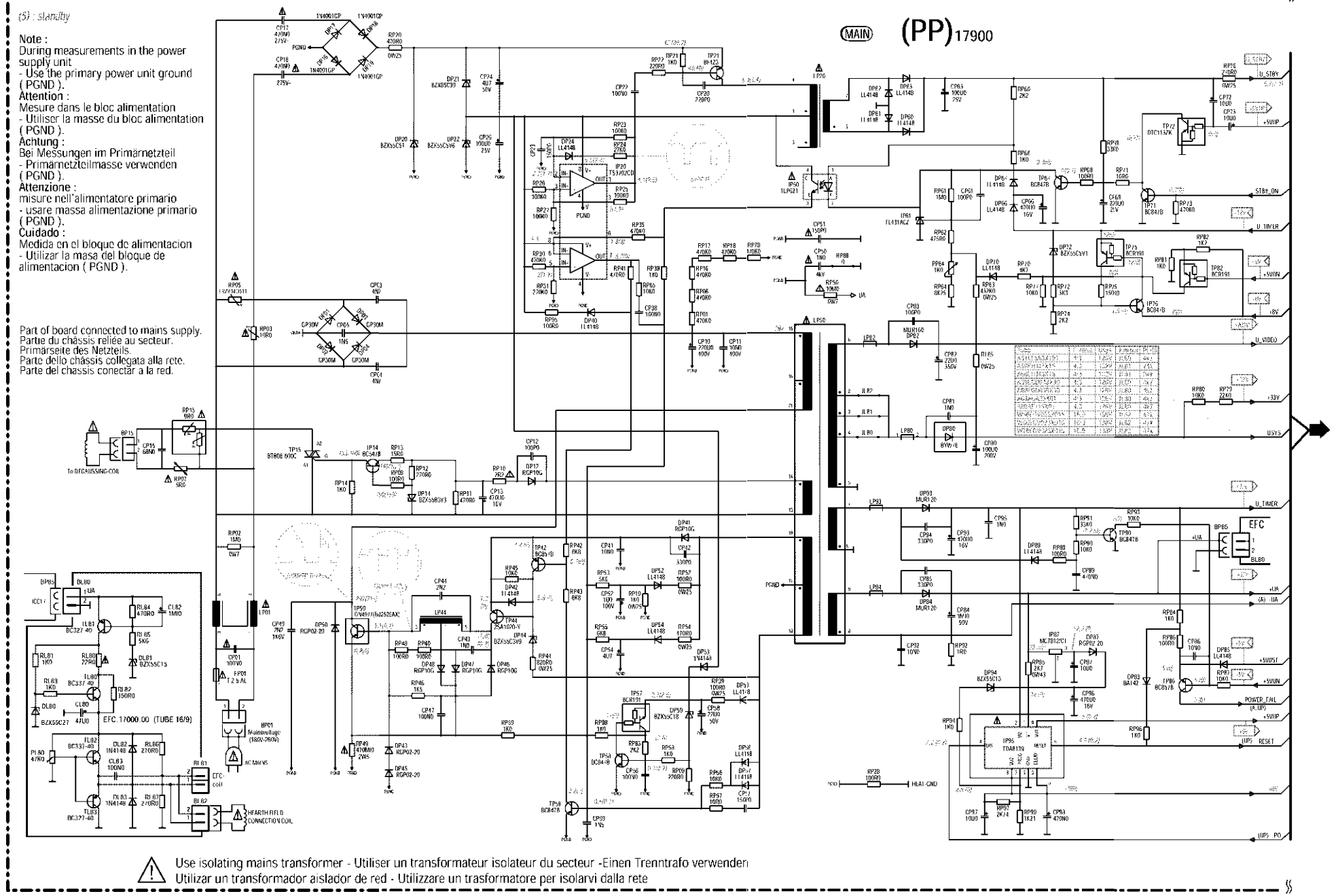
COMPONENT SIDE - CÖTE COMPOSANTS - BESTÜCKUNGSSEITE -LATO COMPONENTI - LADO COMPONENTES

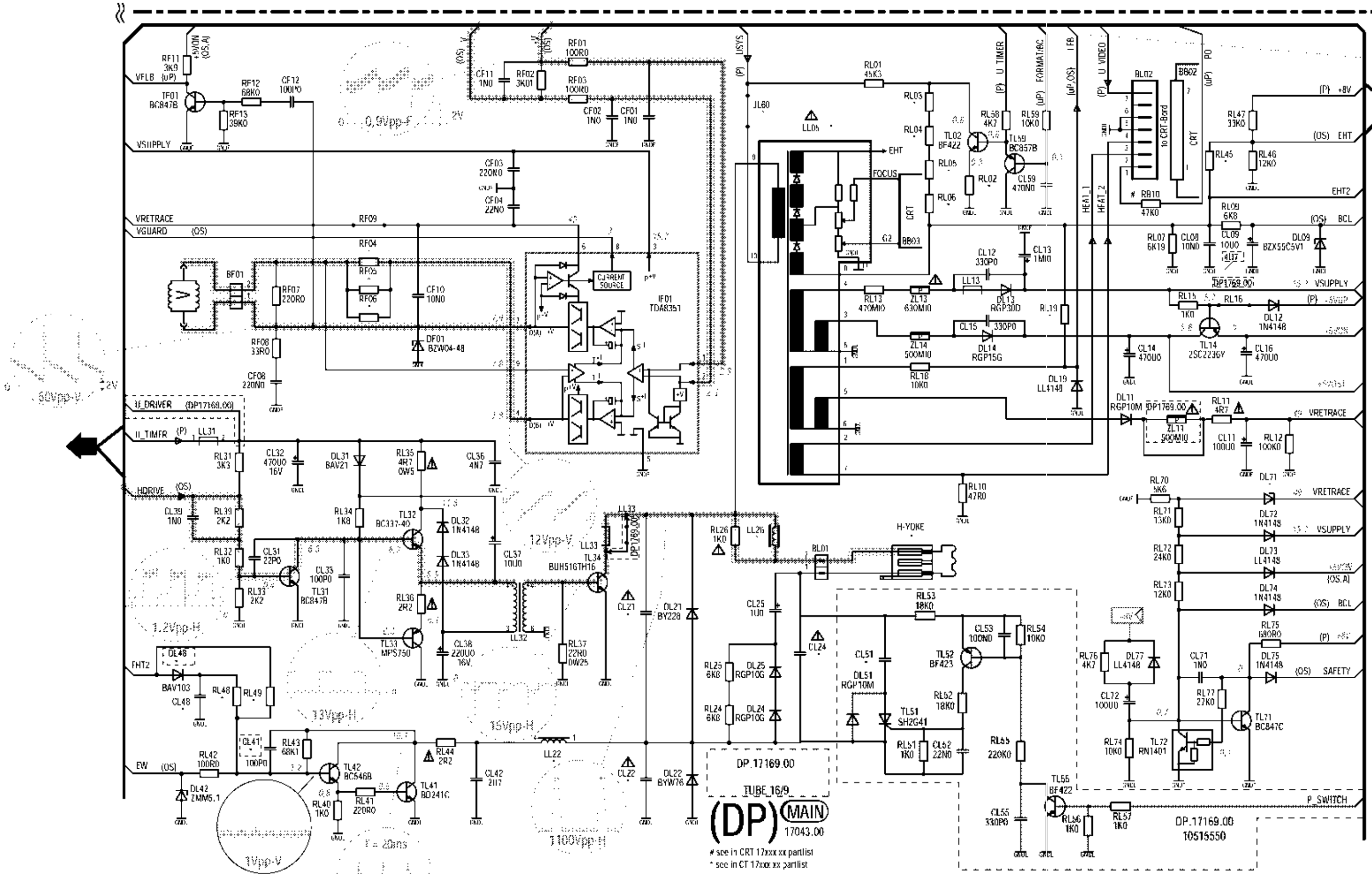


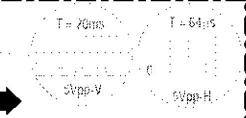
AUDIO SIGNAL MODULE DOLBY PROLOGIC - MODULE AUDIO DOLBY PROLOGIC - DOLBY PROLOGIC VERSTÄRKER - MODULO AUDIO DOLBY PROLOGIC - ESQUEMA DEL MÕDULO AMPLIFICADOR DE AUDIO

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




(5) : standby
Note :
During measurements in the power supply unit
- Use the primary power unit ground (PGND).
Attention :
Mesure dans le bloc alimentation
- Utiliser la masse du bloc alimentation (PGND).
Achtung :
Bei Messungen im Primärnetzteil
- Primärnetzteilmasse verwenden (PGND).
Attenzione :
misure nell'alimentatore primario
- usare massa alimentazione primario (PGND).
Cuidado :
Medida en el bloque de alimentacion
- Utilizar la masa del bloque de alimentacion (PGND).
Part of board connected to mains supply.
Partie du châssis reliée au secteur.
Primärseite des Netzteils.
Parte dello chassis collegata alla rete.
Parte del chassis conectar a la red.
MAIN
(PP)17900
EFC.17000.00 (TUBE 16/9)
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





(DP) MAIN 17043.00

see in CRT 17xxx xx partlist
* see in CT 17xxx xx partlist

TV ASY A59EHJ43X15 00	
TV ASY A66EHJ43X15 00	
Tube 4/3 25", 28" , MP /Vectorgun	
10518330	TV PSD CT 17061 32
CL21	14N0F +3.5% 3.5% 1K5V
CL22	30N0F +5% 5% 400.0V
CL24	470N0F +5% 5% 250.0V
CL24	440N0F +5% -5% 250.0V
CL41	100P0F +10% -10% 50.0V
CL48	CPM 10N0F +10% 63.0V
DL48	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55C30 30V 500MI0W
JL60	WIREBARE 22
JL81	0 OHM +0% 100MI0W
JP80	0 OHM +0% 100MI0W
LB02	LF 18U0H -7% -7%
LL05	TF-DST M30FBC3 10546610 3087 A0
LL22	LF 650U0H +5% 5% R 2873 A0 00
LL26	LL 26U5H +10%
LL26	LL 30U5H 2519 A0
RL04	1R21 OHM +1% 700MI0W
RL05	1R0 OHM +1% 700MI0W
RF05	1R21 OHM +1% 700MI0W
RF06	12R1 OHM +1% 100MI0W
RL02	10K0 OHM +5% 100MI0W
RL02	6K04 OHM +1% 100MI0W
RL02	499R0 OHM +1% 100MI0W
RL03	10K0 OHM +1% 100MI0W
RL03	11K5 OHM +1% 100MI0W
RL04	10K0 OHM +1% 100MI0W
RL04	20K0 OHM +1% 100MI0W
RL04	11K5 OHM +1% 100MI0W
RL05	10K0 OHM +1% 100MI0W
RL05	20K0 OHM +1% 100MI0W
RL05	11K5 OHM +1% 100MI0W
RL06	4K75 OHM +1% 100MI0W
RL06	11K5 OHM +1% 100MI0W
RL11	4R7 OHM +10% 250MI0W
RL11	4R7 OHM +5% 250MI0W
RL19	22K0 OHM +5% 100MI0W
RL19	33K0 OHM +5% 100MI0W
RL43	68K1 OHM +1% 250MI0W
RL43	68K1 OHM +1% 250MI0W
RL43	68K1 OHM +1% 100MI0W
RL45	180K0 OHM -5% 100MI0W
RL45	270K0 OHM -5% 100MI0W
RL46	12K0 OHM +5% 100MI0W
RL47	33K0 OHM +5% 100MI0W
RL48	76K8 OHM +1% 100MI0W
RL48	60K4 OHM +1% 100MI0W
RL64	8K25 OHM +1% 100MI0W
RL65	RCF 24K0 OHM +5% 250MI0W
RV20	RMF 33K2 OHM -1% 250MI0W
RV20	33K2 OHM +1% 100MI0W
ZL13	PROTEC MOD MP63 630MI0 A 65.0V

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

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.

La sostituzione degli elementi di sicurezza (contrassegnati con il segno ⚠) con componenti non omologati secondo la norma CEI 65 comporta la non conformitá dell'apparecchio.
In tal caso é "esclusa la responsabilitá" del costruttore.

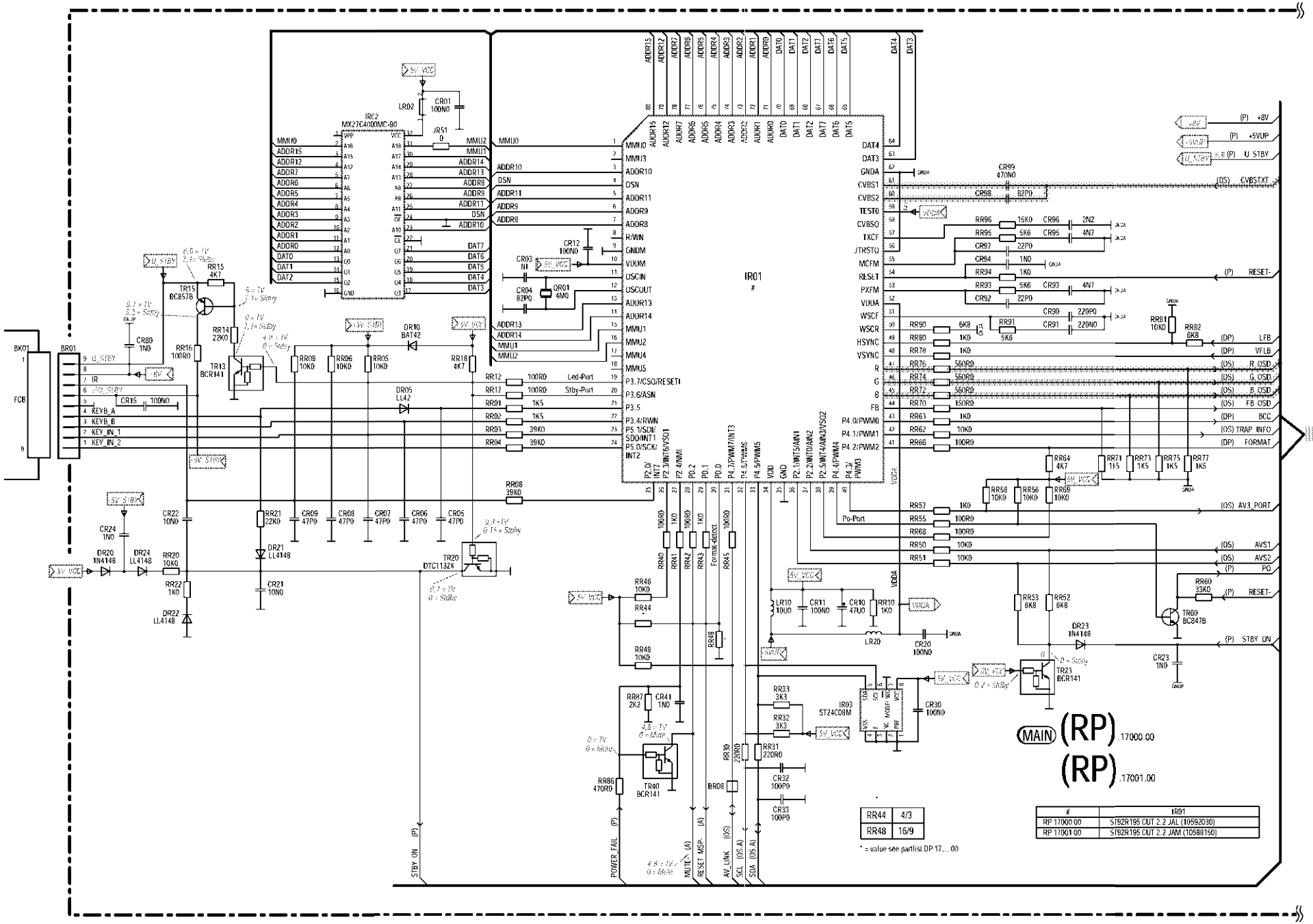
La subtitución de elementos de seguridad (marcados con el simbolo ⚠) por componentes no homologados segun la norma CEI 65, provoca la no conformidad del aparato.
En ese caso, el fabricante cesa de ser responsable.

TV ASY A80AEJ15X01 (A) 00	
Tube 4/3 33" , MP	
10575830	TV PSD CT 17062 26
CL21	16N2F +3.5% 3.5% 1K6V
CL22	30N0F +5% 5% 400.0V
CL24	560N0F +5% 5% 250.0V
CL41	100P0F +10% 10% 50.0V
CL48	10N0F +10% 63.0V
DL48	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55C30 30V 500MI0W
JL60	WIREBARE 22
JL80	0 OHM +0% 100MI0W
LB02	LF 32U0H +4% -4%
LL05	TF-DST TDS29 TBD 11
LL22	LF 650U0H +5% -5% R 2873 A0 00
LL26	LL 26U5H +10%
RF05	1R21 OHM +1% 700MI0W
RF06	10R0 OHM +1% 100MI0W
RL02	6K04 OHM +1% 100MI0W
RL03	4K75 OHM +1% 100MI0W
RL04	4K75 OHM +1% 100MI0W
RL05	4K75 OHM +1% 100MI0W
RL06	6K81 OHM +1% 100MI0W
RL19	13K0 OHM +5% 100MI0W
RL45	150K0 OHM +5% 100MI0W
RL48	76K8 OHM +1% 100MI0W
RL49	560K0 OHM +5% 100MI0W
RL65	RCF 4K7 OHM -5% 250MI0W
RV20	RMF 23K7 OHM -1% 250MI0W

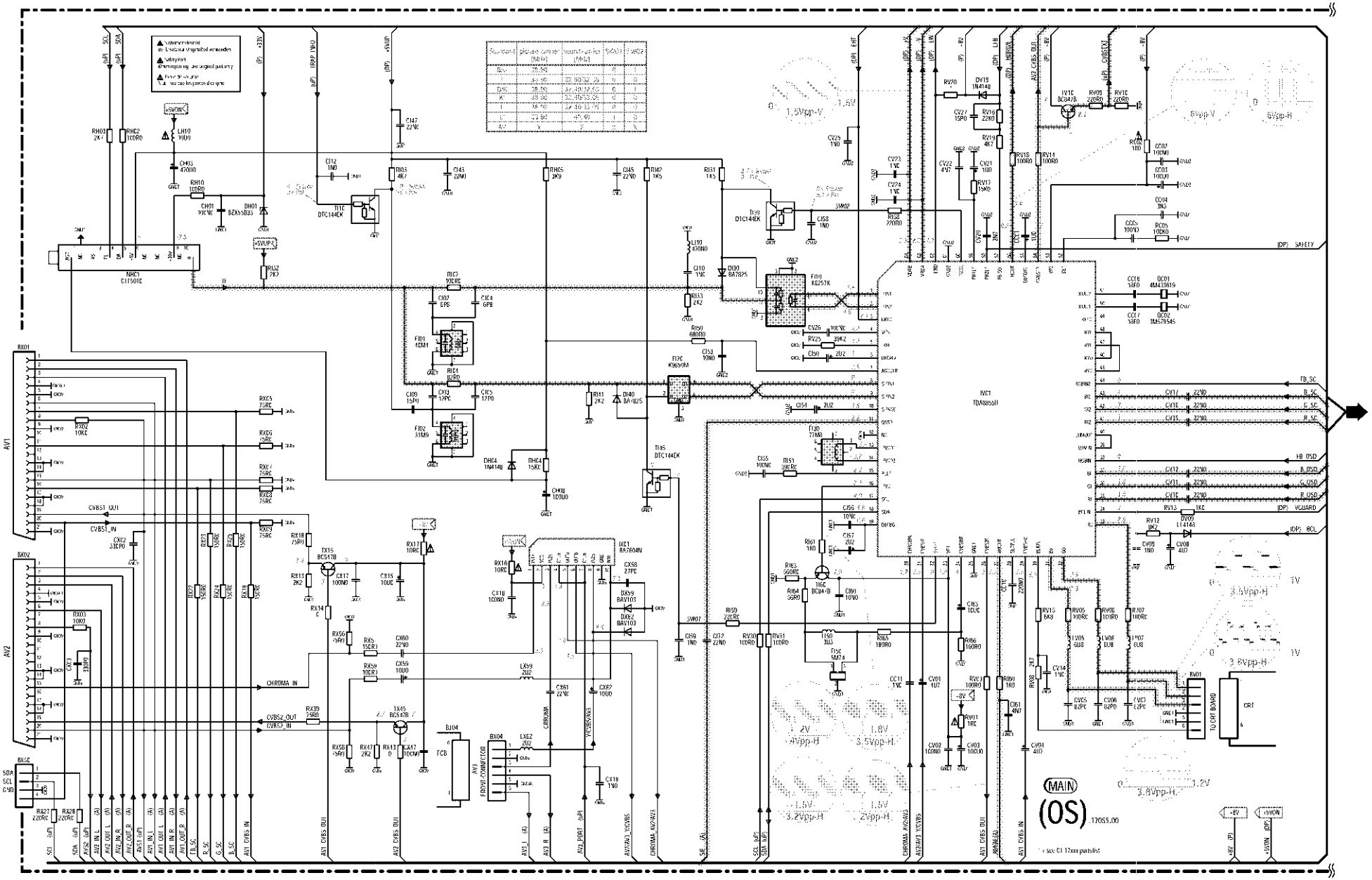
TV ASY A51ELS83X191 03	
Tube 4/3 21" OT	
10555770	TV PSD CT 17035 26
CL21	8N3F +3.5% -3.5% 1K6V
CL22	33N0F +5% -5% 1K0V
CL24	440N0F -5% -5% 250.0V
CL41	1N0F +10% -10% 50.0V
DL71	D-ZENER BZX55C24 24V 500MI0W
JL60	WIREBARE 22
JL80	0 OHM -0% 100MI0W
LB02	LF 18U0H +7% -7%
LL05	TF-DST M30FBC3 10555640 3087 A0
LL22	LF 650U0H +5% -5% R 2873 A0 00
LL26	LL 85U0H 2519 A0
RL05	1R5 OHM +1% 700MI0W
RL06	10R0 OHM +1% 100MI0W
RL02	6K04 OHM +1% 100MI0W
RL03	10K0 OHM +1% 100MI0W
RL04	10K0 OHM +1% 100MI0W
RL05	10K0 OHM +1% 100MI0W
RL06	3K32 OHM +1% 100MI0W
RL45	110K0 OHM +5% 100MI0W
RL49	60K4 OHM +1% 100MI0W
RL65	4K7 OHM +5% 250MI0W
RV20	23K7 OHM +1% 250MI0W

TV ASY A59EGD048X30 19	
TV ASY A68EGD038X30 (A) 68 00	
Tube 4/3 25" SF, 29" SF	
10515520	TV PSD CT 17071 26
CL21	16N2F -3.5% -3.5% 1K6V
CL22	30N0F -5% -5% 400.0V
CL24	510N0F -5% -5% 250.0V
CL41	100P0F +10% -10% 50.0V
CL48	10N0F -10% 63.0V
DL48	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55C30 30V 500MI0W
JL60	WIREBARE 22
JL80	0 OHM +0% 100MI0W
LB02	LF 32U0H +4% -4%
LL05	TF-DST TDS29 TBD 13
LL22	LF 650U0H +5% 5%
LL26	LL 26U5H +10%
RF05	RMF 1R0 OHM +1% 700MI0W
RL02	6K8 OHM +5% 100MI0W
RL03	4K75 OHM +1% 100MI0W
RL04	4K75 OHM +1% 100MI0W
RL05	4K75 OHM +1% 100MI0W
RL06	4K75 OHM +1% 100MI0W
RL19	15K0 OHM +5% 100MI0W
RL45	180K0 OHM +5% 100MI0W
RL48	100K0 OHM +5% 100MI0W
RL49	300K0 OHM +5% 100MI0W
RL65	4K7 OHM +5% 250MI0W
RV20	33K2 OHM +1% 250MI0W

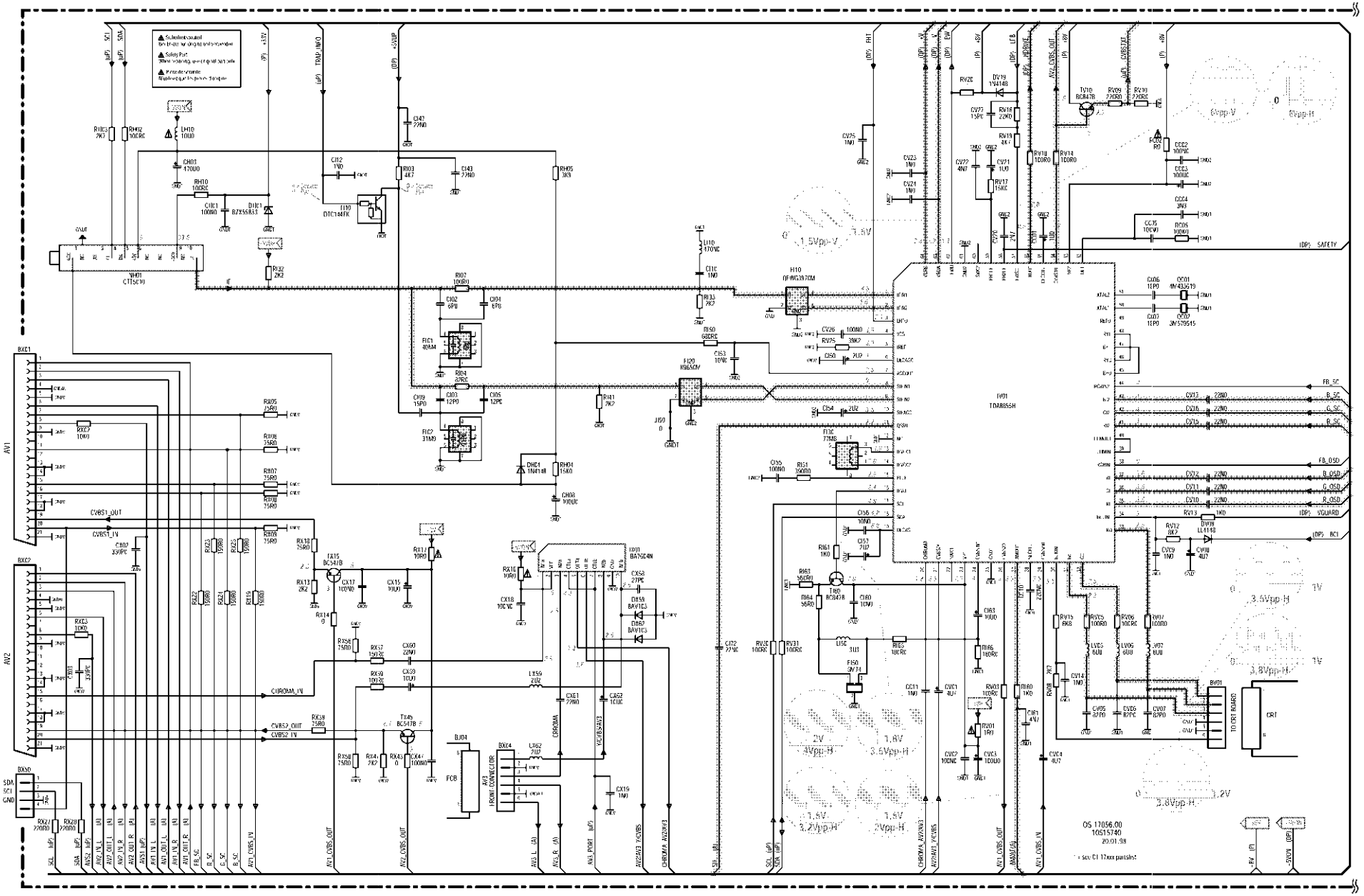
TV ASY W56EGV023X015 56 01	
TV ASY W66EGV023X015 66 00	
TV ASY W76EGV023X015 (A) 00	
Tube 16/9 24", 28",32", SF / vectorgun	
10515530	TV PSD CT 17083 38
CL21	15N5F -3.5% -3.5% 1K6V
CL22	27N0F -5% -5% 400.0V
CL24	440N0F +5% -5% 250.0V
CL41	100P0F +10% -10% 50.0V
CL48	100N0F -5% 63.0V
CL51	290N0F +5% 5% 250.0V
DL48	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55C24 24V 500MI0W
JL60	WIREBARE 22
JL82	0 OHM +0% 100MI0W
LB02	LF 32U0H -4% -4%
LL05	TF-DST TDS29 15314460 10
LL22	LF 650U0H -5% -5%
LL26	LL 30U5H 2519 A0
RF05	1R21 OHM +1% 700MI0W
RL02	4K99 OHM +1% 100MI0W
RL03	6K49 OHM +1% 100MI0W
RL04	6K49 OHM +1% 100MI0W
RL05	6K49 OHM +1% 100MI0W
RL06	2K37 OHM +1% 100MI0W
RL19	13K0 OHM +5% 100MI0W
RL45	390K0 OHM +5% 100MI0W
RL48	220K0 OHM +5% 100MI0W
RL49	180K0 OHM +5% 100MI0W
RL65	47K0 OHM +5% 250MI0W
RV20	100K0 OHM +1% 250MI0W


IR01
MAIN (RP) 17000.00
(RP) 17001.00
RR44 4/3
RR48 16/9
* = value see partlist DP 17... 00
# | IR01
RP 17000 00 | ST92R195 CUT 2.2 JAL (10592030)
RP 17001 00 | ST92R195 CUT 2.2 JAM (10588150)

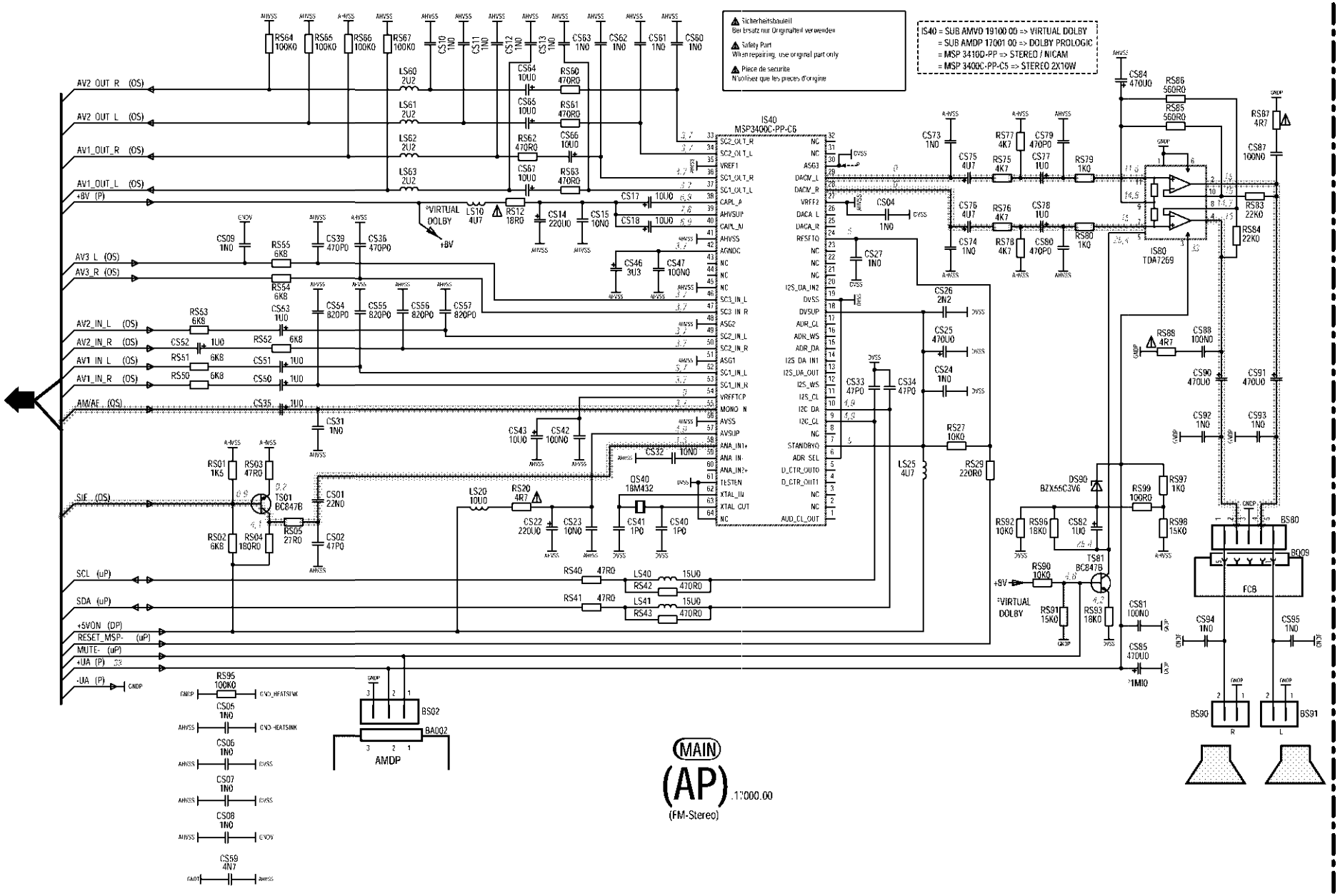
RF/FI/ SCART INTERFACE/VIDEO SIGNAL PROCESSING -HF/FI INTERFACE PERITELEVISION/TRAITEMENT LUMINANCE CHROMINANCE - HF/ZF/ SCART INTERFACE/VIDEO SIGNALVERARBEITUNG - RF/FI /PRESA PERITEL/ELABORAZIONE VIDEO - RF/FI /EUROCONECTOR / TRATAMENTO VIDEO



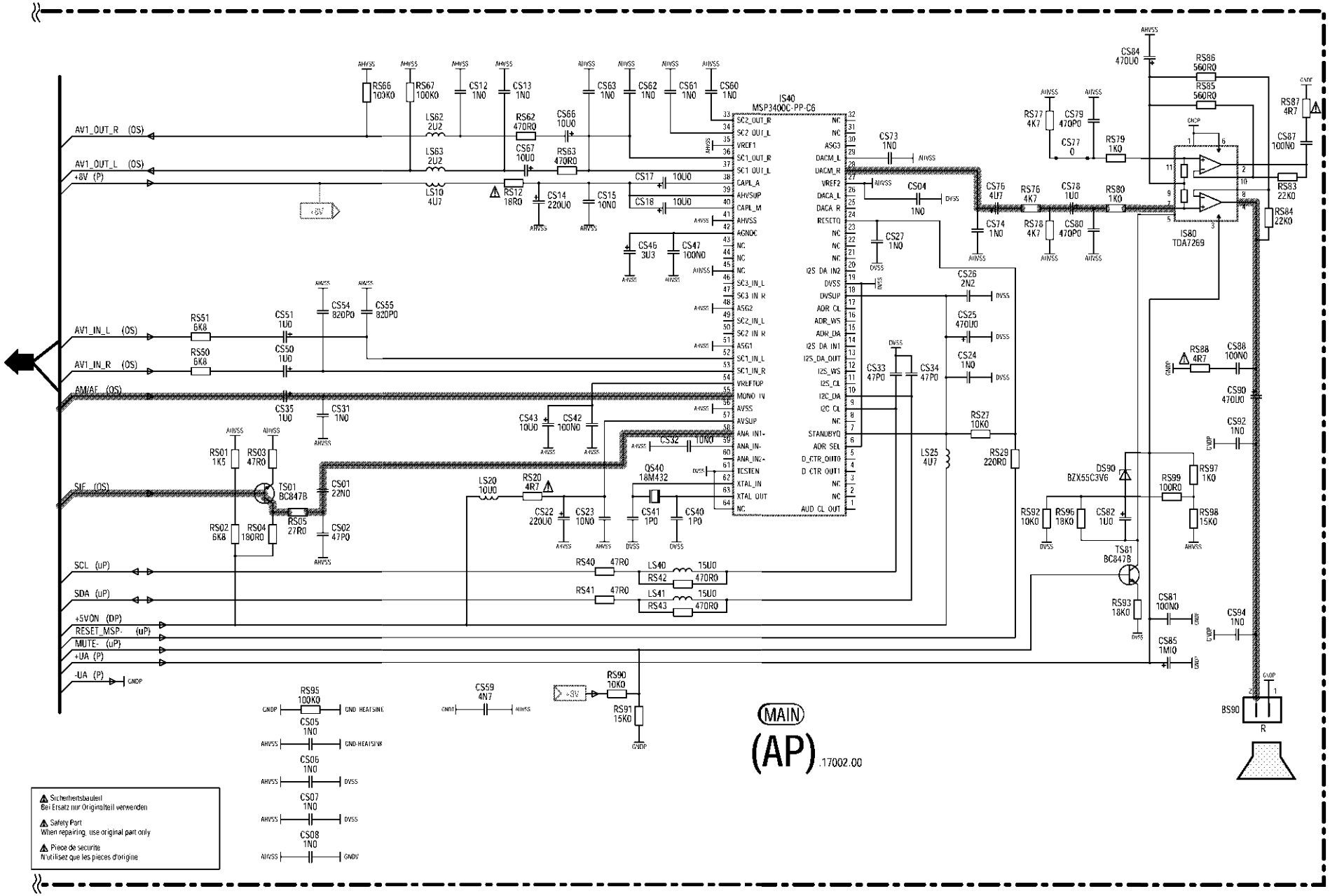
RF/FI/ SCART INTERFACE/VIDEO SIGNAL PROCESSING -HF/FI INTERFACE PERITELEVISION/TRAITEMENT LUMINANCE CHROMINANCE - HF/ZF/ SCART INTERFACE/VIDEO SIGNALVERARBEITUNG - RF/FI /PRESA PERITEL/ELABORAZIONE VIDEO - RF/FI /EUROCONECTOR/TRATAMENTO VIDEO



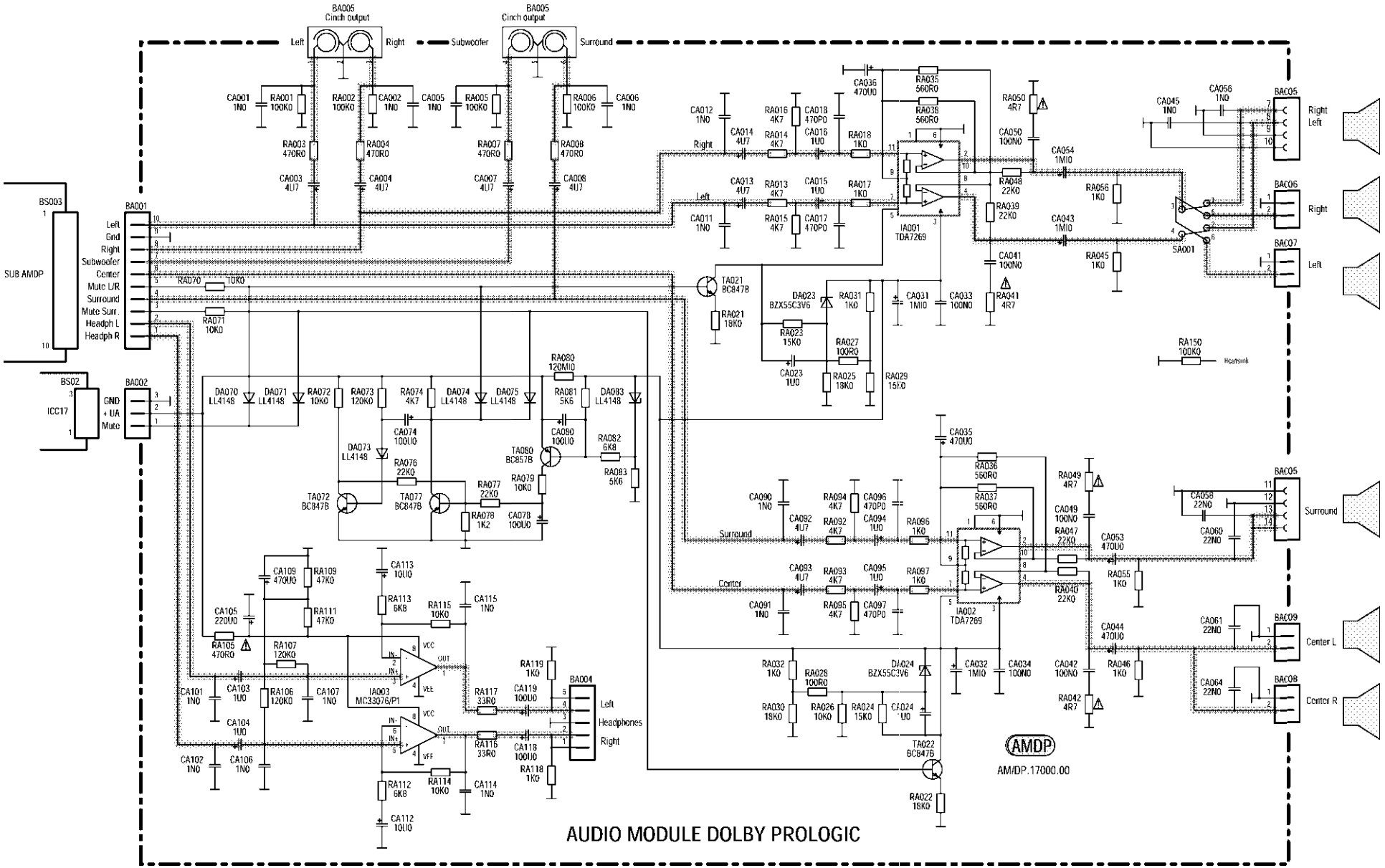
AMPLIFIER SCHEMATIC DIAGRAM - SCHEMA DE L'AMPLIFICATEUR - SCHALTBILD AUDIO-SIGNALVERABEITUNG - SCHEMA DELL' AMPLIFICATORE
ESQUEMA DEL AMPLIFICADOR
(STEREO)



AMPLIFIER SCHEMATIC DIAGRAM - SCHEMA DE L'AMPLIFICATEUR - SCHALTBILD AUDIO-SIGNALVERABEITUNG - SCHEMA DELL' AMPLIFICATORE - ESQUEMA DEL AMPLIFICADOR
(MONO)



AUDIO SIGNAL MODULE DOLBY PROLOGIC - MODULE AUDIO DOLBY PROLOGIC - DOLBY PROLOGIC VERSTÄRKER - MODULO AUDIO DOLBY PROLOGIC
ESQUEMA DEL MÖDULO AMPLIFICADOR DE AUDIO



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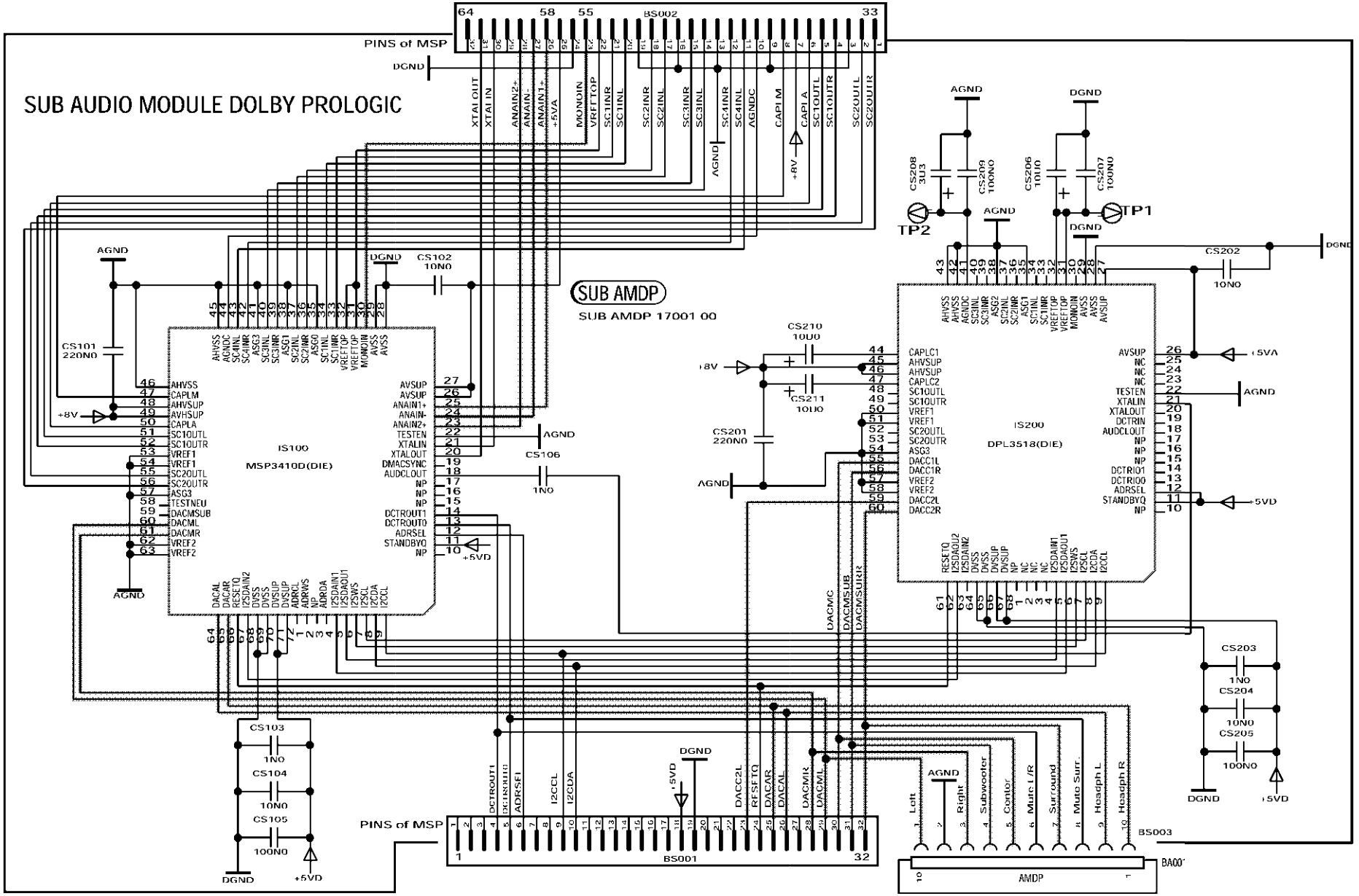
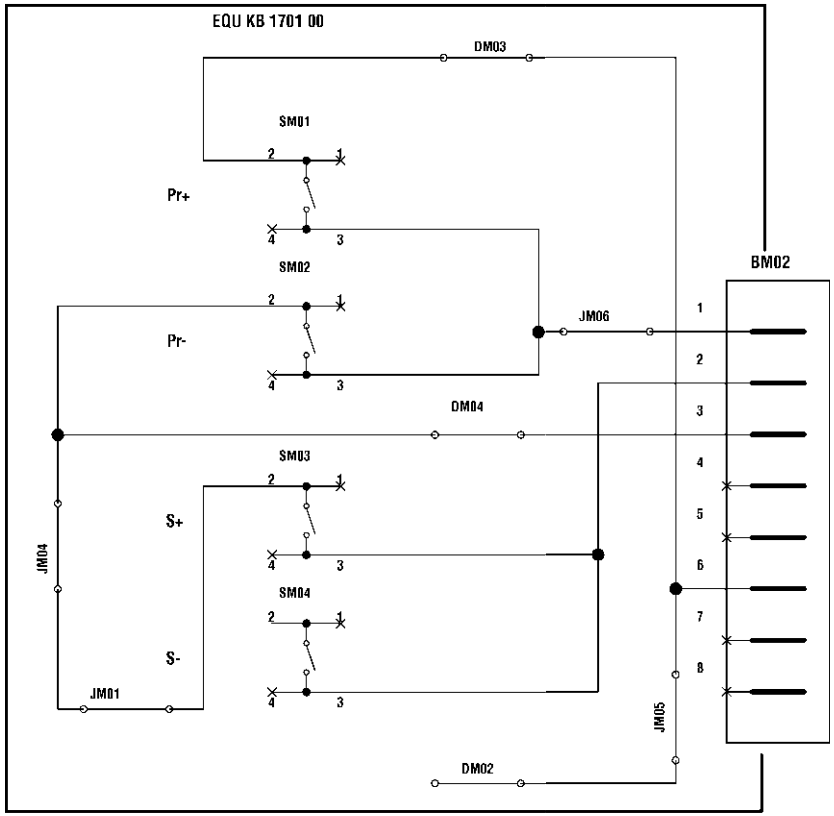

SUB AUDIO MODULE DOLBY PROLOGIC
PINS of MSP
BS002
DGND
AGND
+8V
+5VA
+5VD
SUB AMDP
SUB AMDP 17001 00
IS100
MSP3410D(DIE)
IS200
DPL3518(DIE)
CS101 220N0
CS102 10N0
CS106 1N0
CS201 220N0
CS202 10N0
CS203 1N0
CS204 10N0
CS205 100N0
CS206 10U0
CS207 100N0
CS208 3U3
CS209 100N0
CS210 10U0
CS211 10U0
CS103 1N0
CS104 10N0
CS105 100N0
TP1
TP2
PINS of MSP
BS001
BS003
AMDP
Left
Right
Subwoofer
Center
Mute L/R
Surround
Mute Surr.
Headph L
Headph R


EQU KB 1701 00
DM03
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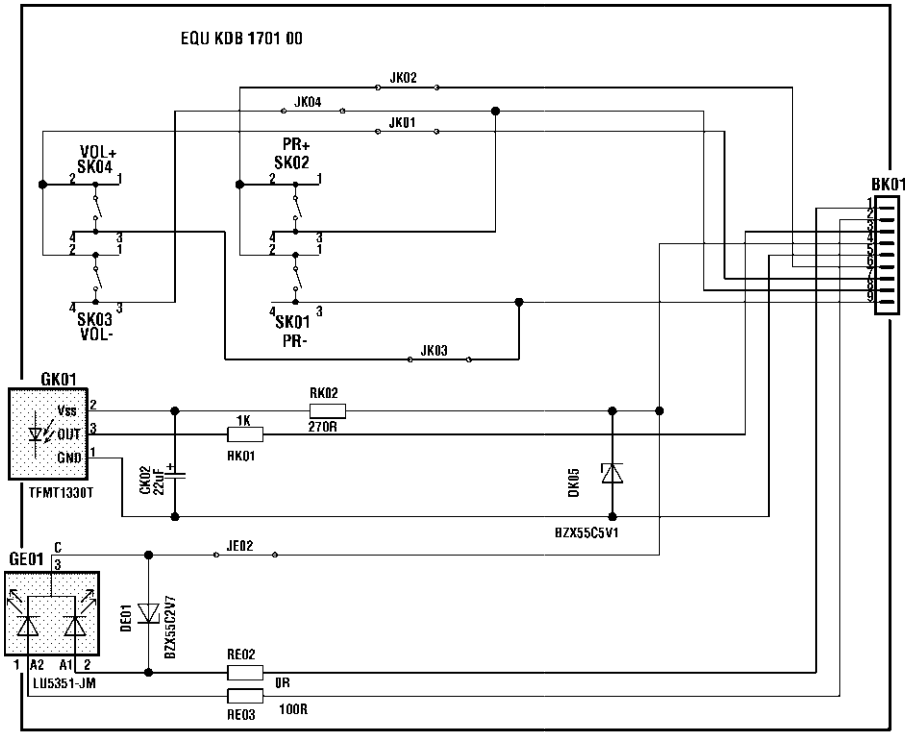
Pr+
SM02
Pr-
JM06
BM02
DM04
SM03
S+
JM04
SM04
S-
JM01
JM05
DM02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JK04
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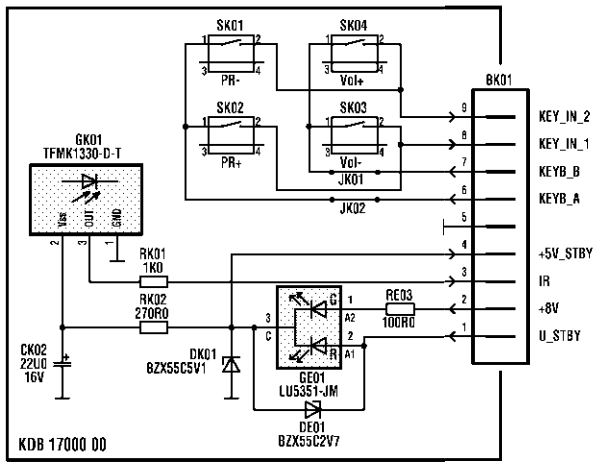
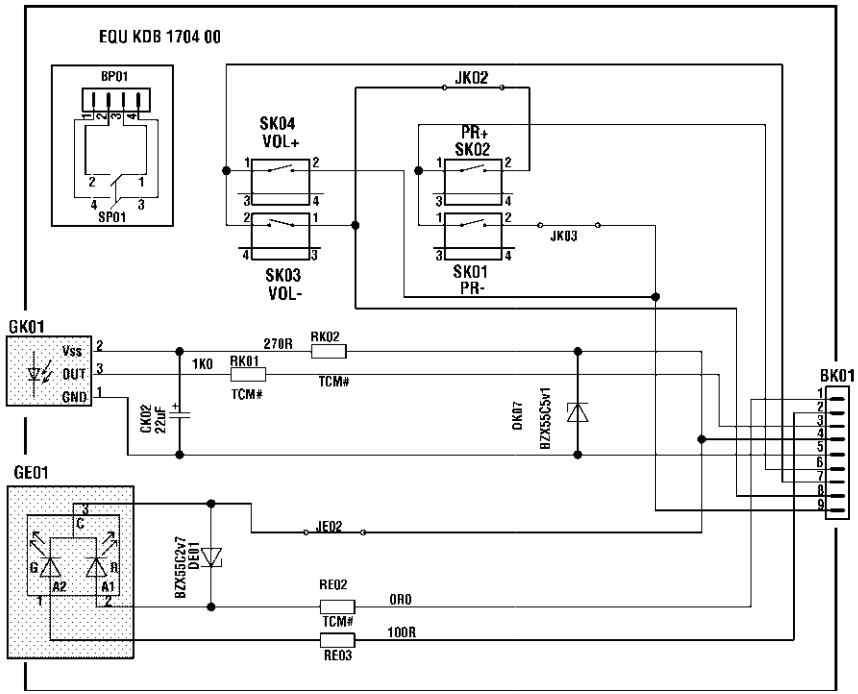
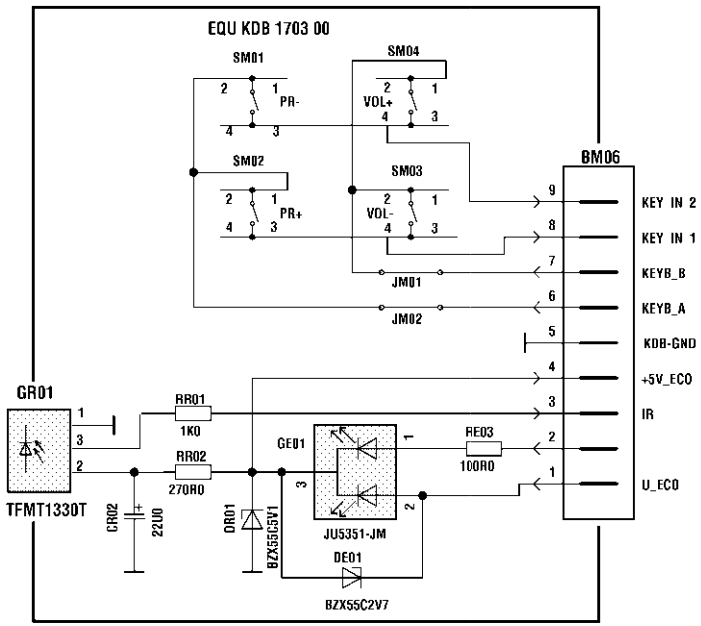
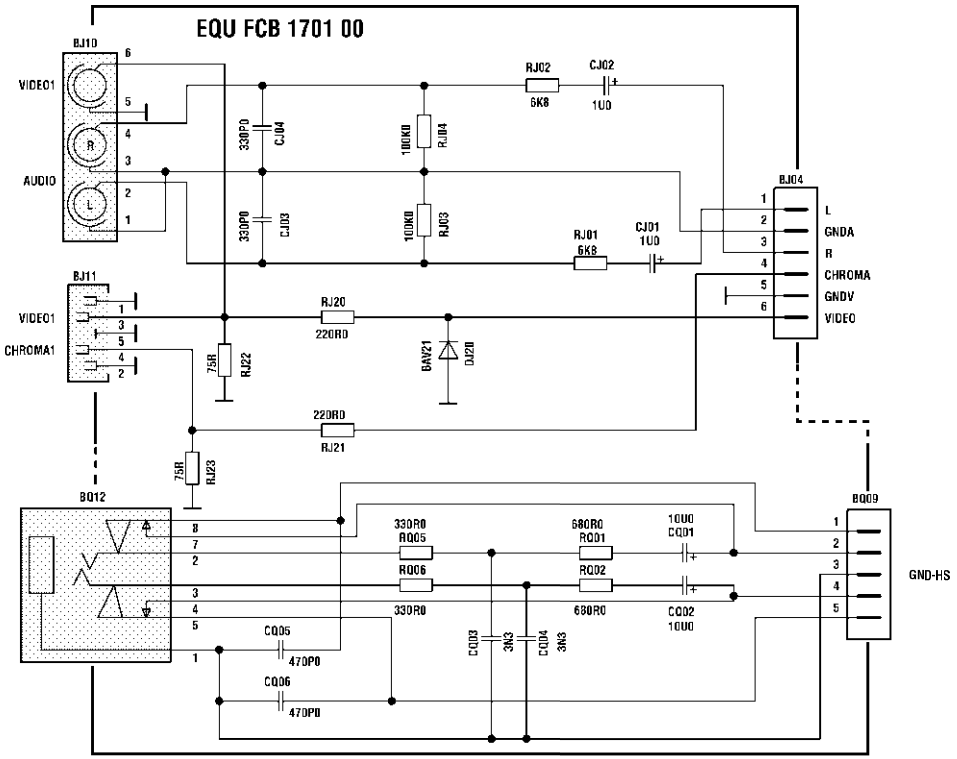
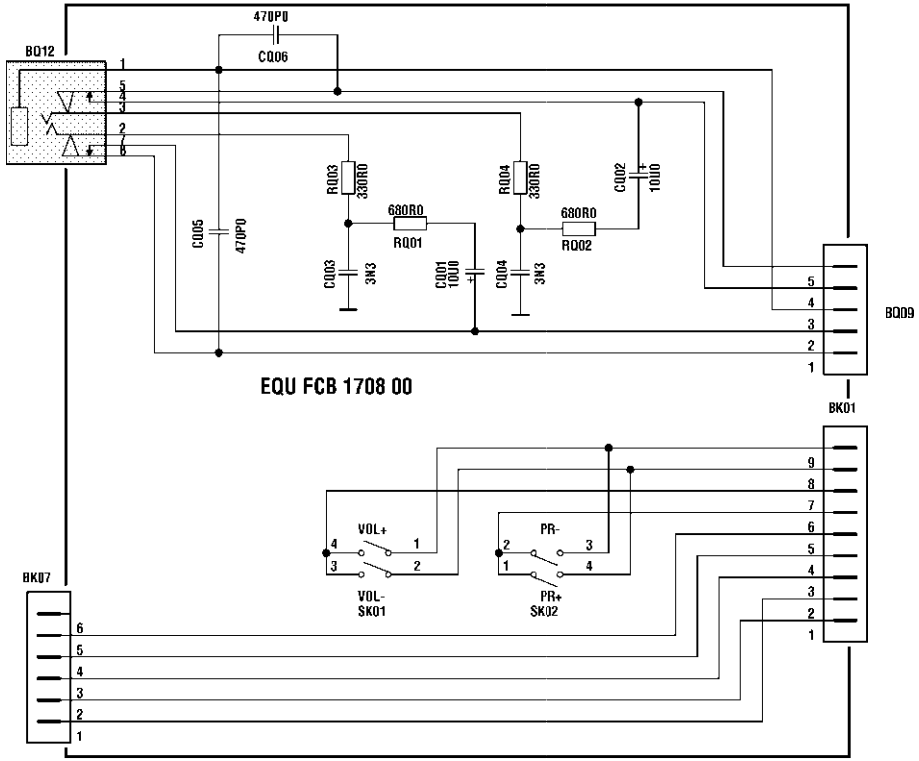
VOL+
SK04
PR+
SK02
BK01
SK03
VOL-
SK01
PR-
JK03
GK01
Vss
OUT
GND
TFMT1330T
1K
RK01
RK02
270R
CK02
22uF
DK06
BZX55C5V1
GE01
JE02
DE01
BZX55C2V7
RE02
LU5351-JM
0R
RE03
100R

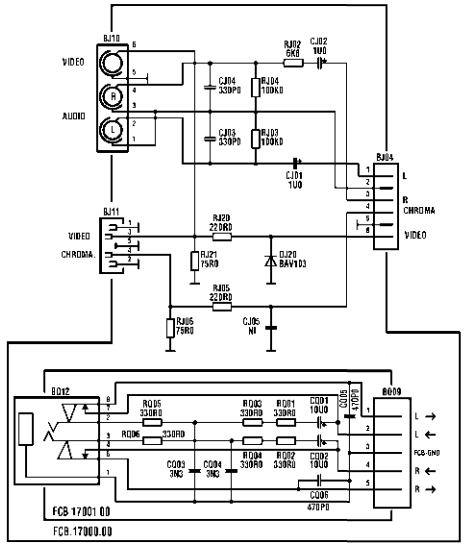

SK01
SK04
PR-
Vol+
SK02
SK03
PR+
Vol-
JK01
JK02
BK01
KEY_IN_2
KEY_IN_1
KEYB_B
KEYB_A
+5V_STBY
IR
+8V
U_STBY
GK01
TFMK1330-D-T
Vss
OUT
GND
RK01
1K0
RK02
270R0
RE03
100R0
CK02
22U0
16V
DK01
BZX55C5V1
GE01
LU5351-JM
DE01
BZX55C2V7
KDB 17000 00

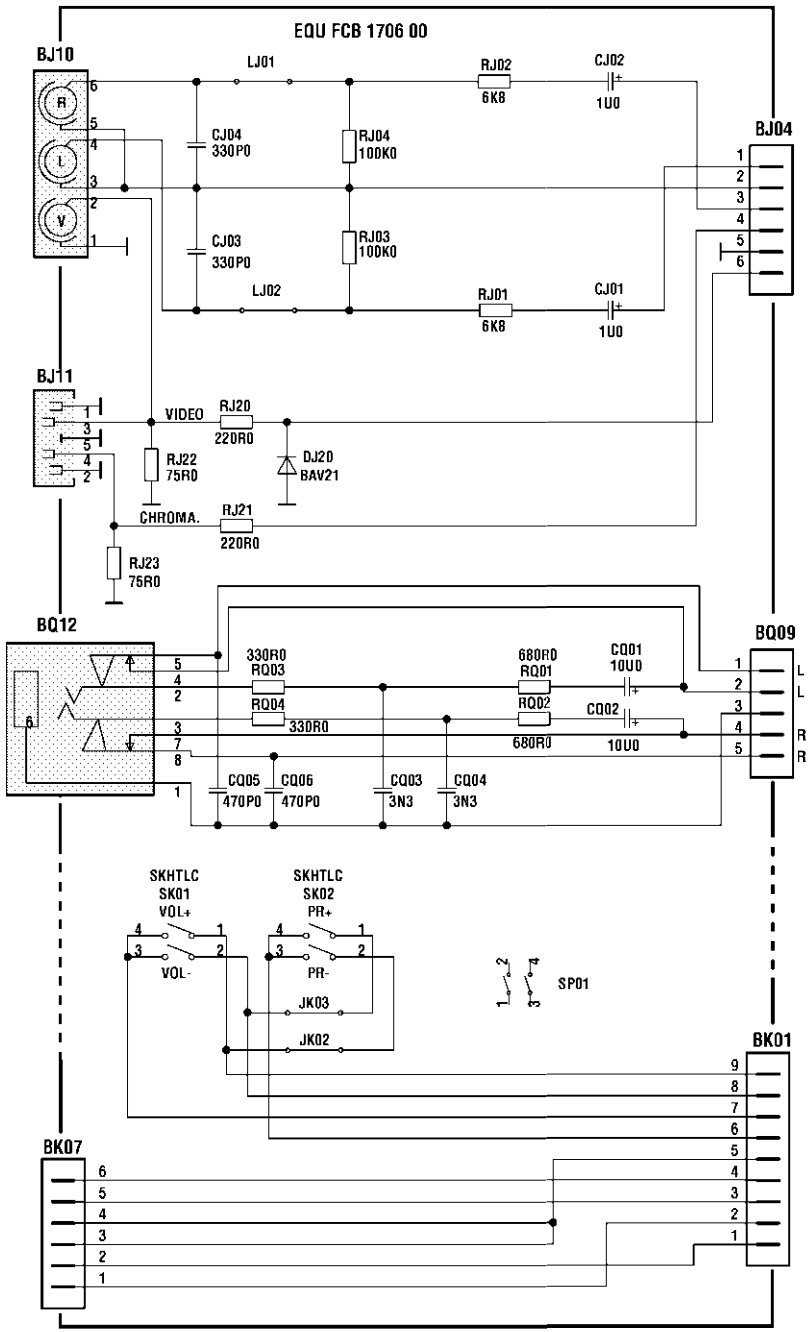

EQU KDB 1704 00
BP01
SP01
SK04
VOL+
JK02
PR+
SK02
JK03
SK03
VOL-
SK01
PR-
GK01
Vss
OUT
GND
270R
RK02
1K0
RK01
TCM#
CK02
22uF
DK07
BZX55C5v1
BK01
GE01
JE02
BZX55C2v7
DE01
RE02
0R0
RE03
100R

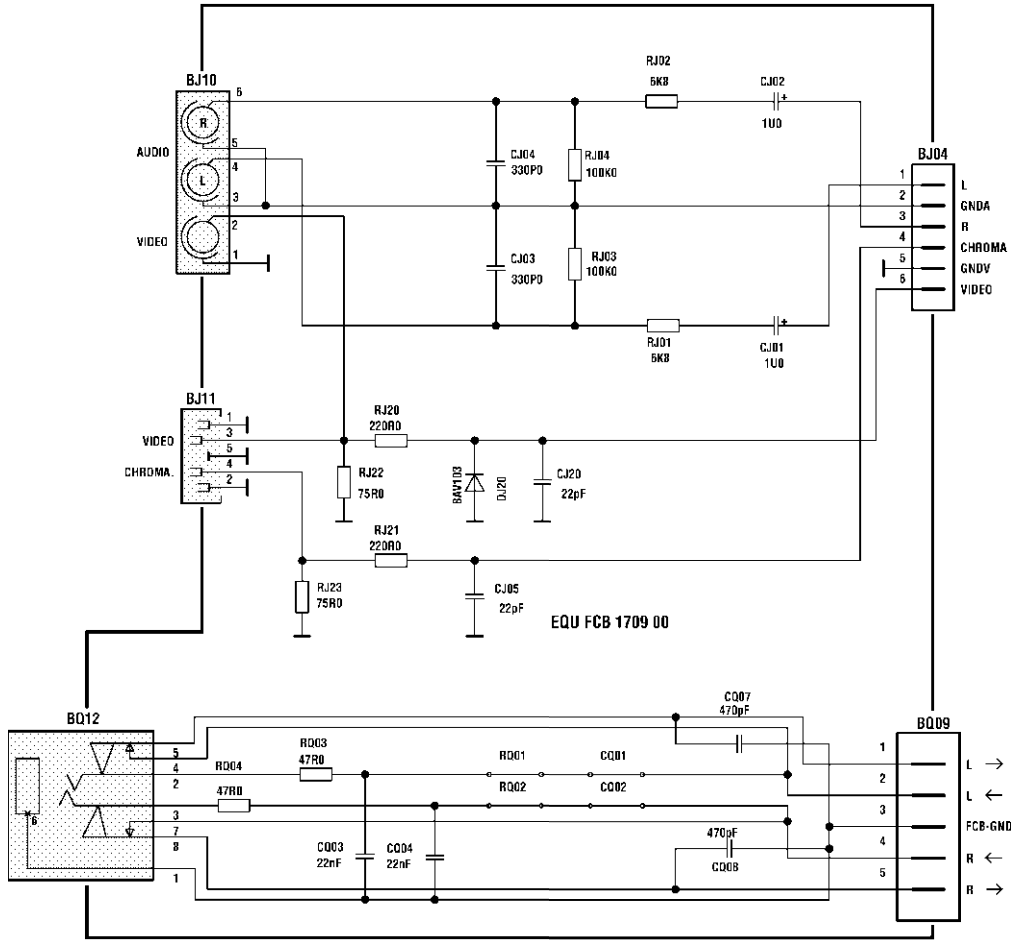

EQU KDB 1703 00
SM01
SM04
SM02
SM03
PR-
VOL+
PR+
VOL-
JM01
JM02
BM06
KEY IN 2
KEY IN 1
KEYB_B
KEYB_A
KDB-GND
+5V_ECO
IR
U_ECO
GR01
TFMT1330T
RR01
1K0
RR02
270R0
GE01
JU5351-JM
RE03
100R0
CR02
22U0
DR01
BZX55C5V1
DE01
BZX55C2V7

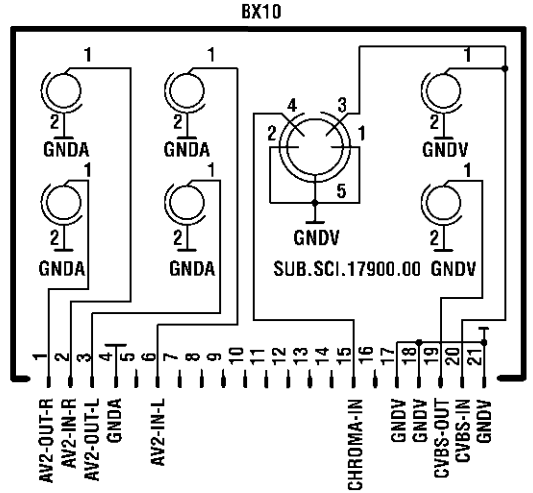

EQU FCB 1701 00
BJ10
VIDEO1
AUDIO
RJ02
6K8
CJ02
1U0
CJ04
330P0
RJ04
100K0
CJ03
RJ03
RJ01
CJ01
BJ04
L
GNDA
R
CHROMA
GNDV
VIDEO
BJ11
CHROMA1
RJ20
220R0
75R
RJ22
BAV21
DJ20
RJ21
RJ23
BQ12
BQ09
RQ05
RQ06
RQ01
RQ02
CQ01
CQ02
CQ03
3N3
CQ04
CQ05
470P0
CQ06
GND-HS

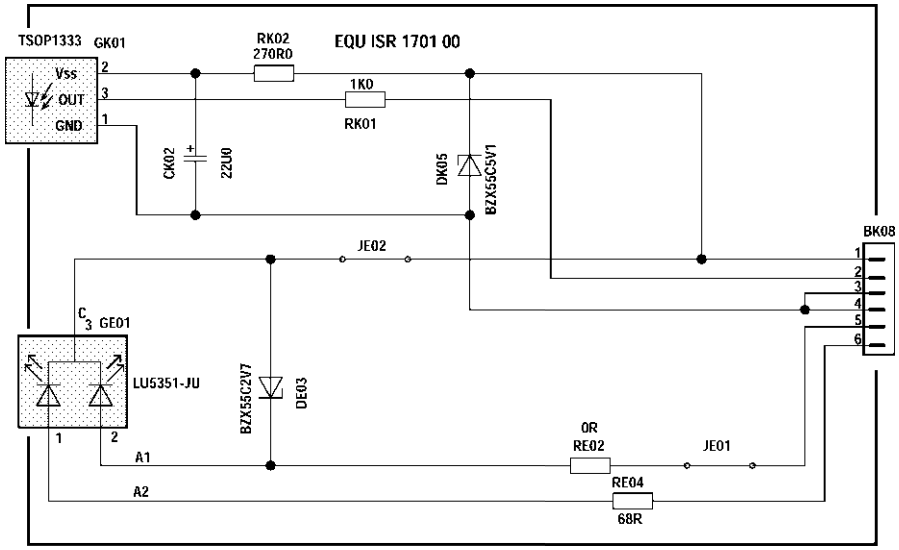

BQ12
470P0
CQ06
RQ03
330R0
RQ04
680R0
RQ01
RQ02
CQ02
10U0
CQ05
CQ03
3N3
CQ01
CQ04
BQ09
EQU FCB 1708 00
BK01
BK07
VOL+
PR-
VOL-
SK01
PR+
SK02

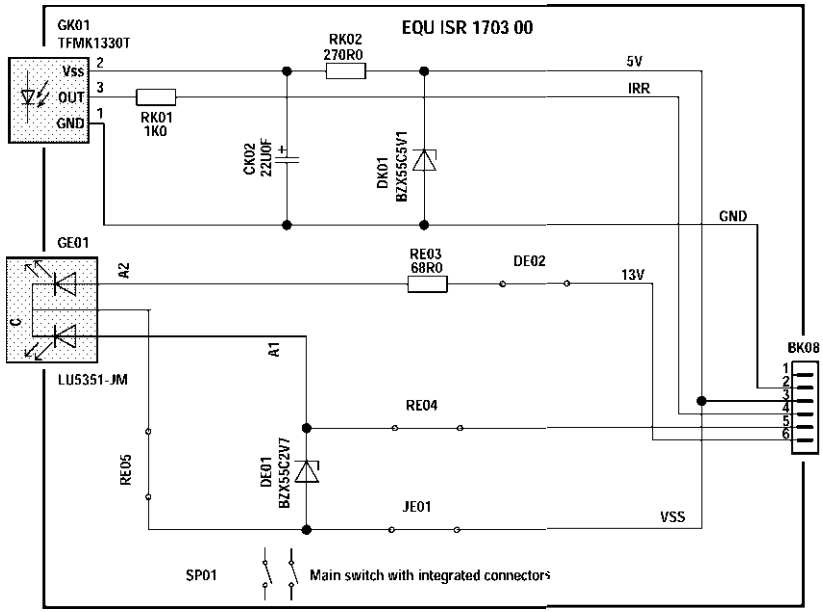


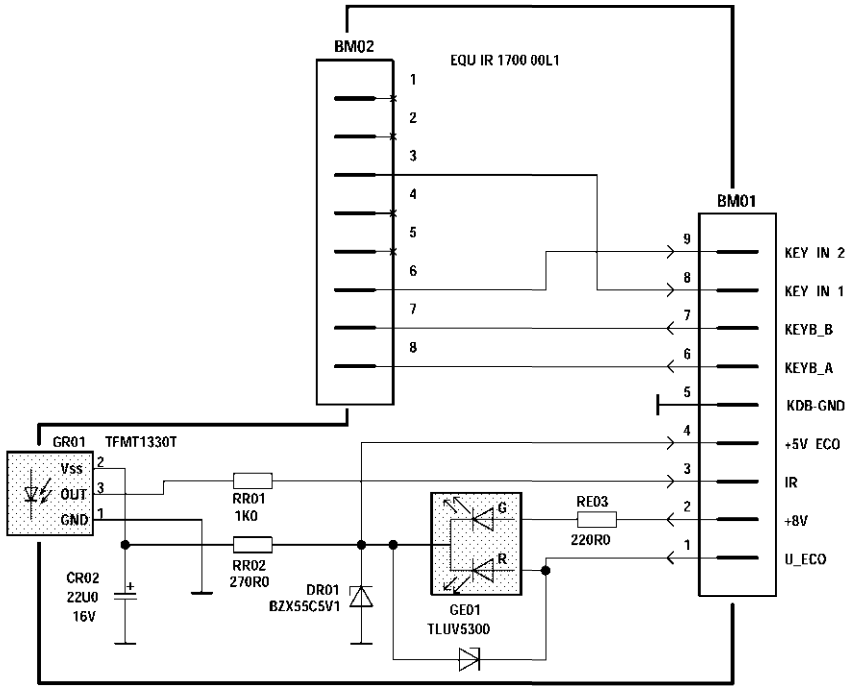

EQU FCB 1706 00
BJ10
LJ01
RJ02
6K8
CJ02
1U0
CJ04
330P0
RJ04
100K0
CJ03
330P0
RJ03
100K0
LJ02
RJ01
6K8
CJ01
1U0
BJ04
BJ11
VIDEO
RJ20
220R0
RJ22
75R0
DJ20
BAV21
CHROMA.
RJ21
220R0
RJ23
75R0
BQ12
BQ09
330R0
RQ03
RQD4
330R0
680R0
RQ01
RQ02
680R0
CQ01
10U0
CQ02
10U0
CQ05
470P0
CQ06
470P0
CQ03
3N3
CQ04
3N3
L
L
R
R
SKHTLC
SK01
VOL+
VOL-
SKHTLC
SK02
PR+
PR-
JK03
JK02
SP01
BK01
BK07

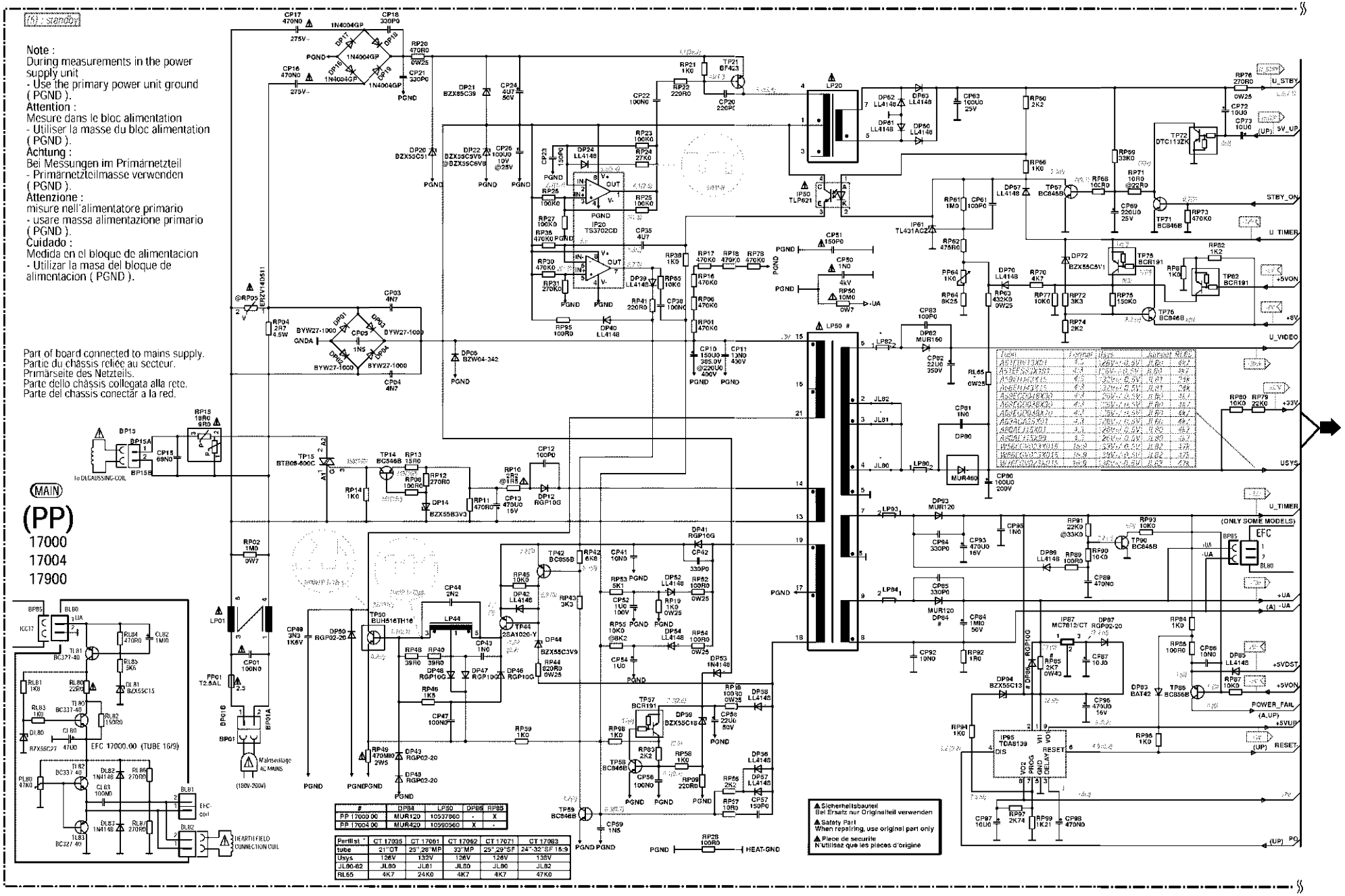

BJ10
AUDIO
VIDEO
RJ02
5K8
CJ02
1U0
CJ04
330P0
RJ04
100K0
CJ03
330P0
RJ03
100K0
RJ01
5K8
CJ01
1U0
BJ04
L
GNDA
R
CHROMA
GNDV
VIDEO
BJ11
VIDEO
CHROMA.
RJ20
220R0
RJ22
75R0
BAV103
DJ20
CJ20
22pF
RJ21
220R0
RJ23
75R0
CJ05
22pF
EQU FCB 1709 00
BQ12
CQ07
470pF
RQ04
47R0
RQ03
47R0
RQ01
RQ02
CQ01
CQ02
CQ03
22nF
CQ04
22nF
470pF
CQ08
BQ09
L
L
FCB-GND
R
R


BX10
GNDA
GNDA
GNDV
GNDA
GNDA
GNDV
SUB.SCI.17900.00
AV2-OUT-R
AV2-IN-R
AV2-OUT-L
GNDA
AV2-IN-L
CHROMA-IN
GNDV
GNDV
CVBS-OUT
CVBS-IN
GNDV


TSOP1333 GK01
Vss
OUT
GND
RK02
270R0
EQU ISR 1701 00
1K0
RK01
CK02
22U0
DK05
BZX55C5V1
BK08
JE02
C3 GE01
LU5351-JU
BZX55C2V7
DE03
0R
RE02
JE01
A1
A2
RE04
68R

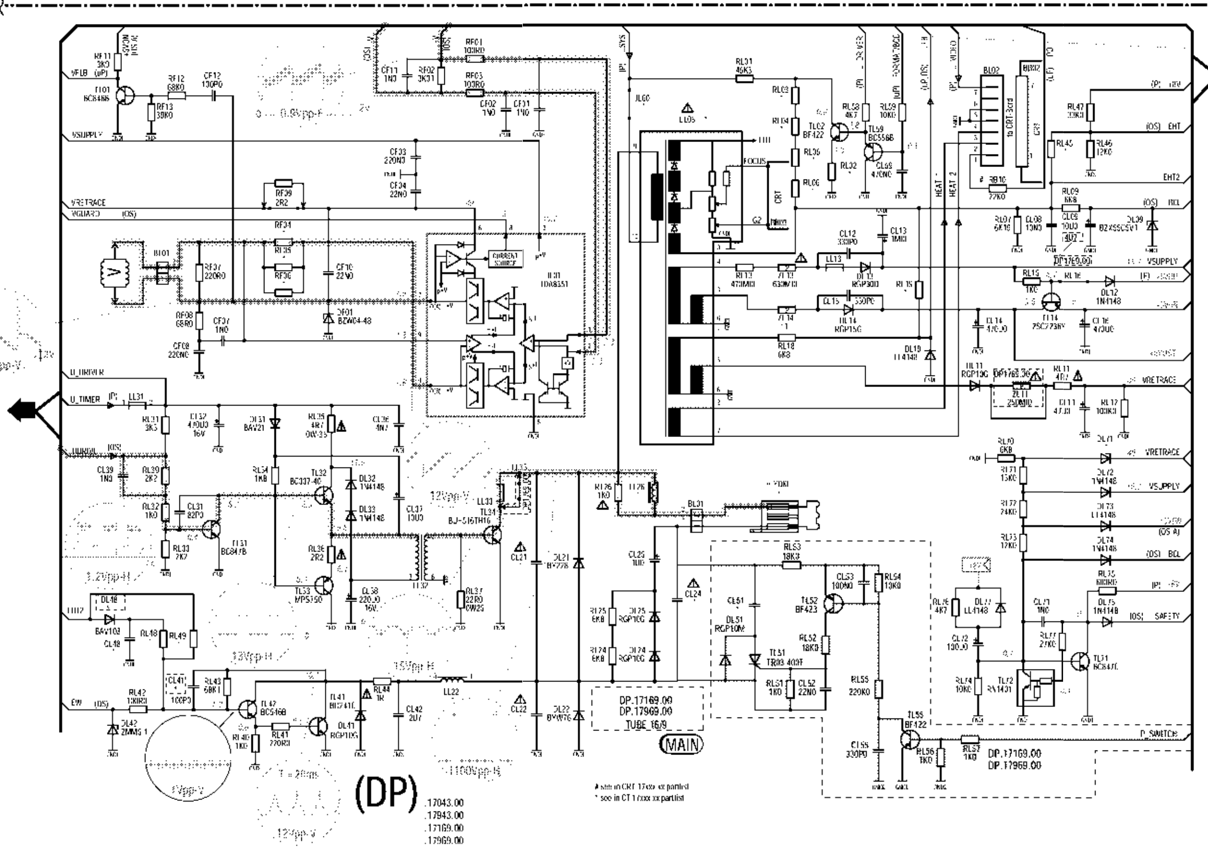

GK01
TFMK1330T
Vss
OUT
GND
RK02
270R0
EQU ISR 1703 00
5V
IRR
RK01
1K0
CK02
22U0F
DK01
BZX55C5V1
GND
GE01
A2
RE03
68R0
DE02
13V
C
LU5351-JM
A1
BK08
RE04
RE05
DE01
BZX55C2V7
JE01
VSS
SP01
Main switch with integrated connectors


BM02
EQU IR 1700 00L1
BM01
KEY IN 2
KEY IN 1
KEYB_B
KEYB_A
KDB-GND
+5V ECO
IR
+8V
U_ECO
GR01
TFMT1330T
Vss
OUT
GND
RR01
1K0
RR02
270R0
CR02
22U0
16V
DR01
BZX55C5V1
G
R
GE01
TLUV5300
RE03
220R0



#	DP84	LP50	DP86	RP88
FP 17000.00	MUR120	10537860	-	X
FP 17004.00	MUR420	10990560	X	-

Perilist °	CT 17035	CT 17061	CT 17062	CT 17071	CT 17083
tube	21"QT	25"/28"MP	33"MP	25"/29"SF	24"-32"SF 16:9
Usys	126V	133V	126V	126V	138V
JL80-82	JL80	JL81	JL80	JL80	JL82
RL65	4K7	24K0	4K7	4K7	47K0



	TV PSD CT 17062 26 TV ASY A80AEJ16X01 (A) 00
CL21	16N2F +3.5% -3.5% 1K6V
CL21	16N5F +3.5% -3.5% 2K0V
CL21A	16N5F +3.5% -3.5% 1K6V
CL22	30N0F +5% -5% 400.0V
CL22	30N0F +5% -5% 1K0V
CL24	560N0F +5% -5% 250.0V
CL41	100P0F +10% -10% 50.0V
CL48	10N0F +10% 63.0V
CL48	10N0F +10% 100.0V
DL48	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55B24 24V 500MIOW
DL71	D-ZENER BZX55C24 24V 500MIOW
DL71	D-ZENER BZX55C30 30V 500MIOW
JL60	WIREBARE 22
JL60	0 OHM +0% 100MIOW
LB02	LF 32U0H -4% -4%
LL05	TF-DST TDS29
LL22	LF 650U0H -5% -5%
LL22	LF 650U0H -5% -5% EAST-WEST
LL26	LL 26U5H +10%
LL26	LL 22U0H +10%
RF05	1R0 OHM +1% 700MIOW
RF05	1R21 OHM +1% 700MIOW
RF06	10R0 OHM +1% +100PPM/°C 100MIOW
RL02	6K2 OHM +5% 100MIOW 1004 A3 00
RL02	6K04 OHM +1% +100PPM/°C 100MIOW
RL03	4K75 OHM +1% +100PPM/°C 100MIOW
RL04	4K75 OHM +1% +100PPM/°C 100MIOW
RL05	4K75 OHM +1% +100PPM/°C 100MIOW
RL06	6K81 OHM +1% +100PPM/°C 100MIOW
RL06	10K0 OHM +1% +100PPM/°C 100MIOW
RL19	13K0 OHM +5% 100MIOW
RL45	150K0 OHM +5% 100MIOW
RL48	76K8 OHM +1% +100PPM/°C 100MIOW
RL49	560K0 OHM -5% 100MIOW
RL65	4K7 OHM +5% 250MIOW
RV20	23K7 OHM +1% 250MIOW
RV20	33K2 OHM +1% 250MIOW

	TV PSD CT 17035 26 TV ASY A61EFS83X191 03
CL21	8N3F +3.5% -3.5% 2K0V
CL21	8N3F +3.5% -3.5% 1K6V
CL21	8N6F +3.5% -3.5% 1K6V
CL21A	6N3F -3.5% -3.5% 1K6V
CL22	33N0F -5% -5% 400.0V
CL22	30N0F +5% -5% 400.0V
CL22	33N0F -5% -5% 1K0V
CL24	440N0F +5% -5% 400.0V
CL24	440N0F +5% -5% 250.0V
CL24	440N0F +5% -5% 250.0V
CL24A	440N0F +5% -5% 250.0V
CL41	1N0F +10% -10% 50.0V
CL48	100N0F +5% 63.0V
DL71	D-ZENER BZX55C20 20V 500MIOW
DL71	D-ZENER BZX55C24 24V 500MIOW
DL71	D-ZENER BZX55C30 30V 500MIOW
JL60	WIREBARE 22
JL80	0 OHM +0%
JP61	0 OHM +0%
LB02	LF 18U0H +7% -7%
LB02	LF 21U0H +5% -5%
LL05	F-DST M30FBC3 10555640 3087
LL22	LF 650U0H +5% -5%
LL22	LF 650U0H +5% -5% EAST-WEST
LL26	LL 85U0H 2519 A0
LL26	LL 39U0H +10%
RF04	1R21 OHM +1% 700MIOW
RF05	1R21 OHM -1% 700MIOW
RF05	1R5 OHM +1% 700MIOW
RF06	10R0 OHM -1% +100PPM/°C
RL02	6K2 OHM +5%
RL02	6K04 OHM +1% +100PPM/°C
RL03	10K0 OHM +1% -100PPM/°C
RL04	10K0 OHM +1% -100PPM/°C
RL04	20K0 OHM +1% -100PPM/°C
RL05	10K0 OHM +1% +100PPM/°C
RL0	20K0 OHM +1% +100PPM/°C
RL06	10K0 OHM +1% -100PPM/°C
RL06	3K32 OHM +1% -100PPM/°C
RL11	4R7 OHM +10% 250MIOW
RL11	4R7 OHM +5% 250MIOW
RL19	16K0 OHM +5%
RL43	68K1 OHM +1% 250MIOW
RL43	68K1 OHM +1% -100PPM/°C
RL45	62K0 OHM +5%
RL45	110K0 OHM +5%
RL45	470K0 OHM +5%
RL46	12K0 OHM +5%
RL47	33K0 OHM +5%
RL48	100K0 OHM +1% +100PPM/°C
RL49	76K8 OHM +1% -100PPM/°C
RL49	60K4 OHM +1% +100PPM/°C
RL64	8K25 OHM +1% +100PPM/°C
RL65	4K7 OHM -5% 250MIOW
RV20	3K7 OHM +1% 250MIOW
RV20	33K2 OHM -1% 250MIOW
RV20	33K7 OHM +1% +100PPM/°C
ZL13	MP63 630MIO A 65.0V

	TV ASY A59EHJ43X15 00 TV ASY A66EHJ43X15 00 TV PSD CT 17061 32
CL21	14N4F +3.5% -3.5% 1K6V
CL21	14N4F +3.5% -3.5% 1K6V
CL21	14N0F +3.5% -3.5% 1K6V
CL22	30N0F +5% -5% 400.0V
CL22	30N0F +5% -5% 400.0V
CL22	30N0F +5% -5% 1K0V
CL24	440N0F +5% -5% 400.0V
CL24	470N0F +5% -5% 250.0V
CL24	440N0F +5% -5% 250.0V
CL24	440N0F +5% -5% 250.0V
CL24A	440N0F +5% -5% 250.0V
CL41	100P0F -10% -10% 50.0V
CL48	10N0F +10% 63.0V
CL48	10N0F +10% 100.0V
DL46	BAV103 200.0V
DL71	BZX55B24 24V 500MIOW
DL71	BZX55C24 24V 500MIOW
DL71	BZX55C30 30V 500MIOW
JL60	WIREBARE 22
JL81	0 OHM +0% 100MIOW
JP80	0 OHM +0% 100MIOW
LB02	13U5H +5% -5%
LB02	16U0H +7% -7%
LB02	21U0H +5% -5%
LB02	21U0H +5% -5%
LL05	TF-DST M30FBC3 10546610 3087
LL05	TF-DST M30FBC3 10600190 3087
LL05	TF-DST M30FBC3 10608680 3087
LL22	650U0H +5% -5%
LL22	650U0H +5% -5% EAST-WEST
LL26	26U5H +10%
LL26	30U5H 2519 A0
RF04	1R21 OHM -1% 700MIOW
RF05	1R0 OHM +1% 700MIOW
RF05	1R21 OHM +1% 700MIOW
RF06	12R1 OHM +1% +100PPM/°C 100MIOW
RL02	10K0 OHM +5% 100MIOW
RL02	6K04 OHM +1% -100PPM/°C 100MIOW
RL02	499R0 OHM +1% +100PPM/°C 100MIOW
RL03	10K0 OHM +1% +100PPM/°C 100MIOW
RL03	11K5 OHM +1% +100PPM/°C 100MIOW
RL04	10K0 OHM +1% -100PPM/°C 100MIOW
RL04	20K0 OHM +1% -100PPM/°C 100MIOW
RL04	11K5 OHM +1% -100PPM/°C 100MIOW
RL05	10K0 OHM +1% -100PPM/°C 100MIOW
RL05	20K0 OHM +1% +100PPM/°C 100MIOW
RL06	11K5 OHM +1% -100PPM/°C 100MIOW
RL06	8K25 OHM +1% -100PPM/°C 100MIOW
RL06	4K75 OHM +1% -100PPM/°C 100MIOW
RL06	9K09 OHM +1% -100PPM/°C 100MIOW
RL06	11K5 OHM +1% +100PPM/°C 100MIOW
RL11	4R7 OHM +10% 250MIOW
RL11	4R7 OHM +5% 250MIOW
RL19	22K0 OHM +5% 100MIOW
RL19	33K0 OHM +5% 100MIOW
RL43	68K1 OHM +1% 250MIOW
RL43	68K1 OHM +1% 250MIOW
RL43	68K1 OHM +1% -100PPM/°C 100MIOW
RL45	160K0 OHM +5% 100MIOW
RL45	270K0 OHM +5% 100MIOW
RL46	12K0 OHM +5% 100MIOW
RL47	33K0 OHM +5% 100MIOW
RL48	76K8 OHM +1% -100PPM/°C 100MIOW
RL46	60K4 OHM +1% -100PPM/°C 100MIOW
RL64	8K25 OHM +1% -100PPM/°C 100MIOW
RL65	24K0 OHM +5% 250MIOW
RV20	33K2 OHM +1% 250MIOW
RV20	33K2 OHM +1% -100PPM/°C 100MIOW
ZL13	MP63 630MIO A 65.0V

	TV PSD CT 17083 36 TV ASY W56EGV023X015 56 01 TV ASY W56EGV023X015 56 01 TV ASY W66EGV023X015 66 00 TV ASY W66EGV023X015 66 00 TV ASY W66EGV023X015 66 01 TV ASY W76EGV023X015 (A) 00 TV ASY W76EGV023X015 (A) 00
CL2	14N4F +3.5% -3.5% 1K6V
CL21	16N5F +3.5% -3.5% 1K6V
CL21	16N0F +3.5% -3.5% 2K0V
CL21A	15N0F +3.5% -3.5% 1K6V
CL22	27N0F +5% -5% 400.0V
CL22	27N0F +5% -5% 1K0V
CL24	440N0F -5% -5% 250.0V
CL24	440N0F -5% -5% 400.0V
CL24	440N0F +5% -5% 250.0V
CL41	100P0F +10% -10% 50.0V
CL48	100N0F -5% 63.0V
CL51	90N0F +5% -5% 250.0V
CL51	290N0F -5% -5% 400.0V
DL48	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55C20 20V 500MIOW
DL71	D-ZENER BZX55C24 24V 500MIOW
JL60	WIREBARE 22
JL62	0 OHM +0%
IP80	0 OHM +0%
IP81	0 OHM +0%
LB02	LF 25U0H -4% -4%
LB02	LF 32U0H -4% -4%
LL05	TF-DST TDS29
LL22	LF 650U0H +5% -5%
LL22	LF 650U0H +5% -5% EAST-WEST
LL26	LL 26U5H -10%
LL26	LL 30U5H 2519 A0
RF04	1R21 OHM +1% 700MIOW
RF05	1R21 OHM +1% 700MIOW
RF05	1R5 OHM +1% 700MIOW
RF06	10R0 OHM +1% -100PPM/°C
RL02	4K99 OHM -1% +100PPM/°C
RL02	4K75 OHM -1% +100PPM/°C
RL02	6K04 OHM -1% +100PPM/°C
RL03	6K49 OHM +1% +100PPM/°C
RL03	8K87 OHM +1% +100PPM/°C
RL04	6K49 OHM -1% +100PPM/°C
RL04	8K87 OHM -1% +100PPM/°C
RL04	10K0 OHM -1% +100PPM/°C
RL05	6K49 OHM +1% +100PPM/°C
RL05	8K87 OHM +1% +100PPM/°C
RL05	10K0 OHM -1% +100PPM/°C
RL06	6K49 OHM -1% +100PPM/°C
RL06	8K87 OHM -1% +100PPM/°C
RL06	3K32 OHM +1% +100PPM/°C
RL06	2K37 OHM +1% +100PPM/°C
RL11	4R7 OHM -10% 250MIOW
RL11	4R7 OHM -5% 250MIOW
RL19	15K0 OHM -5%
RL19	13K0 OHM +5%
RL43	68K1 OHM +1% 250MIOW
RL43	68K1 OHM -1% +100PPM/°C
RL45	470K0 OHM +5%
RL45	390K0 OHM +5%
RL46	12K0 OHM +5%
RL47	33K0 OHM +5%
RL48	1K0 OHM +5%
RL48	220K0 OHM +5%
RL48	237K0 OHM +1% +100PPM/°C
RL49	180K0 OHM +5%
RL49	143K0 OHM +1% +100PPM/°C
RL64	8K25 OHM -1% +100PPM/°C
RL65	47K0 OHM -5% 250MIOW
RV20	100K0 OHM +1% 250MIOW
RV20	33K2 OHM -1% +100PPM/°C
RV20	100K0 OHM +1% 250MIOW
ZL13	MP63 630MIO A 65.0V

	TV ASY A66EHJ43X85 01 TV PSD CT 17961 32
CL21	CFS 14N4F +3.5% -3.5% 1K6V
CL21	CFS 14N4F +3.5% -3.5% 1K6V
CL22	CFS 30N0F +5% -5% 400.0V
CL22	CFS 30N0F +5% -5% 1K0V
CL24	CFS 440N0F -5% -5% 400.0V
CL24	CFS 440N0F +5% -5% 250.0V
CL24A	CFS 440N0F -5% -5% 250.0V
CL41	CCCMIN 100P0F +10% -10% 50.0V
CL48	CPM 10N0F -10% 100.0V
DL46	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55B24 24V 500MIOW
DL71	D-ZENER BZX55C24 24V 500MIOW
JL60	WIREBARE 22
JL81	RCFCCMIN 0 OHM -0% 100MIOW
LB02	LF 21U0H +5% -5%
LL05	TF-DST M30FBC3 10600190 3087
LL05	TF-DST M30FBC3 10608680 3087
LL22	LF 650U0H +5% -5%
LL22	LF 650U0H +5% -5% EAST-WEST
LL26	LL 26U5H +10%
RL05	RMF 1R0 OHM +1% 700MIOW
RL07	RCFCCMIN 10K0 OHM +5% 100MIOW
RL03	RMFCCMIN 10K0 OHM +1% +100PPM/°C 100MIOW
RL04	RMFCCMIN 10K0 OHM +1% +100PPM/°C 100MIOW
RL05	RMFCCMIN 10K0 OHM +1% +100PPM/°C 100MIOW
RL06	RMFCCMIN 8K25 OHM +1% +100PPM/°C 100MIOW
RL06	RMFCCMIN 4K75 OHM +1% +100PPM/°C 100MIOW
RL06	RMFCCMIN 9K09 OHM +1% +100PPM/°C 100MIOW
RL19	RCFCCMIN 22K0 OHM +5% 100MIOW
RL45	RCFCCMIN 160K0 OHM +5% 100MIOW
RL48	RMFCCMIN 76K8 OHM +1% +100PPM/°C 100MIOW
RL65	RCF 24K0 OHM +5% 250MIOW
RV20	RMF 33K2 OHM +1% 250MIOW

	TV ASY A68EGD03BX70 (A) 68 00 TV PSD CT 17971 26
CL21	16N2F -3.5% -3.5% 1K6V
CL21	16N2F +3.5% -3.5% 2K0V
CL21A	16N2F +3.5% -3.5% 1K6V
CL22	30N0F -5% -5% 400.0V
CL22	30N0F -5% -5% 1K0V
CL24	510N0F -5% -5% 250.0V
CL24	510N0F -5% -5% 250.0V
CL41	100P0F +10% -10% 50.0V
CL48	10N0F -10% 100.0V
DL48	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55B24 24V 500MIOW
DL71	D-ZENER BZX55C24 24V 500MIOW
JL60	WIREBARE 22
JL80	0 OHM +0% 100MIOW
LB02	LF 32U0H -4% -4%
LL05	TF-DST TDS29
LL22	LF 650U0H +5% -5%
LL22	LF 650U0H +5% -5% EAST-WEST
LL26	LL 26U5H +10%
LL26	LL 22U0H -10%
RF05	1R0 OHM -1% 700MIOW
RL02	6K8 OHM +5% 100MIOW 1004 A3 00
RL03	4K75 OHM +1% +100PPM/°C 100MIOW
RL04	4K75 OHM +1% +100PPM/°C 100MIOW
RL05	4K75 OHM -1% +100PPM/°C 100MIOW
RL06	4K75 OHM -1% +100PPM/°C 100MIOW
RL19	15K0 OHM -5% 100MIOW
RL45	180K0 OHM +5% 100MIOW
RL48	100K0 OHM +5% 100MIOW
RL49	300K0 OHM +5% 100MIOW
RL65	4K7 OHM +5% 250MIOW
RV20	33K2 OHM -1% 250MIOW

	TV PSD CT 17962 26 TV ASY A60AEJ16X99 60 00
CL21	16N5F +3.5% -3.5% 2K0V
CL21A	16N5F +3.5% -3.5% 1K6V
CL22	30N0F +5% -5% 1K0V
CL24	560N0F -5% -5% 250.0V
CL41	100P0F +10% -10% 50.0V
CL48	10N0F +10% 100.0V
DL48	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55B24 24V 500MIOW
DL71	D-ZENER BZX55C24 24V 500MIOW
JL60	WIREBARE 22
JL60	0 OHM +0%
LB02	LF 32U0H +4% -4%
LL05	TF-DST TDS29
LL22	LF 650U0H +5% -5%
LL22	LF 650U0H +5% -5% EAST-WEST
LL26	LL 22U0H -10%
RL05	1R0 OHM +1% 700MIOW
RL07	6K2 OHM +5%
RL03	4K75 OHM -1% +100PPM/°C
RL04	4K75 OHM -1% +100PPM/°C
RL05	4K75 OHM -1% +100PPM/°C
RL06	10K0 OHM +1% +100PPM/°C
RL19	13K0 OHM +5%
RL45	150K0 OHM +5%
RL48	76K8 OHM -1% +100PPM/°C
RL49	560K0 OHM +5%
RL65	4K7 OHM +5% 250MIOW
RV20	33K2 OHM +1% 250MIOW

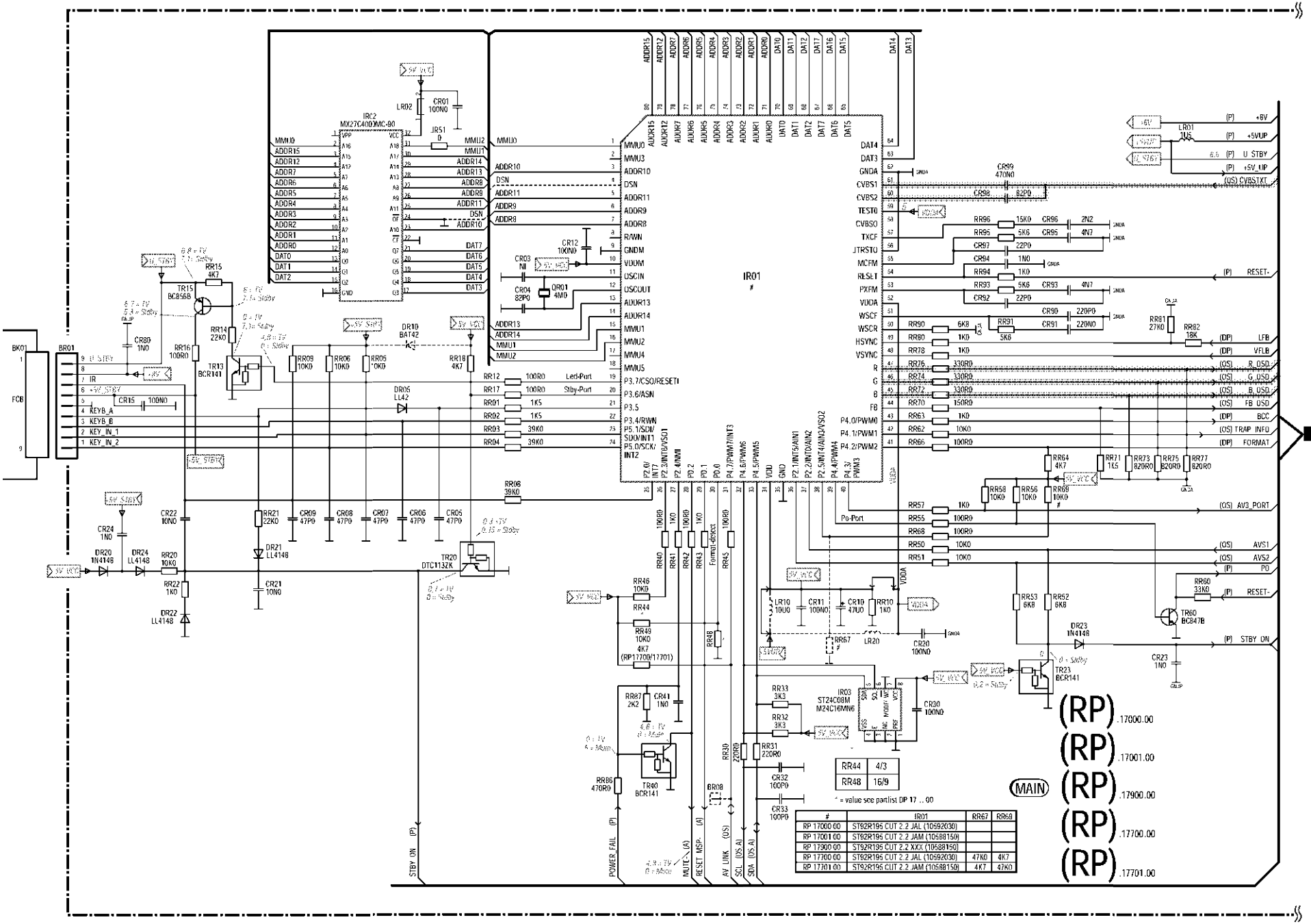
⚠ Indicates critical safety components, and identical components should be used for replacement. Only then can the operational safety be garanteed.

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.

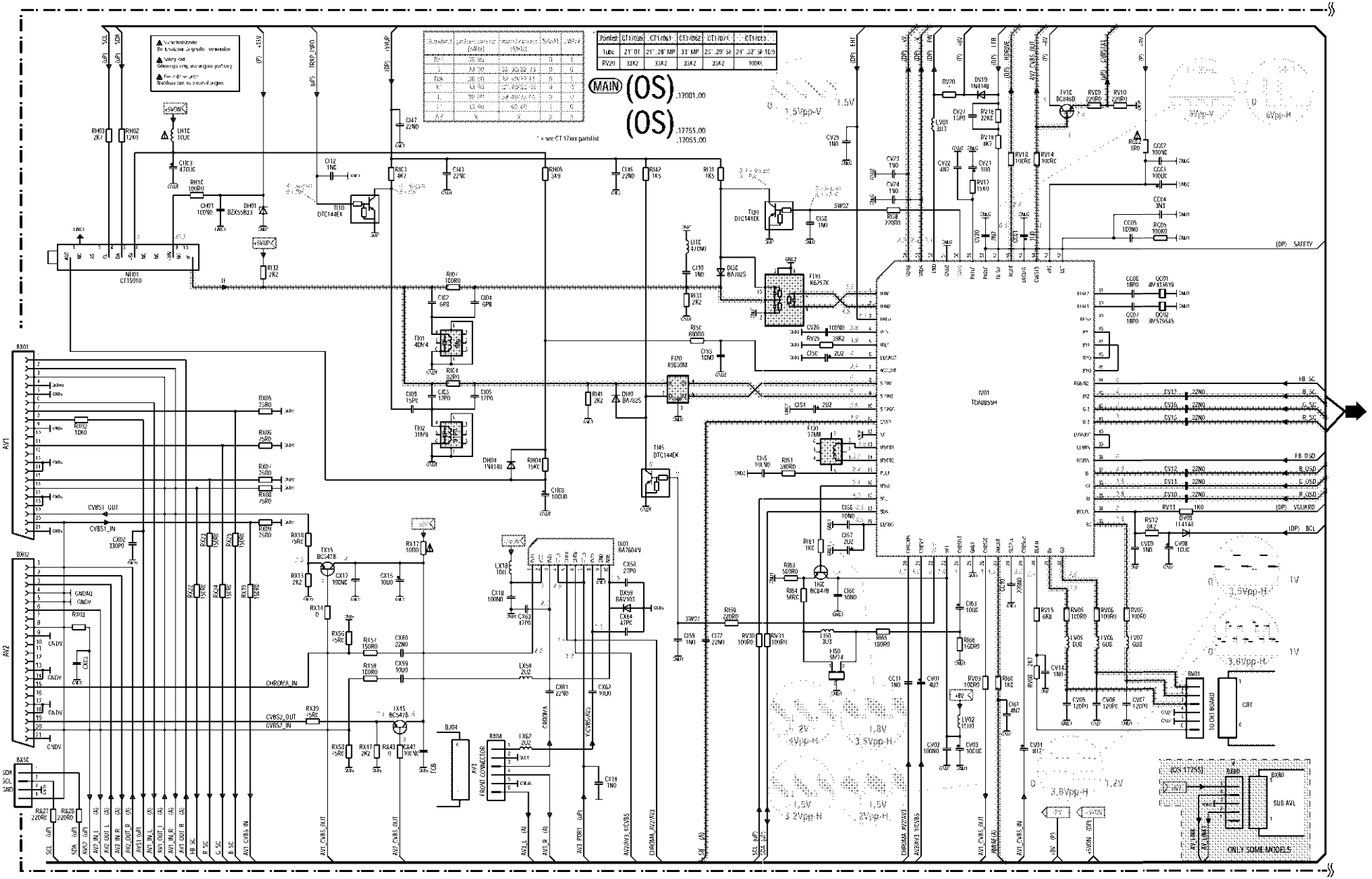
Wenn Sicherheitsteile (mit dem Symbol ⚠ gekennzeichnet) durch nicht normgerechte Teile ersetzt werden, erlischt die Haftung des Herstellers.

La sostituzione degli elementi di sicurezza (contrassegnati con il segno ⚠) con componenti non omologati secondo la norma CEI 65 comporta la non conformitá dell'apparecchio.
In tal caso é "esclusa la responsabilitá" del costruttore.

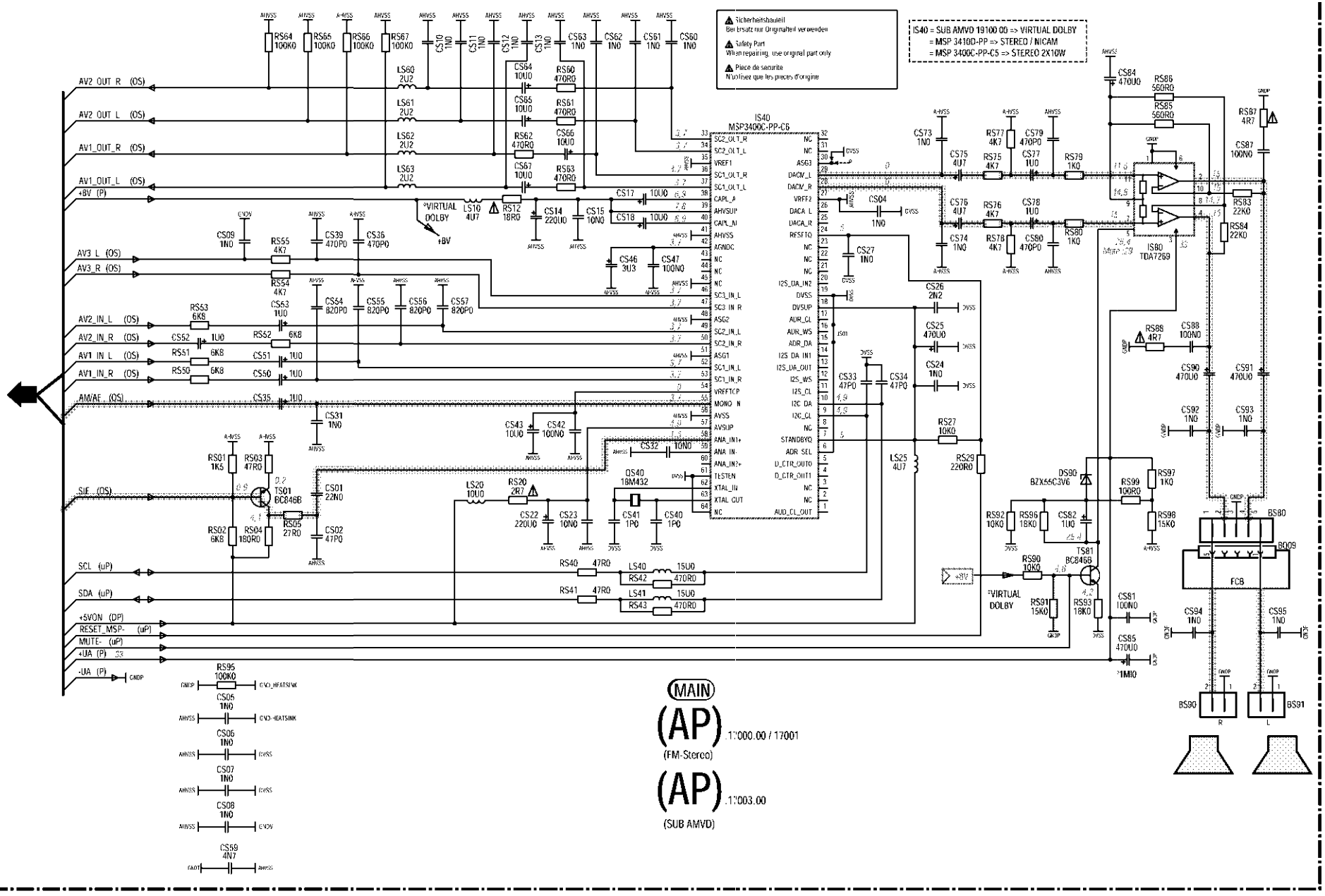
La subtitución de elementos de seguridad (marcados con el simbolo ⚠) por componentes no homologados segun la norma CEI 65, provoca la no conformidad del aparato.
En ese caso, el fabricante cesa de ser responsable.


IR01
IR02 MX27C4000MC-90
IR03 ST24C08M M24C16MN6
MAIN
(RP) .17000.00
(RP) .17001.00
(RP) .17900.00
(RP) .17700.00
(RP) .17701.00
RR44 4/3
RR48 16/9
* = value see partlist DIP 17 .. 00
# IR01 RR67 RR68
RP 17000 00 ST92R195 CUT 2.2 JAL (10592030)
RP 17001 00 ST92R195 CUT 2.2 JAM (10588150)
RP 17900 00 ST92R195 CUT 2.2 XXX (10588150)
RP 17700 00 ST92R195 CUT 2.2 JAL (10592030) 47K0 4K7
RP 17701 00 ST92R195 CUT 2.2 JAM (10588150) 4K7 47K0

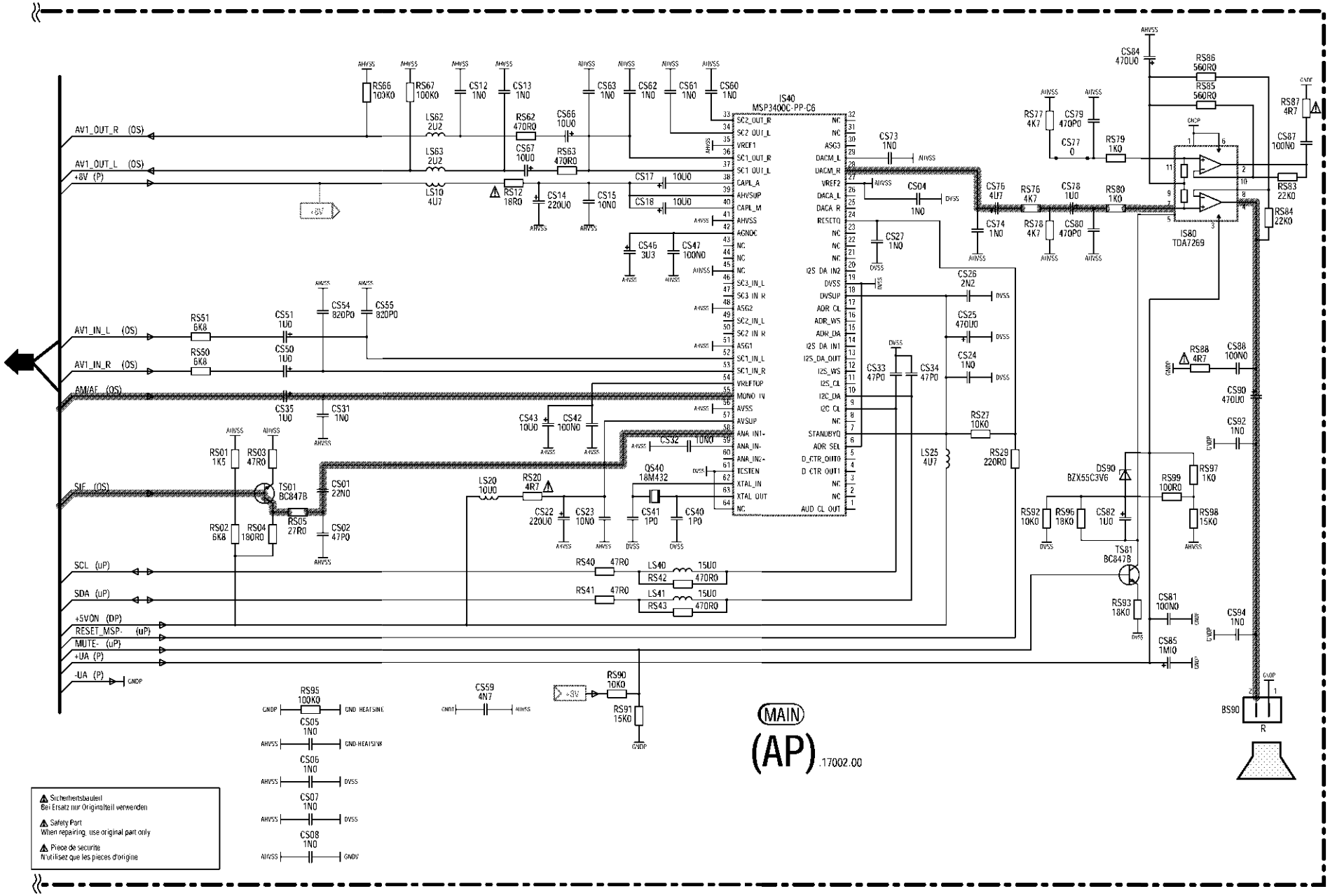
RF/FI/ SCART INTERFACE/VIDEO SIGNAL PROCESSING -HF/FI INTERFACE PERITELEVISION/TRAITEMENT LUMINANCE CHROMINANCE - HF/ZF/ SCART INTERFACE/VIDEO SIGNALVERARBEITUNG - RF/FI /PRESA PERITEL/ELABORAZIONE VIDEO - RF/FI /EUROCONECTOR / TRATAMENTO VIDEO



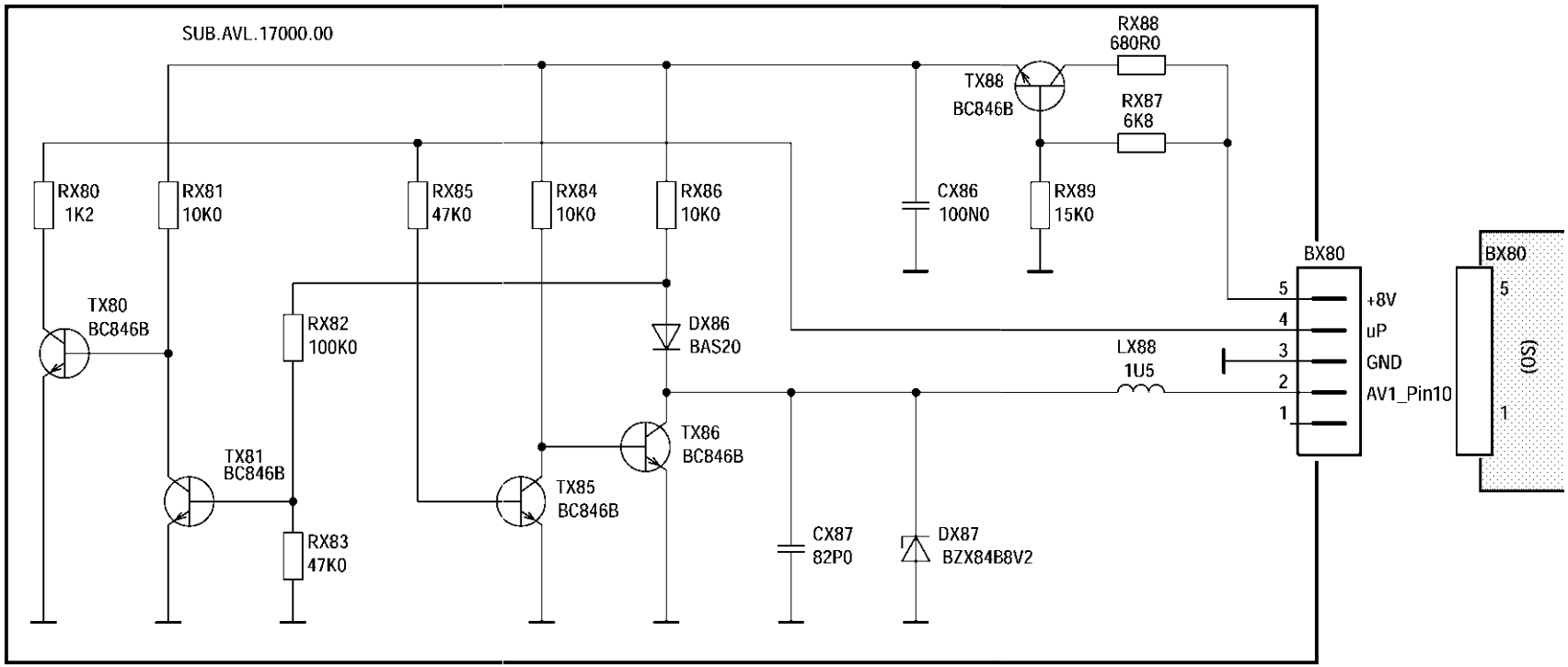
AMPLIFIER SCHEMATIC DIAGRAM - SCHEMA DE L'AMPLIFICATEUR - SCHALTBILD AUDIO-SIGNALVERABEITUNG - SCHEMA DELL' AMPLIFICATORE
ESQUEMA DEL AMPLIFICADOR
(STEREO)

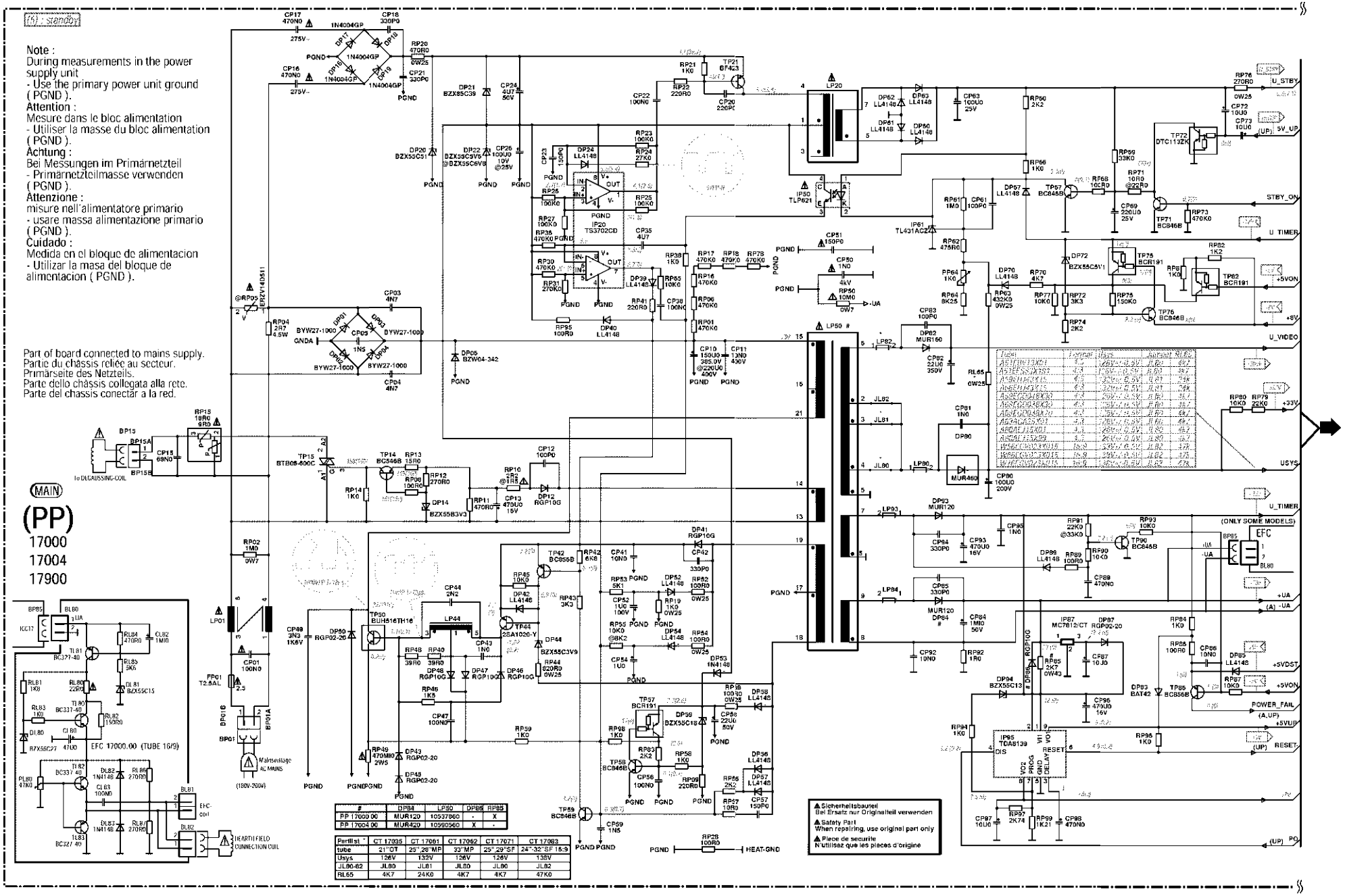


AMPLIFIER SCHEMATIC DIAGRAM - SCHEMA DE L'AMPLIFICATEUR - SCHALTBILD AUDIO-SIGNALVERABEITUNG - SCHEMA DELL' AMPLIFICATORE - ESQUEMA DEL AMPLIFICADOR
(MONO)



SUB AVL 17000

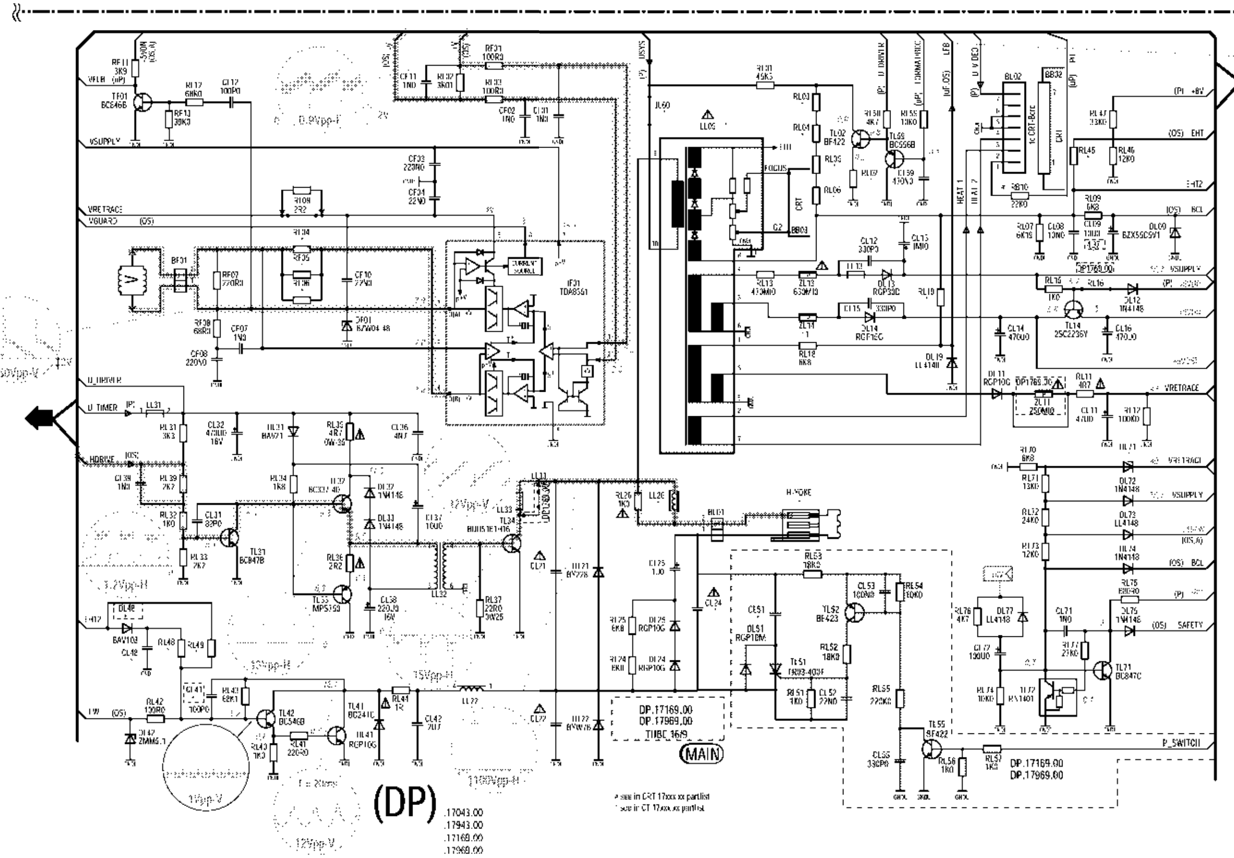




#	DP84	LP50	DP86	RP88
FP 17000.00	MUR120	10537860	-	X
FP 17004.00	MUR420	10990560	X	-

Perilist °	CT 17035	CT 17061	CT 17062	CT 17071	CT 17083
tube	21"CT	25",28"MP	33"MP	25",29"SF	24",32"SF 16:9
Usys	126V	133V	126V	126V	138V
JL80-82	JL80	JL81	JL80	JL80	JL82
RL65	4K7	24K0	4K7	4K7	47K0

SCANNING - BALAYAGE - ABLENKUNG - BARRIDO - SCANSIONE



	TV PSD CT 17062 26 TV ASY A80AEJ15X01 (A) 00
CL21	16N2F −3.5% -3.5% 1K6V
CL21	16N5F +3.5% -3.5% 2K0V
CL21A	16N5F +3.5% -3.5% 1K6V
CL22	30N0F −5% -5% 400.0V
CL22	30N0F −5% -5% 1K0V
CL24	560N0F +5% -5% 250.0V
CL41	100P0F +10% -10% 50.0V
CL48	10N0F −10% 63.0V
CL46	10N0F −10% 100.0V
DL48	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55B24 24V 500MI0W
DL71	D-ZENER BZX55C24 24V 500MI0W
DL71	D-ZENER BZX55C30 30V 500MI0W
JL60	WIREBARE 22
JL80	0 OHM +0% 100MI0W
LB02	LF 32U0H +4% -4%
LL05	TF-DST TDS29
LL22	LF 650U0H +5% -5%
LL22	LF 650U0H +5% -5% EAST-WEST
LL26	LL 26U5H +10%
LL26	LL 22U0H +10%
RF05	1R0 OHM +1% 700MI0W
RF05	1R21 OHM +1% 700MI0W
RF06	10R0 OHM −1% +100PPM/°C 100MI0W
RL02	6K2 OHM +5% 100MI0W 1004 A3 00
RL02	6K04 OHM +1% +100PPM/°C 100MI0W
RL03	4K75 OHM +1% +100PPM/°C 100MI0W
RL04	4K75 OHM +1% −100PPM/°C 100MI0W
RL05	4K75 OHM +1% −100PPM/°C 100MI0W
RL06	6K61 OHM +1% −100PPM/°C 100MI0W
RL06	10K0 OHM +1% +100PPM/°C 100MI0W
RL19	13K0 OHM +5% 100MI0W
RL45	150K0 OHM +5% 100MI0W
RL48	76K8 OHM +1% −100PPM/°C 100MI0W
RL49	560K0 OHM +5% 100MI0W
RL65	4K7 OHM +5% 250MI0W
RV20	23K7 OHM −1% 250MI0W
RV20	33K2 OHM −1% 250MI0W

	TV PSD CT 17035 76 TV ASY A51EFS83X191 03
CL21	8N3F +3.5% -3.5% 2K0V
CL21	8N3F +3.5% -3.5% 1K6V
CL21	8N8F +3.5% -3.5% 1K6V
CL21A	8N3F −3.5% -3.5% 1K6V
CL22	33N0F +5% -5% 400.0V
CL22	30N0F +5% -5% 400.0V
CL22	33N0F +5% -5% 1K0V
CL24	440N0F −5% -5% 400.0V
CL24	440N0F −5% -5% 250.0V
CL24	440N0F −5% -5% 250.0V
CL24A	440N0F +5% -5% 250.0V
CL41	1N0F +10% -10% 50.0V
CL48	100N0F −5% 63.0V
DL71	D-ZENER BZX55C20 20V 500MI0W
DL71	D-ZENER BZX55C24 24V 500MI0W
DL71	D-ZENER BZX55C30 30V 500MI0W
JL60	WIREBARE 22
JL80	0 OHM −0%
JP81	0 OHM +0%
LB02	LF 18U0H +7% -7%
LB02	LF 21U0H +5% -5%
LL05	F-DST M30FBC3 10555640 3087
LL22	LF 650U0H +5% -5%
LL22	LF 650U0H +5% -5% EAST-WEST
LL26	LL 85U0H 2519 A0
LL26	LL 39U0H −10%
RF04	1R21 OHM +1% 700MI0W
RF05	1R21 OHM +1% 700MI0W
RF05	1R5 OHM +1% 700MI0W
RF06	10R0 OHM +1% −100PPM/°C
RL02	6K2 OHM −5%
RL02	6K04 OHM +1% +100PPM/°C
RL03	10K0 OHM +1% +100PPM/°C
RL04	10K0 OHM +1% +100PPM/°C
RL04	20K0 OHM +1% +100PPM/°C
RL05	10K0 OHM +1% +100PPM/°C
RL0	20K0 OHM +1% +100PPM/°C
RL06	10K0 OHM +1% +100PPM/°C
RL06	3K32 OHM +1% +100PPM/°C
RL11	4R7 OHM +10% 250MI0W
RL11	4R7 OHM +5% 250MI0W
RL19	18K0 OHM +5%
RL43	66K1 OHM +1% 250MI0W
RL43	68K1 OHM +1% +100PPM/°C
RL45	82K0 OHM +5%
RL45	110K0 OHM +5%
RL45	470K0 OHM +5%
RL46	12K0 OHM +5%
RL47	33K0 OHM +5%
RL48	100K0 OHM +1% −100PPM/°C
RL49	76K6 OHM +1% +100PPM/°C
RL49	60K4 OHM +1% +100PPM/°C
RL64	8K25 OHM +1% +100PPM/°C
RL65	4K7 OHM −5% 250MI0W
RV20	3K7 OHM +1% 250MI0W
RV20	33K7 OHM +1% 250MI0W
RV20	33K7 OHM +1% +100PPM/°C
ZL13	MP63 630MI0 A 65.0V

	TV ASY A59EHJ43X15 00 TV ASY A66EHJ43X15 00 TV PSD CT 17061 32
CL21	14N4F +3.5% -3.5% 1K6V
CL21	14N4F +3.5% -3.5% 1K6V
CL21	14N0F +3.5% -3.5% 1K5V
CL22	30N0F +5% -5% 400.0V
CL22	30N0F +5% -5% 400.0V
CL22	30N0F +5% -5% 1K0V
CL24	440N0F −5% -5% 400.0V
CL24	470N0F −5% -5% 250.0V
CL24	440N0F −5% -5% 250.0V
CL24	440N0F +5% -5% 250.0V
CL24A	440N0F −5% -5% 250.0V
CL41	100P0F +10% -10% 50.0V
CL46	10N0F +10% 63.0V
CL48	10N0F +10% 100.0V
DL48	BAV103 200.0V
DL71	BZX55B24 24V 500MI0W
DL71	BZX55C24 24V 500MI0W
DL71	BZX55C30 30V 500MI0W
JL60	WIREBARE 22
JL81	0 OHM +0% 100MI0W
JP80	0 OHM +0% 100MI0W
LB02	13U5H +5% -5%
LB02	18U0H +7% -7%
LB02	21U0H +5% -5%
LB02	21U0H +5% -5%
LL05	TF-DST M30FBC3 10546610 3087
LL05	TF-DST M30FBC3 10600190 3087
LL05	TF-DST M30FBC3 10608680 3087
LL22	650U0H +5% -5%
LL22	650U0H +5% -5% EAST-WEST
LL26	26U5H +10%
LL26	30U5H 2519 A0
RF04	1R21 OHM −1% 700MI0W
RF05	1R0 OHM +1% 700MI0W
RF05	1R21 OHM +1% 700MI0W
RF06	12R1 OHM −1% +100PPM/°C 100MI0W
RL02	10K0 OHM +5% 100MI0W
RL02	6K04 OHM +1% −100PPM/°C 100MI0W
RL02	499R0 OHM +1% +100PPM/°C 100MI0W
RL03	10K0 OHM +1% −100PPM/°C 100MI0W
RL03	11K5 OHM +1% −100PPM/°C 100MI0W
RL04	10K0 OHM +1% −100PPM/°C 100MI0W
RL04	20K0 OHM +1% +100PPM/°C 100MI0W
RL04	11K5 OHM +1% −100PPM/°C 100MI0W
RL05	10K0 OHM +1% −100PPM/°C 100MI0W
RL05	20K0 OHM +1% −100PPM/°C 100MI0W
RL05	11K5 OHM +1% +100PPM/°C 100MI0W
RL06	8K25 OHM +1% −100PPM/°C 100MI0W
RL06	4K75 OHM +1% −100PPM/°C 100MI0W
RL06	9K09 OHM +1% −100PPM/°C 100MI0W
RL06	11K5 OHM +1% +100PPM/°C 100MI0W
RL11	4R7 OHM +10% 250MI0W
RL11	4R7 OHM +5% 250MI0W
RL19	22K0 OHM +5% 100MI0W
RL19	33K0 OHM +5% 100MI0W
RL43	68K1 OHM +1% 250MI0W
RL43	68K1 OHM +1% 250MI0W
RL43	68K1 OHM +1% −100PPM/°C 100MI0W
RL45	180K0 OHM +5% 100MI0W
RL45	270K0 OHM +5% 100MI0W
RL46	12K0 OHM +5% 100MI0W
RL47	33K0 OHM +5% 100MI0W
RL48	76K8 OHM +1% −100PPM/°C 100MI0W
RL48	60K4 OHM +1% +100PPM/°C 100MI0W
RL64	8K25 OHM +1% −100PPM/°C 100MI0W
RL65	24K0 OHM +5% 250MI0W
RV20	33K2 OHM +1% 250MI0W
RV20	33K7 OHM +1% +100PPM/°C 100MI0W
ZL13	MP63 630MI0 A 65.0V

	TV PSD CT 17083 38 TV ASY W56EGV023X015 56 01 TV ASY W56EGV023X015 56 01 TV ASY W66EGV023X015 66 00 TV ASY W66EGV023X015 66 00 TV ASY W66EGV023X015 66 01 TV ASY W76EGV023X015 (A) 00 TV ASY W76EGV023X015 (A) 00
CL7	14N4F +3.5% -3.5% 1K6V
CL21	15N5F +3.5% -3.5% 1K6V
CL21	15N0F +3.5% -3.5% 2K0V
CL21A	15N0F +3.5% -3.5% 1K6V
CL22	27N0F +5% -5% 400.0V
CL22	27N0F +5% -5% 1K0V
CL24	440N0F +5% -5% 250.0V
CL24	440N0F +5% -5% 400.0V
CL24	440N0F +5% -5% 250.0V
CL41	100P0F −10% -10% 50.0V
CL48	100N0F +5% 63.0V
CL51	90N0F +5% -5% 250.0V
CL51	290N0F +5% -5% 400.0V
DL48	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55C20 20V 500MI0W
DL71	D-ZENER BZX55C24 24V 500MI0W
JL60	WIREBARE 22
JL82	0 OHM −0%
JP80	0 OHM −0%
JP81	0 OHM −0%
LB02	LF 29U0H +4% -4%
LB02	LF 32U0H +4% -4%
LL05	TF-DST TDS29
LL22	LF 650U0H +5% -5%
LL22	LF 650U0H +5% -5% EAST-WEST
LL26	LL 26U5H +10%
LL26	LL 30U5H 2519 A0
RF04	1R21 OHM +1% 700MI0W
RF05	1R21 OHM +1% 700MI0W
RF05	1R5 OHM +1% 700MI0W
RF06	10R0 OHM +1% −100PPM/°C
RL02	4K99 OHM +1% +100PPM/°C
RL02	4K75 OHM +1% +100PPM/°C
RL02	6K04 OHM +1% +100PPM/°C
RL03	6K49 OHM +1% +100PPM/°C
RL03	8K67 OHM +1% +100PPM/°C
RL04	6K49 OHM +1% +100PPM/°C
RL04	8K67 OHM +1% +100PPM/°C
RL04	10K0 OHM +1% +100PPM/°C
RL05	6K49 OHM +1% +100PPM/°C
RL05	8K67 OHM +1% +100PPM/°C
RL05	10K0 OHM +1% +100PPM/°C
RL06	6K49 OHM +1% +100PPM/°C
RL06	8K67 OHM +1% +100PPM/°C
RL06	3K32 OHM +1% +100PPM/°C
RL06	7K37 OHM +1% +100PPM/°C
RL11	4R7 OHM +10% 250MI0W
RL11	4R7 OHM +5% 250MI0W
RL19	15K0 OHM +5%
RL19	13K0 OHM +5%
RL43	68K1 OHM +1% 250MI0W
RL43	68K1 OHM +1% +100PPM/°C
RL45	470K0 OHM +5%
RL45	390K0 OHM +5%
RL46	12K0 OHM +5%
RL47	33K0 OHM +5%
RL48	1K0 OHM −5%
RL48	220K0 OHM +5%
RL48	237K0 OHM +1% −100PPM/°C
RL49	180K0 OHM +5%
RL49	143K0 OHM +1% −100PPM/°C
RL64	8K25 OHM +1% +100PPM/°C
RL65	470K0 OHM +5% 250MI0W
RV20	100K0 OHM +1% 250MI0W
RV20	33K2 OHM +1% +100PPM/°C
RV20	100K0 OHM +1% 250MI0W
ZL13	MP63 630MI0 A 65.0V

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

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.

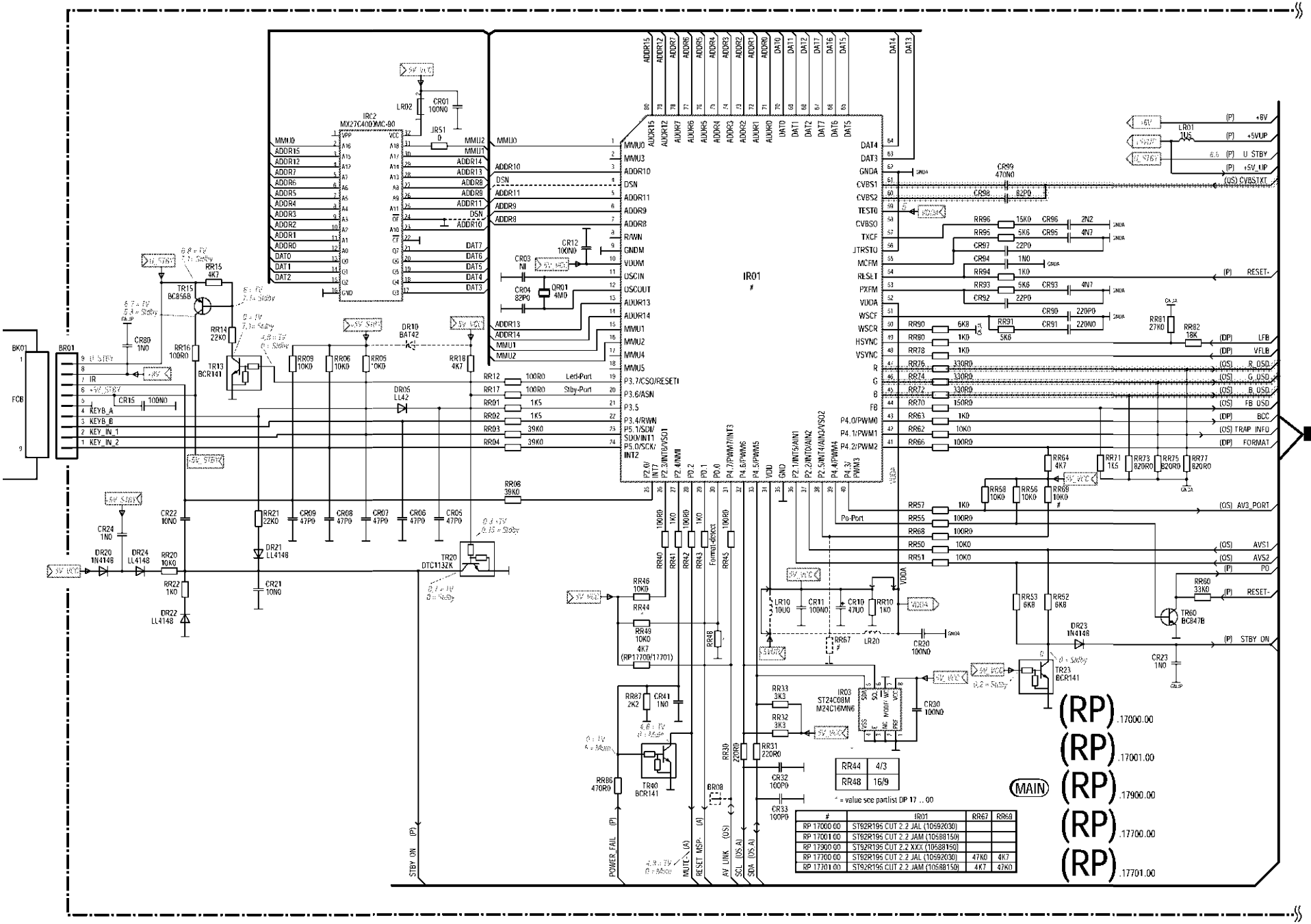
La sostituzione degli elementi di sicurezza (contrassegnati con il segno ⚠) con componenti non omologati secondo la norma CEI 65 comporta la non conformità dell'apparecchio.
In tal caso é "esclusa la responsabilità" del costruttore.

La subtitucion 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.

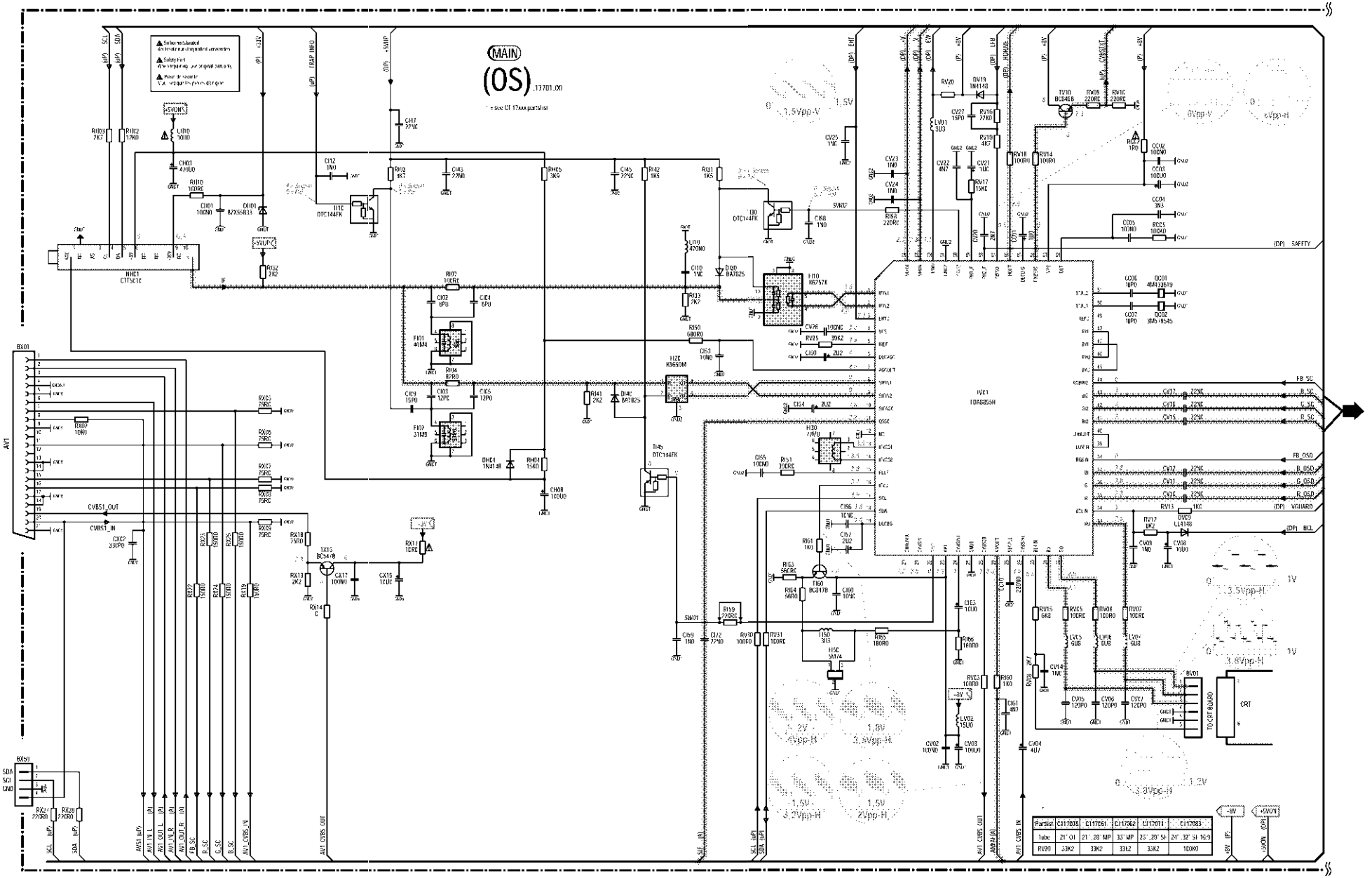
	TV ASY A66EHJ43X85 01 TV PSD CT 17961 32
CL21	CFS 14N4F +3.5% -3.5% 1K6V
CL21	CFS 14N4F +3.5% -3.5% 1K6V
CL22	CFS 30N0F +5% -5% 400.0V
CL22	CFS 30N0F +5% -5% 1K0V
CL24	CFS 440N0F +5% -5% 400.0V
CL24	CFS 440N0F −5% -5% 250.0V
CL24A	CFS 440N0F −5% -5% 250.0V
CL41	CCCMIN 100P0F +10% -10% 50.0V
CL48	CPM 10N0F +10% 100.0V
DL48	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55B24 24V 500MI0W
DL71	D-ZENER BZX55C24 24V 500MI0W
JL60	WIREBARE 22
JL81	RCFCCMIN 0 OHM +0% 100MI0W
LB02	LF 21U0H +5% -5%
LL05	TF-DST M30FBC3 10600190 3087
LL05	TF-DST M30FBC3 10608680 3087
LL22	LF 650U0H +5% -5%
LL22	LF 650U0H +5% -5% EAST-WEST
LL26	LL 26U5H +10%
RF05	RMF 1R0 OHM +1% 700MI0W
RL02	RCFCCMIN 10K0 OHM +5% 100MI0W
RL03	RMFCCMIN 10K0 OHM −1% +100PPM/°C 100MI0W
RL04	RMFCCMIN 10K0 OHM −1% +100PPM/°C 100MI0W
RL05	RMFCCMIN 10K0 OHM +1% +100PPM/°C 100MI0W
RL06	RMFCCMIN 8K25 OHM +1% +100PPM/°C 100MI0W
RL06	RMFCCMIN 4K75 OHM −1% +100PPM/°C 100MI0W
RL06	RMFCCMIN 9K09 OHM −1% +100PPM/°C 100MI0W
RL19	RCFCCMIN 22K0 OHM −5% 100MI0W
RL45	RCFCCMIN 180K0 OHM +5% 100MI0W
RL48	RMFCCMIN 76K8 OHM −1% +100PPM/°C 100MI0W
RL65	RCF 24K0 OHM +5% 250MI0W
RV20	RMF 33K2 OHM −1% 250MI0W

	TV ASY A68EGD03BX70 (A) 68 00 TV PSD CT 17971 26
CL21	16N2F −3.5% -3.5% 1K6V
CL21	16N2F +3.5% -3.5% 2K0V
CL21A	16N2F +3.5% -3.5% 1K6V
CL22	30N0F −5% -5% 400.0V
CL22	30N0F −5% -5% 1K0V
CL24	510N0F +5% -5% 250.0V
CL24	510N0F +5% -5% 250.0V
CL41	100P0F −10% -10% 50.0V
CL48	10N0F −10% 100.0V
DL48	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55B24 24V 500MI0W
DL71	D-ZENER BZX55C24 24V 500MI0W
JL60	WIREBARE 22
JL80	0 OHM +0% 100MI0W
LB02	LF 32U0H +4% -4%
LL05	TF-DST TDS29
LL22	LF 650U0H +5% -5%
LL22	LF 650U0H +5% -5% EAST-WEST
LL26	LL 26U5H +10%
LL26	LL 22U0H +10%
RF05	1R0 OHM +1% 700MI0W
RL02	6K8 OHM −5% 100MI0W 1004 A3 00
RL03	4K75 OHM +1% +100PPM/°C 100MI0W
RL04	4K75 OHM −1% +100PPM/°C 100MI0W
RL05	4K75 OHM −1% +100PPM/°C 100MI0W
RL06	4K75 OHM −1% +100PPM/°C 100MI0W
RL19	15K0 OHM +5% 100MI0W
RL45	180K0 OHM +5% 100MI0W
RL48	100K0 OHM +5% 100MI0W
RL49	300K0 OHM +5% 100MI0W
RL65	4K7 OHM +5% 250MI0W
RV20	33K2 OHM +1% 250MI0W

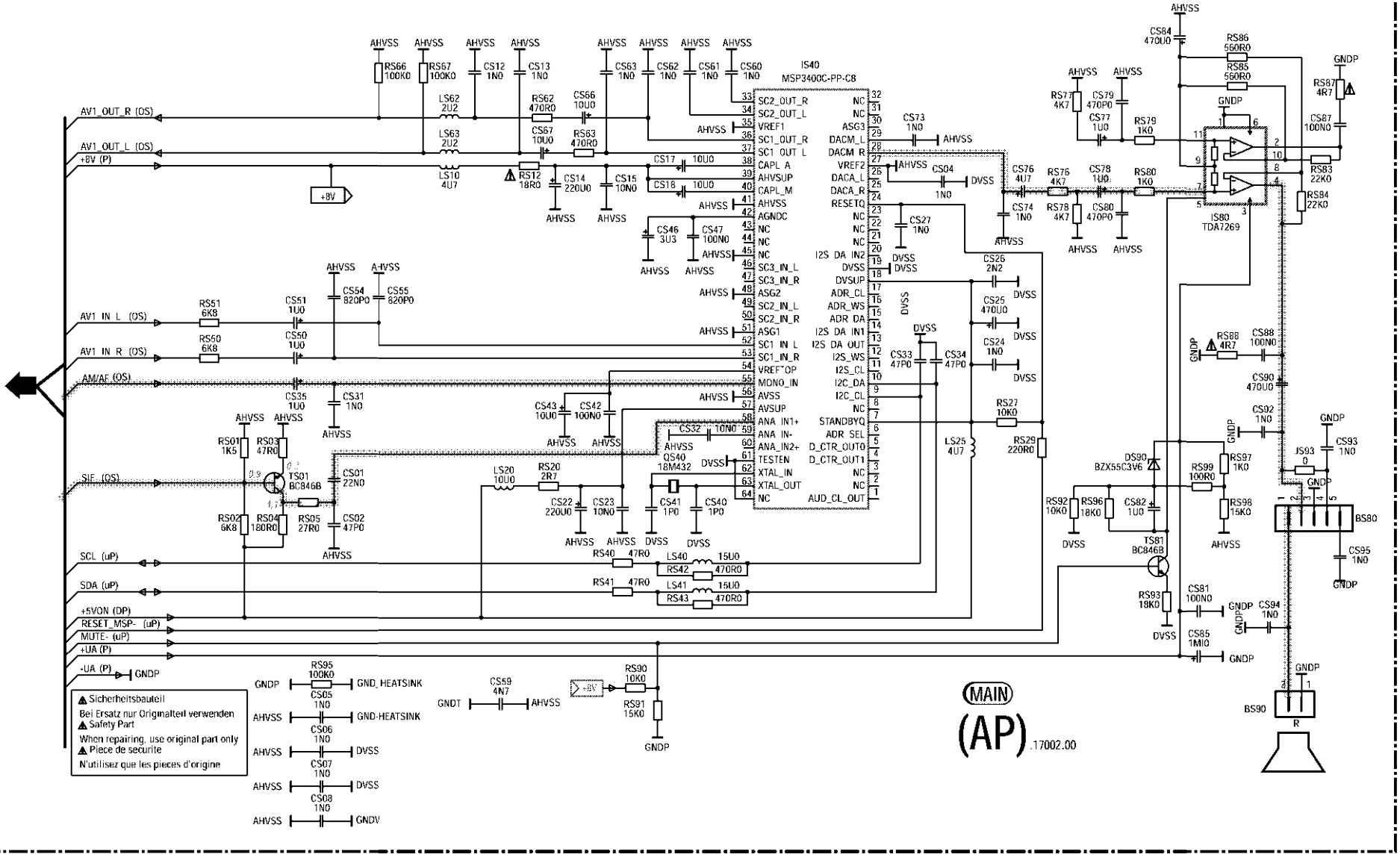
	TV PSD CT 17902 26 TV ASY A80AEJ15X99 80 00
CL21	16N5F +3.5% -3.5% 2K0V
CL21A	16N5F +3.5% -3.5% 1K6V
CL22	30N0F +5% -5% 1K0V
CL24	560N0F +5% -5% 250.0V
CL41	100P0F +10% -10% 50.0V
CL48	10N0F +10% 100.0V
DL48	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55B24 24V 500MI0W
DL71	D-ZENER BZX55C24 24V 500MI0W
JL60	WIREBARE 22
JL80	0 OHM −0%
LB02	LF 32U0H +4% -4%
LL05	TF-DST TDS29
LL22	LF 650U0H +5% -5%
LL22	LF 650U0H +5% -5% EAST-WEST
LL26	LL 22U0H +10%
RF05	1R0 OHM +1% 700MI0W
RL02	6K2 OHM +5%
RL03	4K75 OHM +1% +100PPM/°C
RL04	4K75 OHM +1% +100PPM/°C
RL05	4K75 OHM +1% +100PPM/°C
RL06	10K0 OHM +1% +100PPM/°C
RL19	13K0 OHM +5%
RL45	150K0 OHM +5%
RL48	76K8 OHM +1% +100PPM/°C
RL49	560K0 OHM +5%
RL65	4K7 OHM −5% 250MI0W
RV20	33K2 OHM +1% 250MI0W


IR01
IR02 MX27C4000MC-90
IR03 ST24C08M M24C16MN6
MAIN
(RP) .17000.00
(RP) .17001.00
(RP) .17900.00
(RP) .17700.00
(RP) .17701.00
RR44 4/3
RR48 16/9
* = value see partlist DIP 17 .. 00
# IR01 RR67 RR68
RP 17000 00 ST92R195 CUT 2.2 JAL (10592030)
RP 17001 00 ST92R195 CUT 2.2 JAM (10588150)
RP 17900 00 ST92R195 CUT 2.2 XXX (10588150)
RP 17700 00 ST92R195 CUT 2.2 JAL (10592030) 47K0 4K7
RP 17701 00 ST92R195 CUT 2.2 JAM (10588150) 4K7 47K0

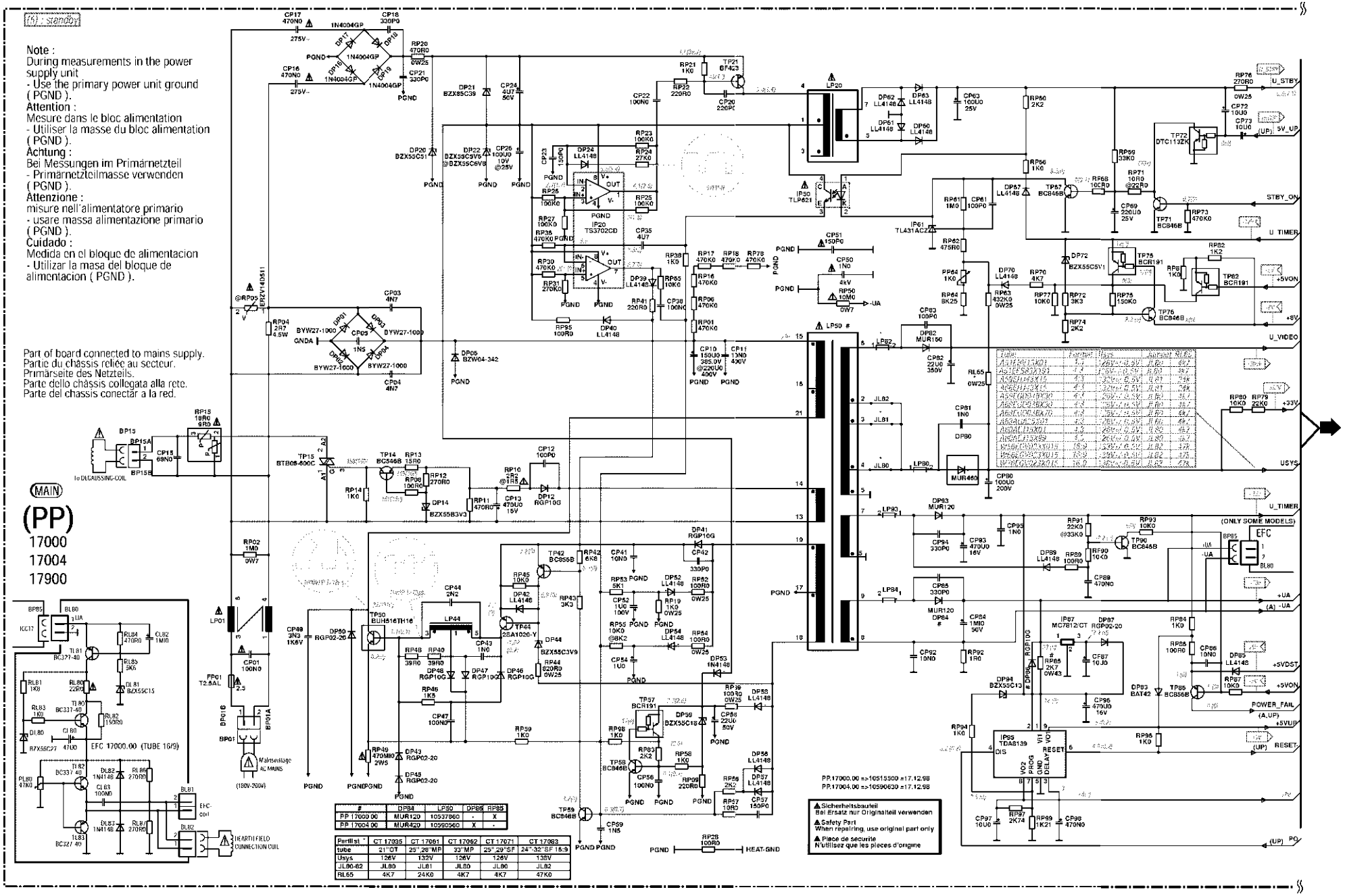
RF/FI/ SCART INTERFACE/VIDEO SIGNAL PROCESSING -HF/FI INTERFACE PERITELEVISION/TRAITEMENT LUMINANCE CHROMINANCE - HF/ZF/ SCART INTERFACE/VIDEO SIGNALVERARBEITUNG - RF/FI /PRESA PERITEL/ELABORAZIONE VIDEO - RF/FI /EUROCONECTOR/TRATAMENTO VIDEO



AMPLIFIER SCHEMATIC DIAGRAM - SCHEMA DE L'AMPLIFICATEUR - SCHALTBILD AUDIO-SIGNALVERABEITUNG - SCHEMA DELL' AMPLIFICATORE - ESQUEMA DEL AMPLIFICADOR
(MONO)



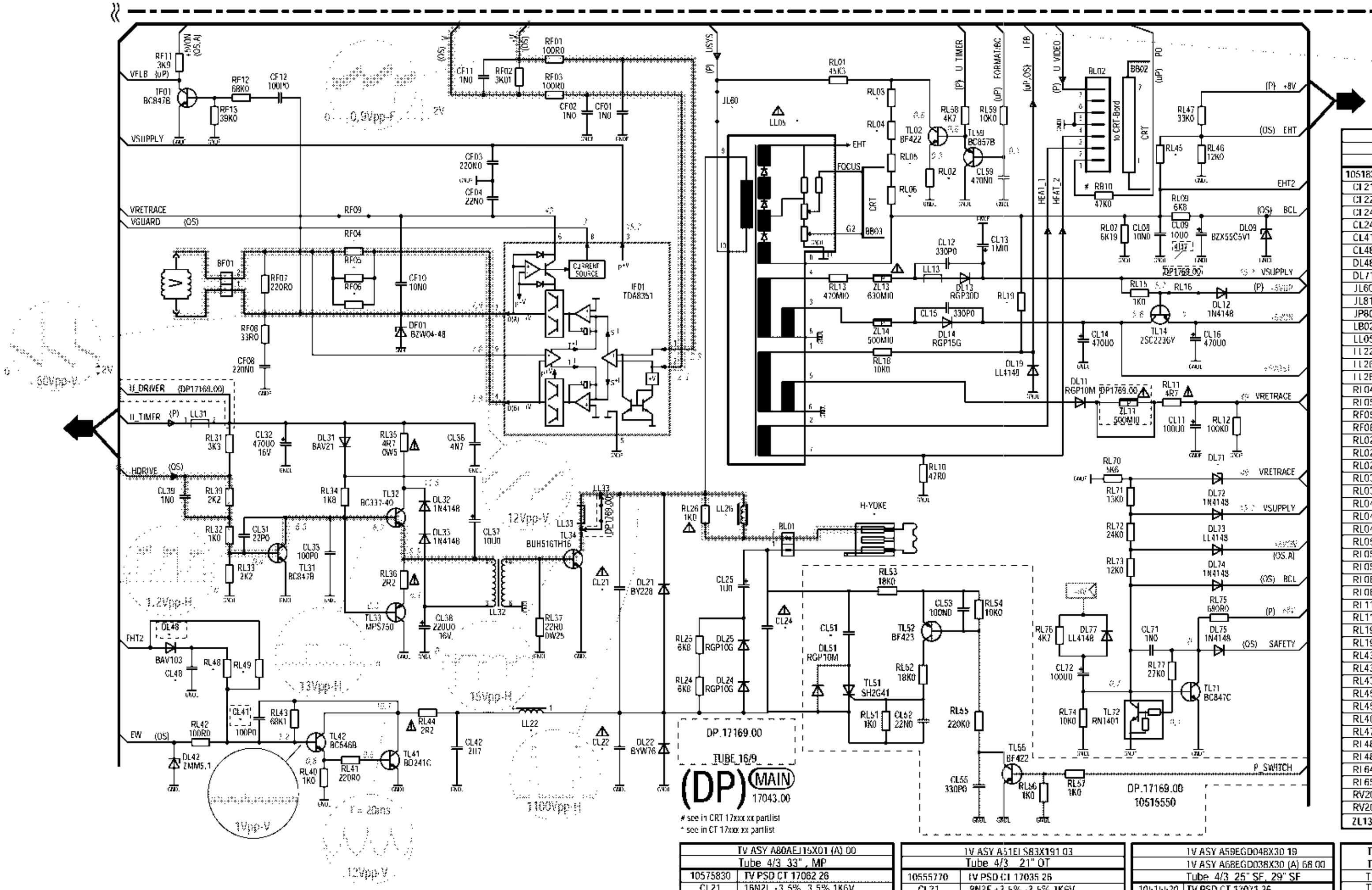
POWER SUPPLY - ALIMENTATION - NETZTEIL - ALIMENTAZIONE - ALIMENTACIÓN



#	DP84	LP50	DP86	RP88
PP 17000.00	MUR120	10537860	-	X
PP 17004.00	MUR420	10590560	X	-

Perfilist °	CT 17035	CT 17061	CT 17062	CT 17071	CT 17083
tube	21"CT	25"/28"MP	33"MP	25"/29"SF	24"-32"SF 16:9
Usys	126V	132V	126V	126V	138V
JL80-82	JL80	JL81	JL80	JL80	JL82
RL65	4K7	24K0	4K7	4K7	47K0

SCANNING - BALAYAGE - ABLENKUNG - BARRIDO - SCANSIONE



	TV ASY A59EHJ43X15 00
	TV ASY A66EHJ43X15 00
	Tube 4/3 25", 28" , MP /Vectorgun
10518330	TV PSD CI 17061 32
CI 21	14N0F +3.5% 3.5% 1K5V
CI 22	30N0F +5% 5% 400.0V
CI 24	470N0F +5% 5% 250.0V
CL24	440N0F +5% -5% 250.0V
CL41	100P0F +10% -10% 50.0V
CL48	CPM 10N0F +10% 63.0V
DL48	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55C30 30V 500MI0W
JL60	WIREBARE 22
JL81	0 OHM +0% 100MI0W
JP80	0 OHM +0% 100MI0W
LB02	LF 18U0H -7% -7%
LL05	TF-DST M30FBC3 10546610 3087 A0
LL22	LF 650U0H +5% 5% R 2873 A0 00
LL26	LL 26U5H +10%
LL26	LL 30U5H 2519 A0
RL04	1R21 OHM +1% 700MI0W
RL05	1R0 OHM +1% 700MI0W
RF05	1R21 OHM +1% 700MI0W
RF06	12R1 OHM +1% 100MI0W
RL02	10K0 OHM +5% 100MI0W
RL02	6K04 OHM +1% 100MI0W
RL02	499R0 OHM +1% 100MI0W
RL03	10K0 OHM +1% 100MI0W
RL03	11K5 OHM +1% 100MI0W
RL04	10K0 OHM +1% 100MI0W
RL04	20K0 OHM +1% 100MI0W
RL04	11K5 OHM +1% 100MI0W
RL05	10K0 OHM +1% 100MI0W
RL05	20K0 OHM +1% 100MI0W
RL05	11K5 OHM +1% 100MI0W
RL06	4K75 OHM +1% 100MI0W
RL06	11K5 OHM +1% 100MI0W
RL11	4R7 OHM +10% 250MI0W
RL11	4R7 OHM +5% 250MI0W
RL19	22K0 OHM +5% 100MI0W
RL19	33K0 OHM +5% 100MI0W
RL43	68K1 OHM +1% 250MI0W
RL43	68K1 OHM +1% 250MI0W
RL43	68K1 OHM +1% 100MI0W
RL45	180K0 OHM -5% 100MI0W
RL45	270K0 OHM -5% 100MI0W
RL46	12K0 OHM +5% 100MI0W
RL47	33K0 OHM +5% 100MI0W
RL48	76K8 OHM +1% 100MI0W
RL48	60K4 OHM +1% 100MI0W
RL64	8K25 OHM +1% 100MI0W
RL65	RCI 24K0 OHM +5% 250MI0W
RV20	RMF 33K2 OHM -1% 250MI0W
RV20	33K2 OHM +1% 100MI0W
ZL13	PROTEC MOD MP63 630MI0 A 65.0V

	TV ASY A80AEJ15X01 (A) 00
	Tube 4/3 33" , MP
10575830	TV PSD CT 17062 26
CI 21	16N2F +3.5% 3.5% 1K6V
CI 22	30N0F +5% 5% 400.0V
CI 24	560N0F +5% 5% 250.0V
CI 41	100P0F +10% 10% 50.0V
CI 48	10N0F +10% 63.0V
DL48	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55C30 30V 500MI0W
JL60	WIREBARE 22
JL80	0 OHM +0% 100MI0W
LB02	LF 32U0H +4% -4%
LL05	TF-DST TDS29 TBD 11
LL22	LF 650U0H +5% -5% R 2873 A0 00
LL26	LL 26U5H +10%
RF05	1R21 OHM +1% 700MI0W
RF06	10R0 OHM +1% 100MI0W
RL02	6K04 OHM +1% 100MI0W
RL03	4K75 OHM +1% 100MI0W
RL04	4K75 OHM +1% 100MI0W
RL05	4K75 OHM +1% 100MI0W
RL06	6K81 OHM +1% 100MI0W
RL19	13K0 OHM +5% 100MI0W
RL45	150K0 OHM +5% 100MI0W
RL48	76K8 OHM +1% 100MI0W
RL49	560K0 OHM +5% 100MI0W
RL65	RCF 4K7 OHM -5% 250MI0W
RV20	RMF 23K7 OHM -1% 250MI0W

	TV ASY A51ELS83X191 03
	Tube 4/3 21" OT
10555770	TV PSD CT 17035 26
CL21	8N3F +3.5% -3.5% 1K6V
CL22	33N0F +5% -5% 1K0V
CL24	440N0F -5% -5% 250.0V
CL41	1N0F +10% -10% 50.0V
DL71	D-ZENER BZX55C24 24V 500MI0W
JL60	WIREBARE 22
JL80	0 OHM -0% 100MI0W
LB02	LF 18U0H +7% -7%
LL05	TF-DST M30FBC3 10555640 3087 A0
LL22	LF 650U0H +5% -5% R 2873 A0 00
LL26	LL 85U0H 2519 A0
RL05	1R5 OHM +1% 700MI0W
RL06	10R0 OHM +1% 100MI0W
RL02	6K04 OHM +1% 100MI0W
RL03	10K0 OHM +1% 100MI0W
RL04	10K0 OHM +1% 100MI0W
RL05	10K0 OHM +1% 100MI0W
RL06	3K32 OHM +1% 100MI0W
RL45	110K0 OHM +5% 100MI0W
RL49	60K4 OHM +1% 100MI0W
RL65	4K7 OHM +5% 250MI0W
RV20	23K7 OHM +1% 250MI0W

	TV ASY A59EGD048X30 19
	TV ASY A68EGD038X30 (A) 68 00
	Tube 4/3 25" SF, 29" SF
10515520	TV PSD CT 17071 26
CL21	16N2F -3.5% -3.5% 1K6V
CL22	30N0F -5% -5% 400.0V
CL24	510N0F -5% -5% 250.0V
CL41	100P0F +10% -10% 50.0V
CL48	10N0F -10% 63.0V
DL48	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55C30 30V 500MI0W
JL60	WIREBARE 22
JL80	0 OHM +0% 100MI0W
LB02	LF 32U0H +4% -4%
LL05	TF-DST TDS29 TBD 13
LL22	LF 650U0H +5% 5%
LL26	LL 26U5H +10%
RF05	RMI 1R0 OHM +1% 700MI0W
RL02	6K8 OHM +5% 100MI0W
RL03	4K75 OHM +1% 100MI0W
RL04	4K75 OHM +1% 100MI0W
RL05	4K75 OHM +1% 100MI0W
RL06	4K75 OHM +1% 100MI0W
RL19	15K0 OHM +5% 100MI0W
RL45	180K0 OHM +5% 100MI0W
RL48	100K0 OHM +5% 100MI0W
RL49	300K0 OHM +5% 100MI0W
RL65	4K7 OHM +5% 250MI0W
RV20	33K2 OHM +1% 250MI0W

	TV ASY W56EGV023X015 56 01
	TV ASY W66EGV023X015 66 00
	TV ASY W76EGV023X015 (A) 00
	Tube 16/9 24", 28",32", SF / vectorgun
10515530	TV PSD CT 17083 38
CL21	15N5F -3.5% -3.5% 1K6V
CL22	27N0F -5% -5% 400.0V
CL24	440N0F +5% -5% 250.0V
CL41	100P0F +10% -10% 50.0V
CL48	100N0F -5% 63.0V
CL51	290N0F +5% 5% 250.0V
DL48	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55C24 24V 500MI0W
JL60	WIREBARE 22
JL82	0 OHM +0% 100MI0W
LB02	LF 32U0H -4% -4%
LL05	TF-DST TDS29 15314460 10
LL22	LF 650U0H -5% -5%
LL26	LL 30U5H 2519 A0
RF05	1R21 OHM +1% 700MI0W
RL02	4K99 OHM +1% 100MI0W
RL03	6K49 OHM +1% 100MI0W
RL04	6K49 OHM +1% 100MI0W
RL05	6K49 OHM +1% 100MI0W
RL06	2K37 OHM +1% 100MI0W
RL19	13K0 OHM +5% 100MI0W
RL45	390K0 OHM +5% 100MI0W
RL48	220K0 OHM +5% 100MI0W
RL49	180K0 OHM +5% 100MI0W
RL65	47K0 OHM +5% 250MI0W
RV20	100K0 OHM +1% 250MI0W

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

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.

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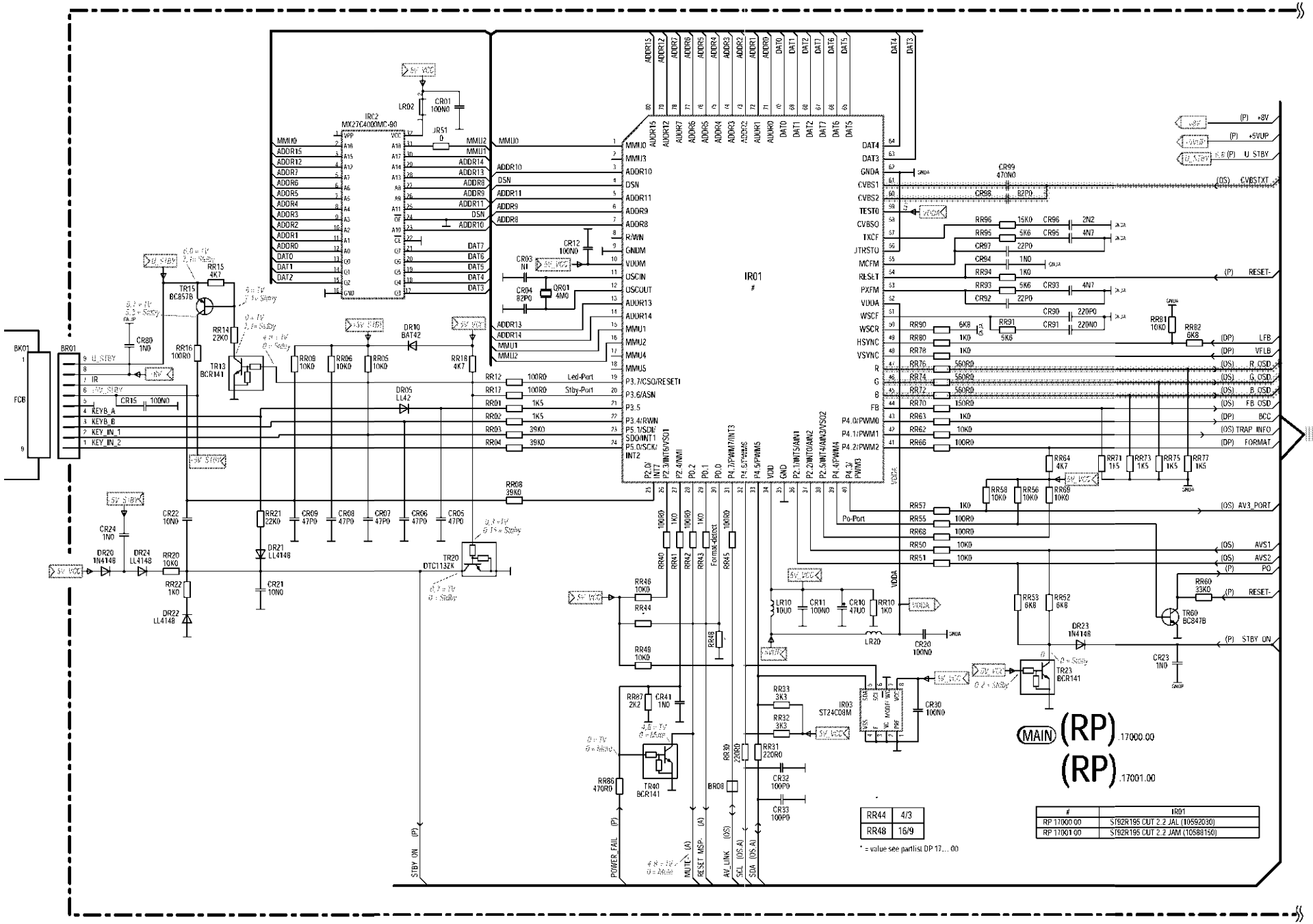
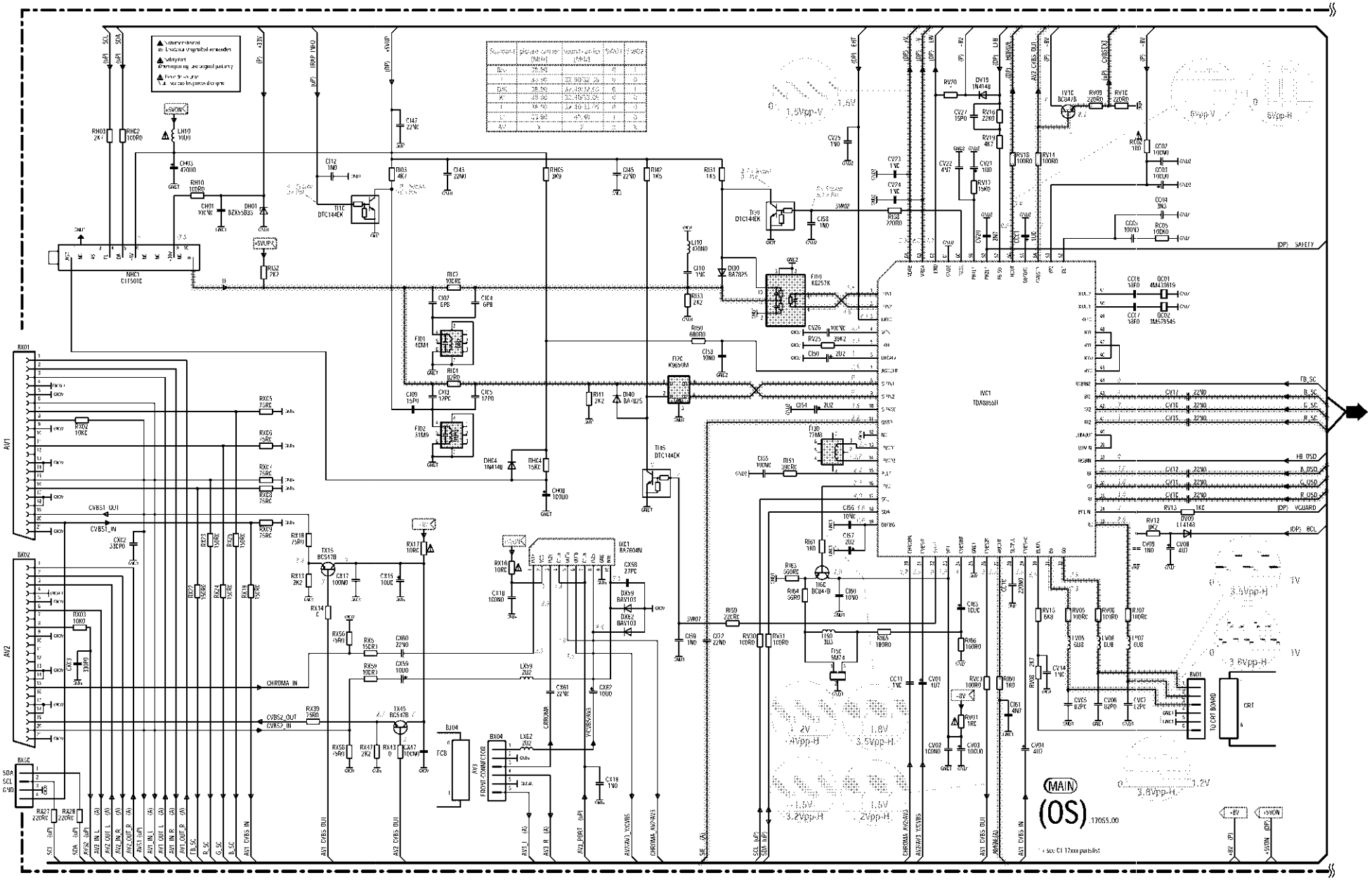
La sostituzione degli elementi di sicurezza (contrassegnati con il segno ⚠) con componenti non omologati secondo la norma CEI 65 comporta la non conformitá dell'apparecchio.
In tal caso é "esclusa la responsabilitá" del costruttore.

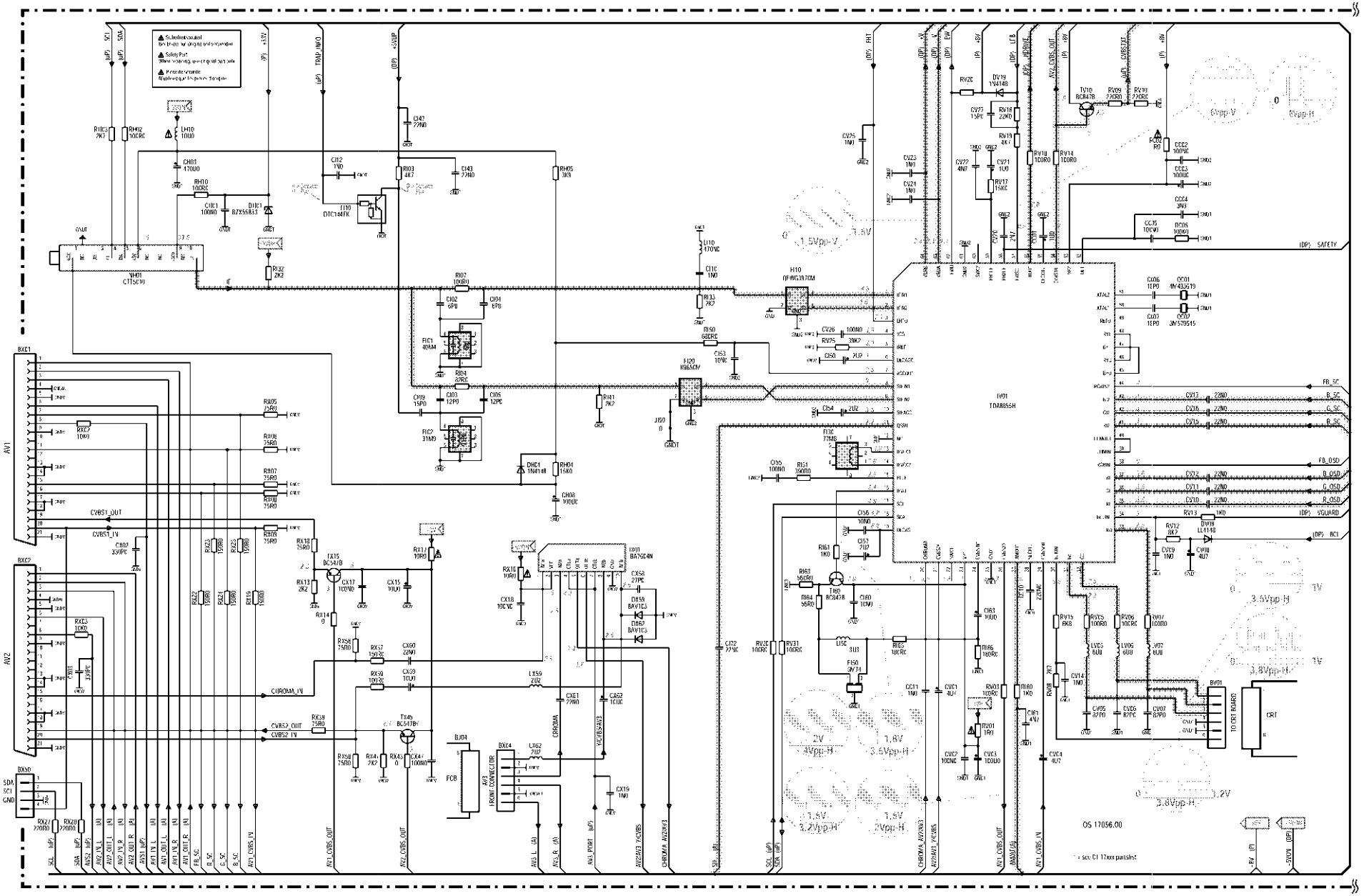
La subtitución de elementos de seguridad (marcados con el simbolo ⚠) por componentes no homologados segun la norma CEI 65, provoca la no conformidad del aparato.
En ese caso, el fabricante cesa de ser responsable.


IR01
MAIN (RP) 17000.00
(RP) 17001.00
RR44 4/3
RR48 16/9
* = value see partlist DP 17... 00
# | IR01
RP 17000 00 | ST92R195 CUT 2.2 JAL (10592030)
RP 17001 00 | ST92R195 CUT 2.2 JAM (10588150)

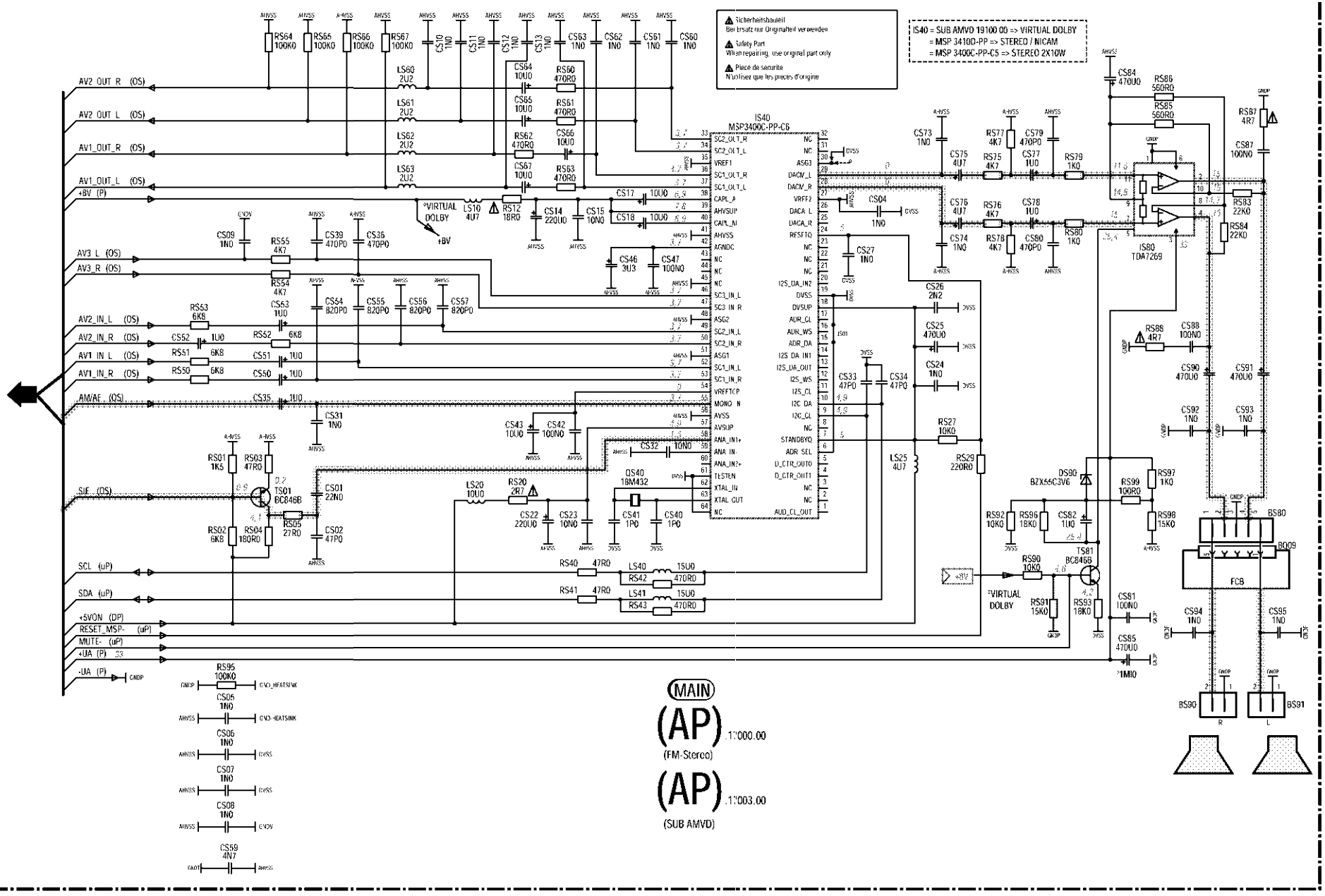
RF/FI/ SCART INTERFACE/VIDEO SIGNAL PROCESSING -HF/FI INTERFACE PERITELEVISION/TRAITEMENT LUMINANCE CHROMINANCE - HF/ZF/ SCART INTERFACE/VIDEO SIGNALVERARBEITUNG - RF/FI /PRESA PERITEL/ELABORAZIONE VIDEO - RF/FI /EUROCONECTOR / TRATAMENTO VIDEO



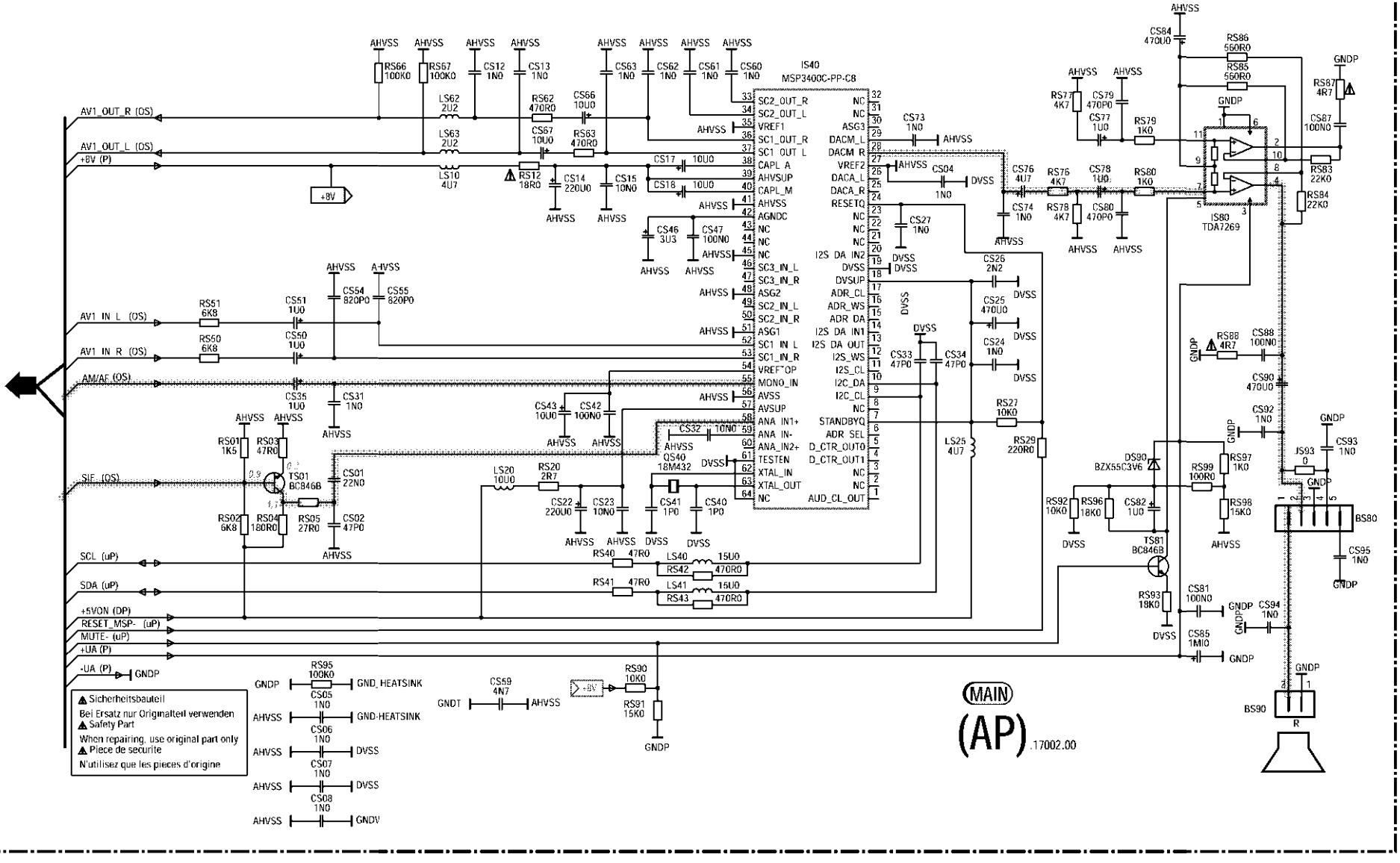
RF/FI/ SCART INTERFACE/VIDEO SIGNAL PROCESSING -HF/FI INTERFACE PERITELEVISION/TRAITEMENT LUMINANCE CHROMINANCE - HF/ZF/ SCART INTERFACE/VIDEO SIGNALVERARBEITUNG - RF/FI /PRESA PERITEL/ELABORAZIONE VIDEO - RF/FI /EUROCONECTOR/TRATAMENTO VIDEO



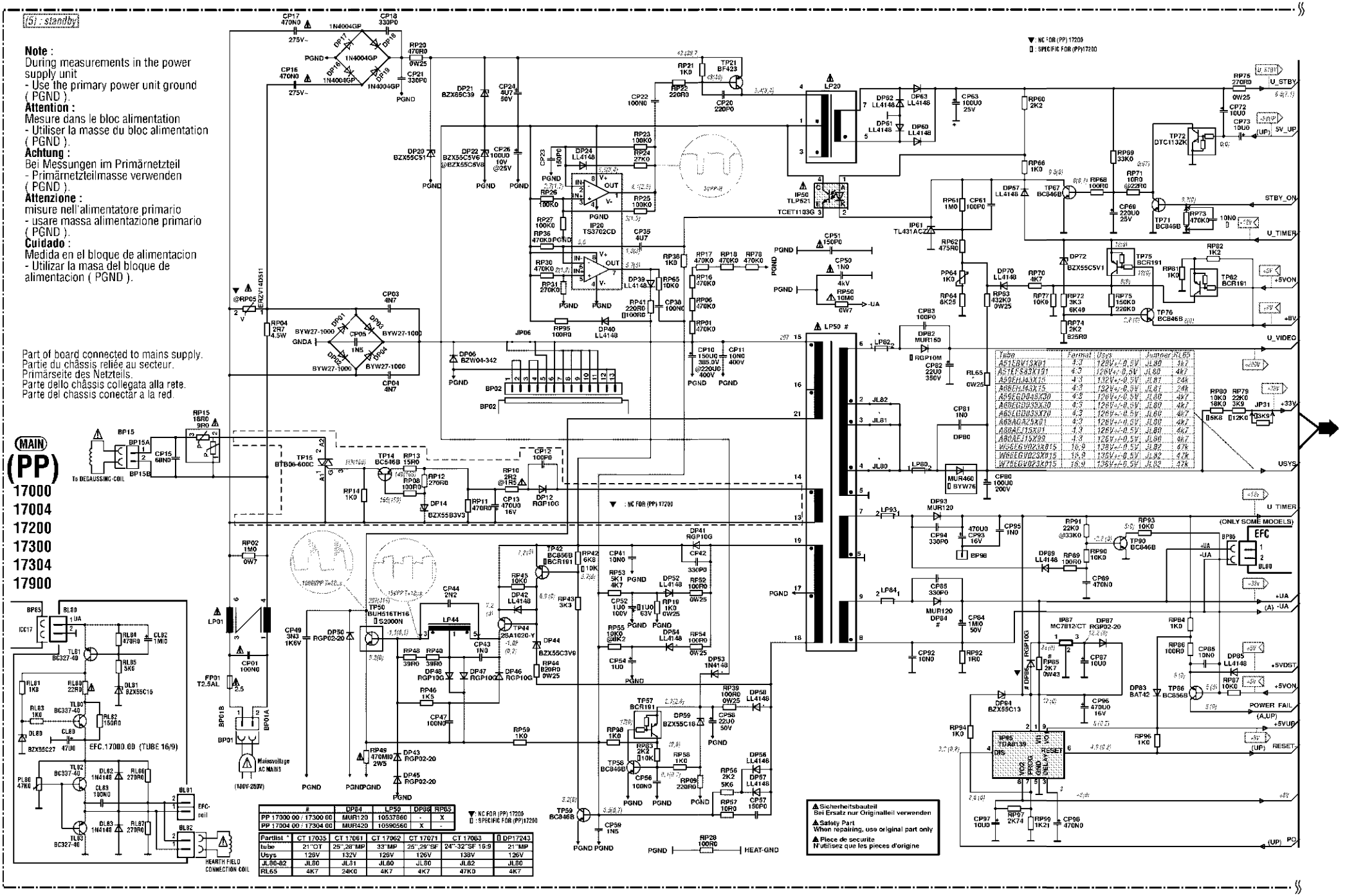
AMPLIFIER SCHEMATIC DIAGRAM - SCHEMA DE L'AMPLIFICATEUR - SCHALTBILD AUDIO-SIGNALVERABEITUNG - SCHEMA DELL' AMPLIFICATORE
ESQUEMA DEL AMPLIFICADOR
(STEREO)



AMPLIFIER SCHEMATIC DIAGRAM - SCHEMA DE L'AMPLIFICATEUR - SCHALTBILD AUDIO-SIGNALVERABEITUNG - SCHEMA DELL' AMPLIFICATORE - ESQUEMA DEL AMPLIFICADOR
(MONO)



POWER SUPPLY - ALIMENTATION - NETZTEIL - ALIMENTAZIONE - ALIMENTACIÓN

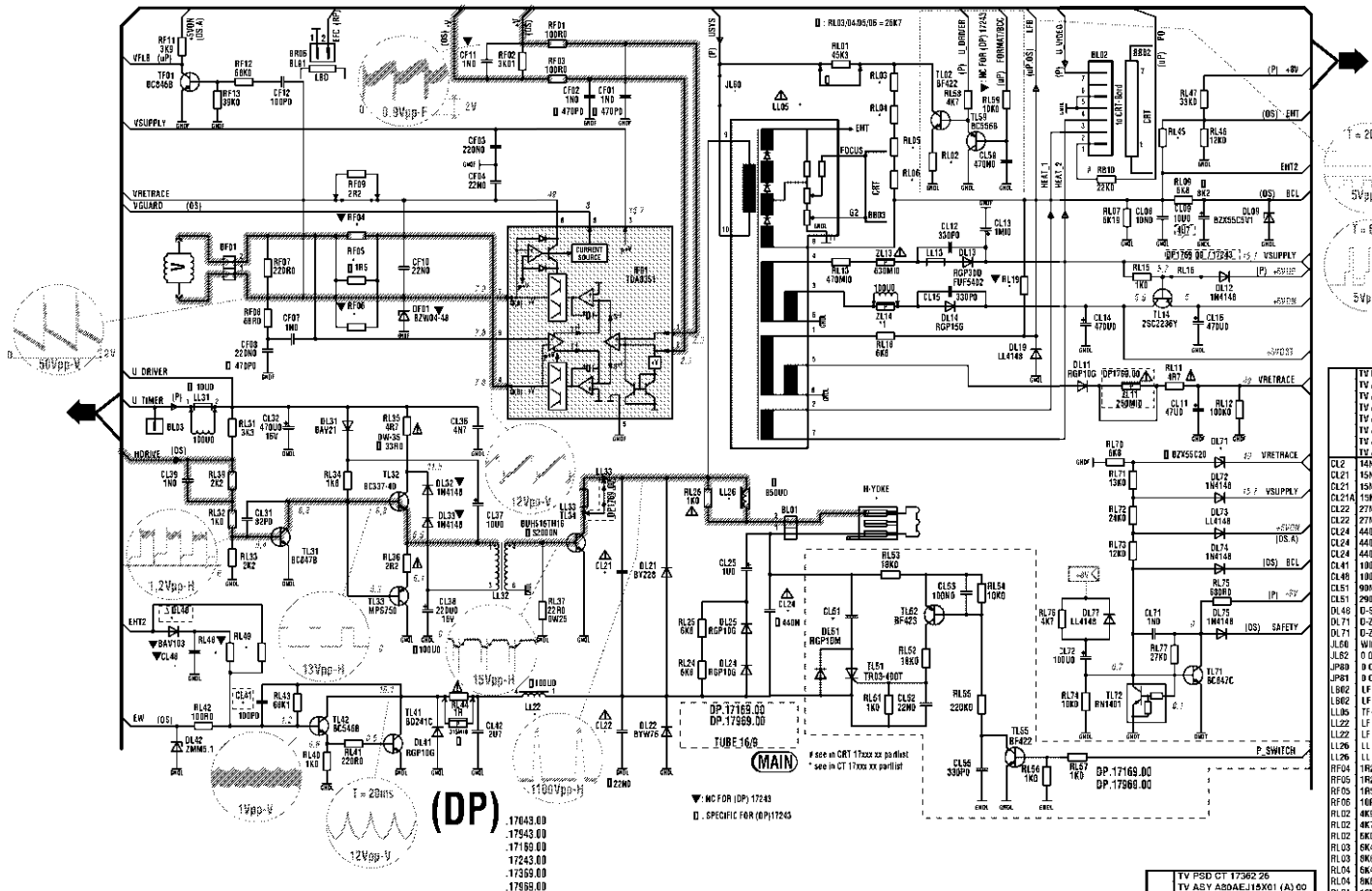


#	DP84	LP50	DP86	RP65
PP 17300 00 / 17300 00	MUR120	10537860	-	X
PP 17004 00 / 17304 00	MUR420	10590560	X	-

Partlist ^	CT 17035	CT 17061	CT 17062	CT 17071	CT 17063	□ DP17243
tube	21"OT	25"_28"MP	33"MP	25"_29"SF	24"-32"SF 16:9	21"MP
Usys	125V	132V	125V	126V	138V	125V
JL80-82	JL80	JL31	JL80	JL80	JL82	JL80
RL65	4K7	24K0	4K7	4K7	47K0	4K7

Tube	Format	Usys	Jumper RL65
A51EBM13X01	4:3	125V+/-0.5V	JL80 4K7
A51EJS83X191	4:3	126V+/-0.5V	JL80 4K7
A59EHJ43X15	4:3	132V+/-0.5V	JL81 24K
A66EHJ43X15	4:3	132V+/-0.5V	JL81 24K
A59EGD03X30	4:3	126V+/-0.5V	JL80 4K7
A61EGD03X30	4:3	126V+/-0.5V	JL80 4K7
A65LED03X30	4:3	126V+/-0.5V	JL80 4K7
A65AGA25X01	4:3	126V+/-0.5V	JL80 4K7
A80AEJ15X01	16:9	126V+/-0.5V	JL80 4K7
A80AEJ15X99	16:9	126V+/-0.5V	JL80 4K7
W65EGV023X015	16:9	128V+/-0.5V	JL82 47K
W66EGV023X015	16:9	126V+/-0.5V	JL82 47K
W75EGV023X015	16:9	126V+/-0.5V	JL82 47K

SCANNING - BALAYAGE - ABLENKUNG - BARRIDO - SCANSIONE



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

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.

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

La subtitución 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.

	TV PSD CT 17335 26 TV ASY AS1EFS83X191 03
CL21	6N8F +3.5% -3.5% 1K6V
CL22	30N0F +5% -5% 400.0V
CL22	30N0F +5% -5% 400.0V
CL24	440N0F +5% -5% 250.0V
CL41	1N0F +10% -10% 50.0V
DL71	D-ZENER BZX55C20 20V 500MI0W
JL60	WIREBARE 22
JL80	0 OHM +0% 100MI0W
LB02	LF 32U0H +4% -4%
LB02	LF 21U0H +5% -5%
LL05	TF-DST M30FBC
LL22	LF 650U0H +5% -5%
LL26	LL 39U0H +10%
RF05	1R21 OHM +1% 700MI0W
RL02	5K2 OHM +5% 100MI0W
RL03	10K0 OHM +1% +100PM/°C
RL04	10K0 OHM +1% +100MI0W
RL05	10K0 OHM +1% +100MI0W
RL06	3K32 OHM +1% +100MI0W
RL19	18K0 OHM +5% 100MI0W
RL35	33R0 OHM +5% 700MI0W
RL45	110K0 OHM +5% 100MI0W
RL49	60K4 OHM +1% +100MI0W
RL65	4K7 OHM +5% 250MI0W
RV20	33K2 OHM +1% 250MI0W

	TV PSD CT 17362 26 TV ASY AS0AEJ15X01 (A) 00
CL21	16N7F +3.5% -3.5% 1K6V
CL22	0N0F +5% -5% 400.0V 00
CL22	30N0F +5% -5% 400.0V
CL24	560N0F +5% -5% 250.0V
CL41	100P0F +10% -10% 50.0V
CL48	10N0F +10% 100.0V
DL48	D-SLP BAV103 200.0V
DL71	BZX55B24 24V 500MI0W
JL60	WIREBARE 22
JL80	0 OHM +0% 100MI0W
LB02	LF 32U0H +4% -4%
LB02	LF 21U0H +5% -5%
LL05	TF-DST TDS29
LL05	TF-DST M30FBC
LL22	LF 650U0H +/-5% EAST-WEST
LL26	LL 52U0H +10%
RF05	1R6 OHM +1% 700MI0W
RL02	6K2 OHM +5% 100MI0W
RL03	4K75 OHM +1% 100MI0W
RL04	4K75 OHM +1% 100MI0W
RL05	4K75 OHM +1% 100MI0W
RL06	10K0 OHM +1% 100MI0W
RL19	13K0 OHM +5% 100MI0W
RL35	4R7 OHM +5% 250MI0W
RL45	150K0 OHM +5% 100MI0W
RL48	76K8 OHM +1% 100MI0W
RL49	560K0 OHM +5% 100MI0W
RL65	4K7 OHM +5% 250MI0W
RV20	33K2 OHM +1% 250MI0W

	TV PSD CT 17383 38 TV ASY WS6EGV023X015 55 01 TV ASY WS6EJU023X015 66 00 TV ASY W76EGV023X015 (A) 00
CL21	15N0F +3.5% -3.5% 1K6V
CL22	27N0F +5% -5% 400.0V
CL24	440N0F +5% -5% 250.0V
CL41	100P0F +10% -10% 50.0V
CL48	100N0F +5% 63.0V
CL48	100N0F +5% 63.0V 85C
CL51	290N0F +5% -5% 250.0V
DL48	BAV103 200.0V
DL71	ZENER BZX55C20 20V 500MI0W
JL60	WIREBARE 22
JL80	0 OHM +0% 100MI0W
LB02	LF 32U0H +4% -4%
LB02	LF 21U0H +5% -5%
LL05	TF-DST TDS29 15393009 16
LL05	TF-DST M30FBC
LL22	LF 650U0H +5% -5%
LL26	LL 26U5H +10%
RF05	1R21 OHM +1% 700MI0W
RL02	4K75 OHM +1% +100MI0W
RL03	6K49 OHM +1% +100MI0W
RL04	5K49 OHM +1% +100MI0W
RL05	5K49 OHM +1% +100MI0W
RL06	3K32 OHM +1% +100MI0W
RL19	22K0 OHM +5% 100MI0W
RL35	4R7 OHM +5% 250MI0W
RL45	150K0 OHM +5% 100MI0W
RL49	136K0 OHM +5% 100MI0W
RL65	47K0 OHM +5% 250MI0W
RV20	100K0 OHM +1% 250MI0W

	TV PSD CT 17061 32 TV ASY A56EHJ43X15 00 TV ASY A56EHJ43X15 00
CL21	14N4F +3.5% -3.5% 1K6V
CL21	14N4F +3.5% -3.5% 1K6V
CL21	14N0F +3.5% -3.5% 1K5V
CL22	30N0F +5% -5% 400.0V
CL22	30N0F +5% -5% 400.0V
CL22	30N0F +5% -5% 1K6V
CL24	440N0F +5% -5% 400.0V
CL24	470N0F +5% -5% 250.0V
CL24	440N0F +5% -5% 250.0V
CL24	440N0F +5% -5% 250.0V
CL24A	440N0F +5% -5% 250.0V
CL41	100P0F +10% -10% 50.0V
CL48	10N0F +10% 63.0V
CL48	10N0F +10% 100.0V
DL48	BAV103 200.0V
DL71	BZX55B24 24V 500MI0W
DL71	BZX55C24 24V 500MI0W
DL71	BZX55C30 30V 500MI0W
JL60	WIREBARE 22
JL81	0 OHM +0% 100MI0W
JP80	0 OHM +0% 100MI0W
LB02	18U0H +7% -7%
LB02	21U0H +5% -5%
LB02	21U0H +5% -5%
LL05	TF-DST M30FBC3 10545610 3087
LL05	TF-DST M30FBC3 10560190 3087
LL05	TF-DST M30FBC3 10560680 3087
LL22	650U0H +5% -5%
LL22	650U0H +5% -5% EAST-WEST
LL26	26U5H +10%
LL26	30U5H 2519 A0
RF04	1R21 OHM +1% 700MI0W
RF05	1R0 OHM +1% 700MI0W
RF05	1R21 OHM +1% 700MI0W
RF05	12R1 OHM +1% 100MI0W
RL02	10K0 OHM +5% 100MI0W
RL02	9K94 OHM +1% 100MI0W
RL02	499R0 OHM +1% 100MI0W
RL03	10K0 OHM +1% 100MI0W
RL03	11K5 OHM +1% 100MI0W
RL04	10K0 OHM +1% 100MI0W
RL04	20K0 OHM +1% 100MI0W
RL04	11K5 OHM +1% 100MI0W
RL05	10K0 OHM +1% 100MI0W
RL05	20K0 OHM +1% 100MI0W
RL05	11K5 OHM +1% 100MI0W
RL06	8K25 OHM +1% 100MI0W
RL06	4K75 OHM +1% 100MI0W
RL06	9K09 OHM +1% 100MI0W
RL06	11K5 OHM +1% 100MI0W
RL11	4R7 OHM +10% 250MI0W
RL11	4R7 OHM +5% 250MI0W
RL19	22K0 OHM +5% 100MI0W
RL19	33K0 OHM +5% 100MI0W
RL43	68K1 OHM +1% 250MI0W
RL43	68K1 OHM +1% 100MI0W
RL43	68K1 OHM +1% 100MI0W
RL45	180K0 OHM +5% 100MI0W
RL45	270K0 OHM +5% 100MI0W
RL46	12K0 OHM +5% 100MI0W
RL47	33K0 OHM +5% 100MI0W
RL48	75K8 OHM +1% 100MI0W
RL48	80K4 OHM +1% 100MI0W
RL64	8K25 OHM +1% 100MI0W
RL65	24K0 OHM +5% 250MI0W
RV20	33K2 OHM +1% 250MI0W
RV29	33K2 OHM +1% 100MI0W
ZL13	MP63 630M10 A 65.0V

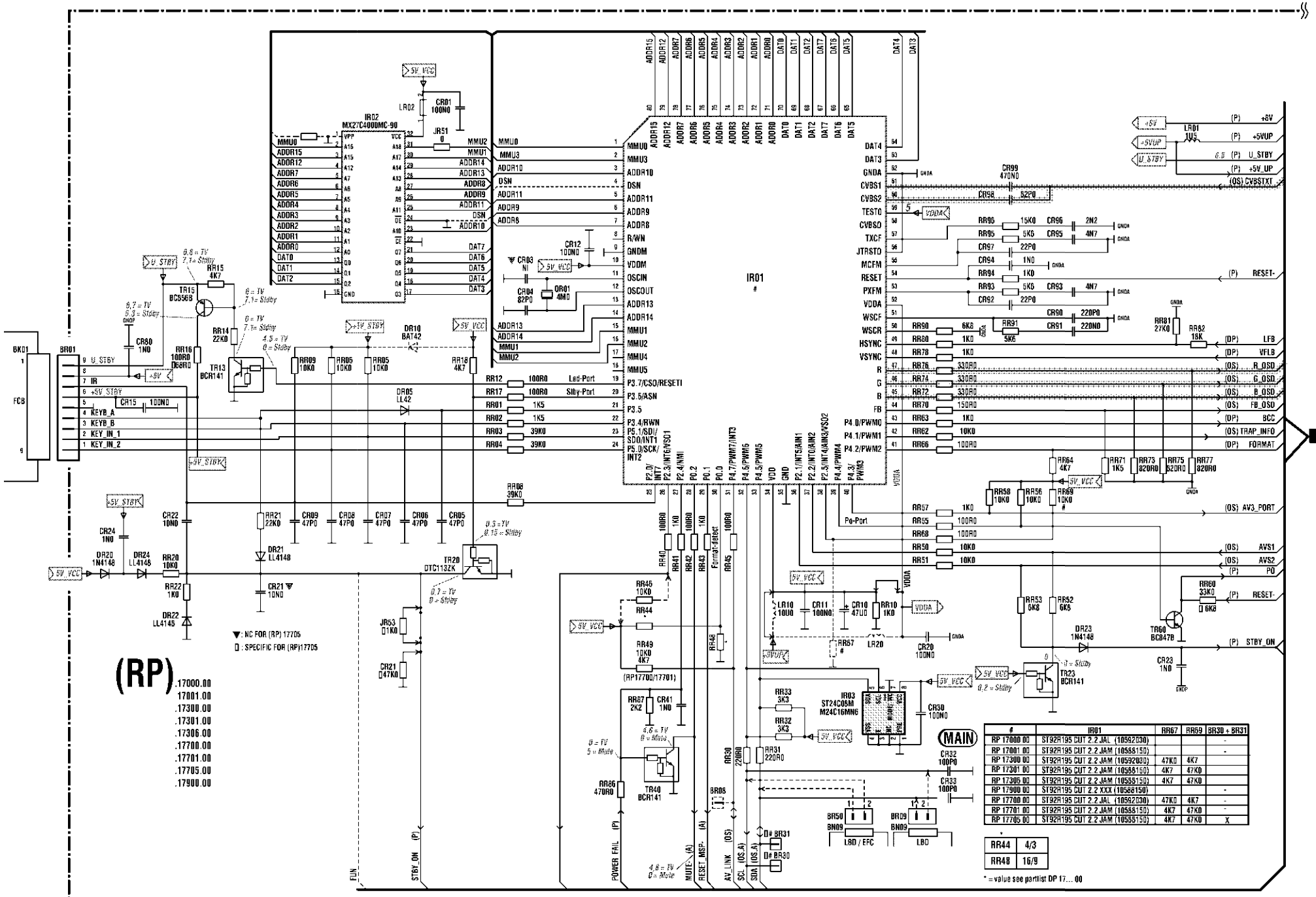
	TV PSD CT 17071 26 TV ASY A59EGD048X36 19 TV ASY A59EGD048X36 19 TV ASY A68EGD038X36 (A) 68 00 TV ASY A68EGD038X36 (A) 68 00 TV ASY A68EJV038X30 68 00 TV ASY A68AEJ15X01 (A) 00
CL21	16N2F +3.5% -3.5% 1K6V
CL21	16N2F +3.5% -3.5% 1K6V
CL21	16N2F +3.5% -3.5% 2K0V
CL21A	16N2F +3.5% -3.5% 1K6V
CL22	30N0F +5% -5% 400.0V
CL22	30N0F +5% -5% 400.0V
CL22	30N0F +5% -5% 400.0V
CL24	560N0F +5% -5% 250.0V
CL24	510N0F +5% -5% 250.0V
CL24	560N0F +5% -5% 250.0V
CL24	510N0F +5% -5% 250.0V
CL41	100P0F +10% -10% 50.0V
CL48	10N0F +10% 63.0V
CL48	10N0F +10% 100.0V
DL48	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55C24 24V 500MI0W
DL71	D-ZENER BZX55C24 24V 500MI0W
DL71	D-ZENER BZX55C30 30V 500MI0W
JL60	WIREBARE 22
JL80	RCFC2M0N 0 OHM +0% 100MI0W
LB02	LF 29U0H +4% -4%
LB02	LF 32U0H +4% -4%
LL05	TF-DST TDS29 15314470 11
LL05	TF-DST TDS29 15326730 18
LL05	TF-DST TDS29 15393020 15
LL22	LF 650U0H +5% -5%
LL22	LF 650U0H +5% -5% EAST-WEST
LL26	LL 26U5H +10%
LL26	LL 22U0H +10%
RF04	1R82 OHM +1% 700MI0W
RF05	1R6 OHM +1% 700MI0W
RF05	1R21 OHM +1% 700MI0W
RF05	1R82 OHM +1% 700MI0W
RF06	10R6 OHM +1% 100MI0W
RL02	6K8 OHM +5% 100MI0W
RL02	6K04 OHM +1% 100MI0W
RL03	4K75 OHM +1% 100MI0W
RL04	7K5 OHM +1% 100MI0W
RL04	4K75 OHM +1% 100MI0W
RL05	7K5 OHM +1% 100MI0W
RL05	4K75 OHM +1% 100MI0W
RL06	4K25 OHM +1% 100MI0W
RL11	4R7 OHM +5% 250MI0W
RL19	15K0 OHM +5% 100MI0W
RL19	18K0 OHM +5% 100MI0W
RL35	4R7 OHM +5% 250MI0W
RL43	68K1 OHM +1% 250MI0W
RL43	16K0 OHM +1% 100MI0W
RL45	470K0 OHM +5% 100MI0W
RL46	12K0 OHM +5% 100MI0W
RL47	33K0 OHM +5% 100MI0W
RL48	100K0 OHM +5% 100MI0W
RL48	16K0 OHM +1% 100MI0W
RL48	130K0 OHM +5% 100MI0W
RL49	360K0 OHM +5% 100MI0W
RL49	1M0 OHM +5% 100MI0W
RL64	8K25 OHM +1% 100MI0W
RL65	4K7 OHM +5% 250MI0W
RV20	33K2 OHM +1% 250MI0W
ZL13	MP63 630M10 A 65.0V

	TV PSD CT 17361 32 TV ASY A59EHJ43X15 00 TV ASY A56EHJ43X15 00
CL21	14N4F +3.5% -3.5% 1K6V
CL22	30N0F +5% -5% 400.0V
CL22	30N0F +5% -5% 400.0V
CL24	440N0F +5% -5% 250.0V
CL41	100P0F +5% -5% 50.0V
CL41	100P0F +10% -10% 50.0V
CL48	0N0F +10% 100.0V
DL48	BAV103 200.0V
DL71	BZX55B24 24V 500MI0W
JL60	WIREBARE 22
JL81	0 OHM +0% 100MI0W
LB02	LF 21U0H +5% -5%
LL05	TF-DST M30FB3
LL05	TF-DST M30FBC3
LL05	TF-DST M30FBC3
LL22	LF 650U0H +5% -5%
LL26	LL 26U5H +10%
RF05	1R6 OHM +1% 700MI0W
RL02	10K0 OHM +5% 100MI0W
RL03	10K0 OHM +1% +100MI0W
RL04	10K0 OHM +1% +100MI0W
RL05	10K0 OHM +1% +100MI0W
RL06	8K25 OHM +1% +100MI0W
RL19	22K0 OHM +5% 100MI0W
RL35	4R7 OHM +5% 250MI0W
RL45	180K0 OHM +5% 100MI0W
RL48	75K8 OHM +1% +100MI0W
RL64	24K0 OHM +5% 250MI0W
RV29	33K2 OHM +1% 250MI0W

	TV PSD CT 17035 26 TV ASY AS1EF883X191 03
CL21	8N3F +3.5% -3.5% 2K0V
CL21	9N3F +3.5% -3.5% 1K6V
CL21	9N8F +3.5% -3.5% 1K6V
CL21A	8N3F +3.5% -3.5% 1K5V
CL22	33N0F +5% -5% 400.0V
CL22	36N0F +5% -5% 400.0V
CL22	33N0F +5% -5% 1K0V
CL24	440N0F +5% -5% 250.0V
CL24	440N0F +5% -5% 250.0V
CL24	440N0F +5% -5% 250.0V
CL24A	440N0F +5% -5% 250.0V
CL41	1N0F +10% -10% 50.0V
CL48	100N0F +5% 63.0V
DL71	D-ZENER BZX55C20 20V 500MI0W
DL71	D-ZENER BZX55C24 24V 500MI0W
DL71	D-ZENER BZX55C30 30V 500MI0W
JL60	WIREBARE 22
JL80	0 OHM +0%
JP81	0 OHM +0%
LB02	LF 18U0H +7% -7%
LB02	LF 21U0H +5% -5%
LL05	F-DST M30FBC3 13555540 3087
LL22	LF 650U0H +5% -5%
LL22	LF 650U0H +5% -5% EAST-WEST
LL26	LL 05U0H 2519 A0
LL26	LL 39U0H +10%
RF04	1R21 OHM +1% 700MI0W
RF05	1R21 OHM +1% 700MI0W
RF05	1R5 OHM +1% 700MI0W
RF06	10R0 OHM +1% +100PPM/°C
RL02	6K2 OHM +5%
RL02	5K04 OHM +1%
RL03	10K0 OHM +1%
RL04	10K0 OHM +1%
RL04	20K0 OHM +1%
RL05	10K0 OHM +1%
RL0	20K0 OHM +1%
RL06	10K0 OHM +1%
RL06	3K32 OHM +1%
RL11	4R7 OHM +10% 250MI0W
RL11	4R7 OHM +5% 250MI0W
RL19	18K0 OHM +5%
RL43	68K1 OHM +1% 250MI0W
RL43	68K1 OHM +1% 100MI0W
RL45	82K0 OHM +5%
RL45	110K0 OHM +5%
RL45	470K0 OHM +5%
RL46	12K0 OHM +5%
RL47	33K0 OHM +5%
RL48	100K0 OHM +1%
RL49	75K8 OHM +1%
RL49	80K4 OHM +1%
RL64	8K25 OHM +1%
RL65	4K7 OHM +5% 250MI0W
RV29	3K7 OHM +1% 250MI0W
RV29	33K2 OHM +1% 250MI0W
RV29	33K2 OHM +1%
ZL13	MP63 630M10 A 65.0V

	TV PSD CT 17062 26 TV ASY A56AEJ15X01 (A) 00
CL21	16N2F +3.5% -3.5% 1K6V
CL21	16N3F +3.5% -3.5% 2K0V
CL21	16N5F +3.5% -3.5% 1K6V
CL21A	16N5F +3.5% -3.5% 1K6V
CL22	30N0F +5% -5% 400.0V
CL22	30N0F +5% -5% 1K6V
CL22	30N0F +5% -5% 400.0V
CL24	560N0F +5% -5% 250.0V
CL24	560N0F +5% -5% 250.0V
CL41	100P0F +10% -10% 50.0V
CL48	10N0F +10% 63.0V
CL48	10N0F +10% 100.0V
DL48	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55C24 24V 500MI0W
DL71	D-ZENER BZX55C24 24V 500MI0W
DL71	D-ZENER BZX55C30 30V 500MI0W
JL60	WIREBARE 22
JL80	0 OHM +0% 100MI0W
LB02	LF 32U0H +4% -4%
LL05	TF-DST TDS29 15314470 11
LL05	TF-DST TDS29 15393010 14
LL22	LF 650U0H +5% -5%
LL22	LF 650U0H +5% -5% EAST-WEST
LL26	LL 26U5H +10%
LL26	LL 22U0H +10%
RF05	1R0 OHM +1% 700MI0W
RF05	1R21 OHM +1% 700MI0W
RF06	10R0 OHM +1% 100MI0W
RL02	6K2 OHM +5% 100MI0W
RL02	6K04 OHM +1% 100MI0W
RL03	4K75 OHM +1% 100MI0W
RL04	4K75 OHM +1% 100MI0W
RL05	4K75 OHM +1% 100MI0W
RL06	6K81 OHM +1% 100MI0W
RL06	10K0 OHM +1% 100MI0W
RL19	13K0 OHM +5% 100MI0W
RL35	4R7 OHM +5% 250MI0W
RL45	150K0 OHM +5% 100MI0W
RL48	75K8 OHM +1% 100MI0W
RL48	100K0 OHM +5% 100MI0W
RL49	560K0 OHM +5% 100MI0W
RL65	4K7 OHM +5% 250MI0W
RV20	33K7 OHM +1% 250MI0W
RV20	33K2 OHM +1% 250MI0W

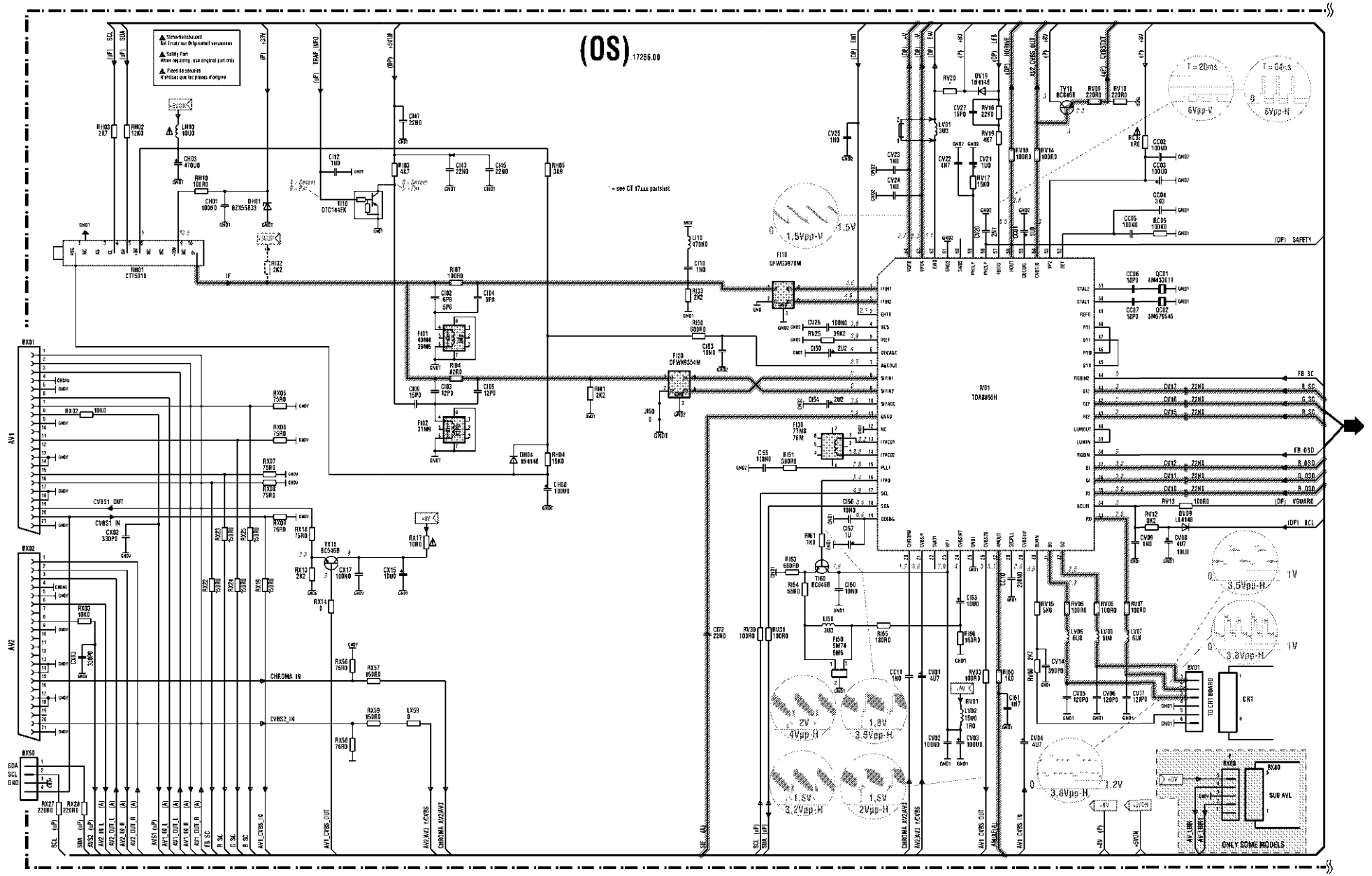
CONTROL MICROPROCESSOR - MICROPROCESSEUR DE COMMANDE - MIKROPROZESSOR - MICROPROCESSORE DEI COMANDI - MICROPROCESADOR DE LOS MANDOS



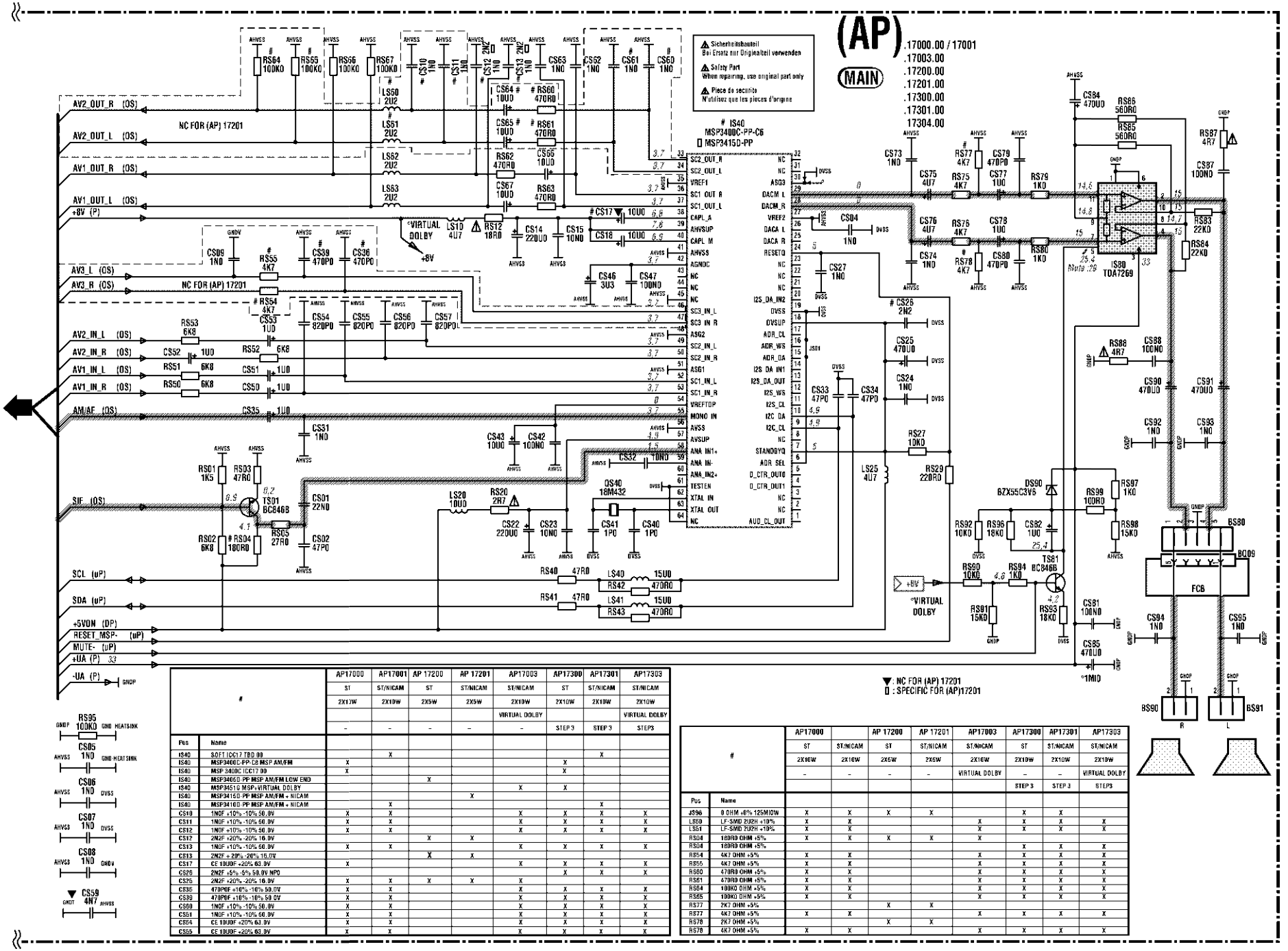
#	IR01	RR67	RR69	BR30 + BR31
RP 17000 00	ST92R195 CUT 2.2 JAL (10592030)			-
RP 17001 00	ST92R195 CUT 2.2 JAM (10588150)			-
RP 17300 00	ST92R195 CUT 2.2 JAM (10592030)	47KΩ	4K7	
RP 17301 00	ST92R195 CUT 2.2 JAM (10588150)	4K7	47KΩ	
RP 17305 00	ST92R195 CUT 2.2 JAM (10588150)	4K7	47KΩ	
RP 17900 00	ST92R195 CUT 2.2 XXX (10588150)			-
RP 17700 00	ST92R195 CUT 2.2 JAL (10592030)	47KΩ	4K7	-
RP 17701 00	ST92R195 CUT 2.2 JAM (10588150)	4K7	47KΩ	-
RP 17705 00	ST92R195 CUT 2.2 JAM (10588150)	4K7	47KΩ	X

RR44	4/3
RR48	16/9

RF/FI/ SCART INTERFACE/VIDEO SIGNAL PROCESSING -HF/FI INTERFACE PERITELEVISION/TRAITEMENT LUMINANCE CHROMINANCE - HF/ZF/ SCART INTERFACE/VIDEO SIGNALVERARBEITUNG - RF/FI /PRESA PERITEL/ELABORAZIONE VIDEO - RF/FI /EUROCONECTOR/TRATAMENTO VIDEO



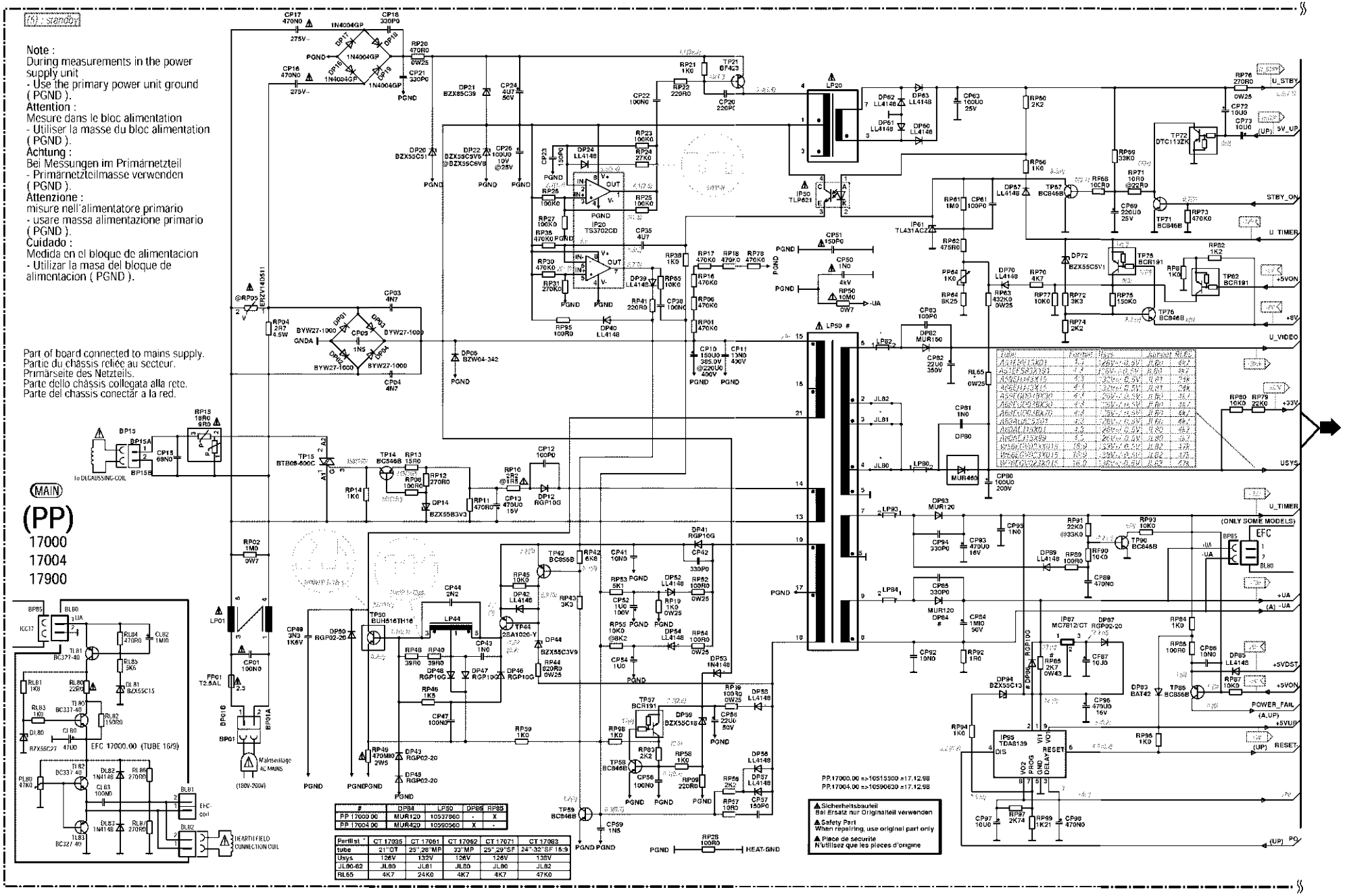
AMPLIFIER SCHEMATIC DIAGRAM - SCHEMA DE L'AMPLIFICATEUR - SCHALTBILD AUDIO-SIGNALVERABEITUNG - SCHEMA DELL' AMPLIFICATORE
ESQUEMA DEL AMPLIFICADOR
(STEREO)



#		AP17000	AP17001	AP 17200	AP 17201	AP17003	AP17300	AP17301	AP17303
		ST	ST/NICAM	ST	ST/NICAM	ST/NICAM	ST	ST/NICAM	ST/NICAM
		2X10W	2X10W	2X5W	2X5W	2X10W	2X10W	2X10W	2X10W
						VIRTUAL DOLBY			VIRTUAL DOLBY
		-	-	-	-	-	STEP 3	STEP 3	STEP3
Pos	Name								
IS40	SOFT (CC17 TBD 00		X					X	
IS40	MSP3400C-PP-C6 MSP AM/FM	X					X		
IS40	MSP 3400C (CC17 00	X					X		
IS40	MSP34060-PP MSP AM/FM LOW END			X					
IS40	MSP3451G MSP+VIRTUAL DOLBY					X	X		
IS40	MSP3415D-PP MSP AM/FM + NICAM				X				
IS40	MSP34100-PP MSP AM/FM + NICAM		X					X	
CS10	1N0F +10% -10% 50.0V	X	X			X	X	X	X
CS11	1N0F +10% -10% 50.0V	X	X			X	X	X	X
CS12	1N0F +10% -10% 50.0V	X	X			X	X	X	X
CS12	2N2F +20% -20% 16.0V			X	X				
CS13	1N0F +10% -10% 50.0V	X	X			X	X	X	X
CS13	2N2F + 20% -20% 16.0V			X	X				
CS17	CE 10U0F +20% 63.0V	X				X	X	X	X
CS26	2N2F +5% -5% 50.0V NPO						X	X	X
CS26	2N2F +20% -20% 16.0V	X	X	X	X	X			
CS36	470P0F +10% -10% 50.0V	X	X			X	X	X	X
CS39	470P0F +10% -10% 50.0V	X	X			X	X	X	X
CS59	1N0F +10% -10% 50.0V	X	X			X	X	X	X
CS61	1N0F +10% -10% 50.0V	X	X			X	X	X	X
CS64	CE 10U0F +20% 63.0V	X	X			X	X	X	X
CS65	CE 10U0F +20% 63.0V	X	X			X	X	X	X

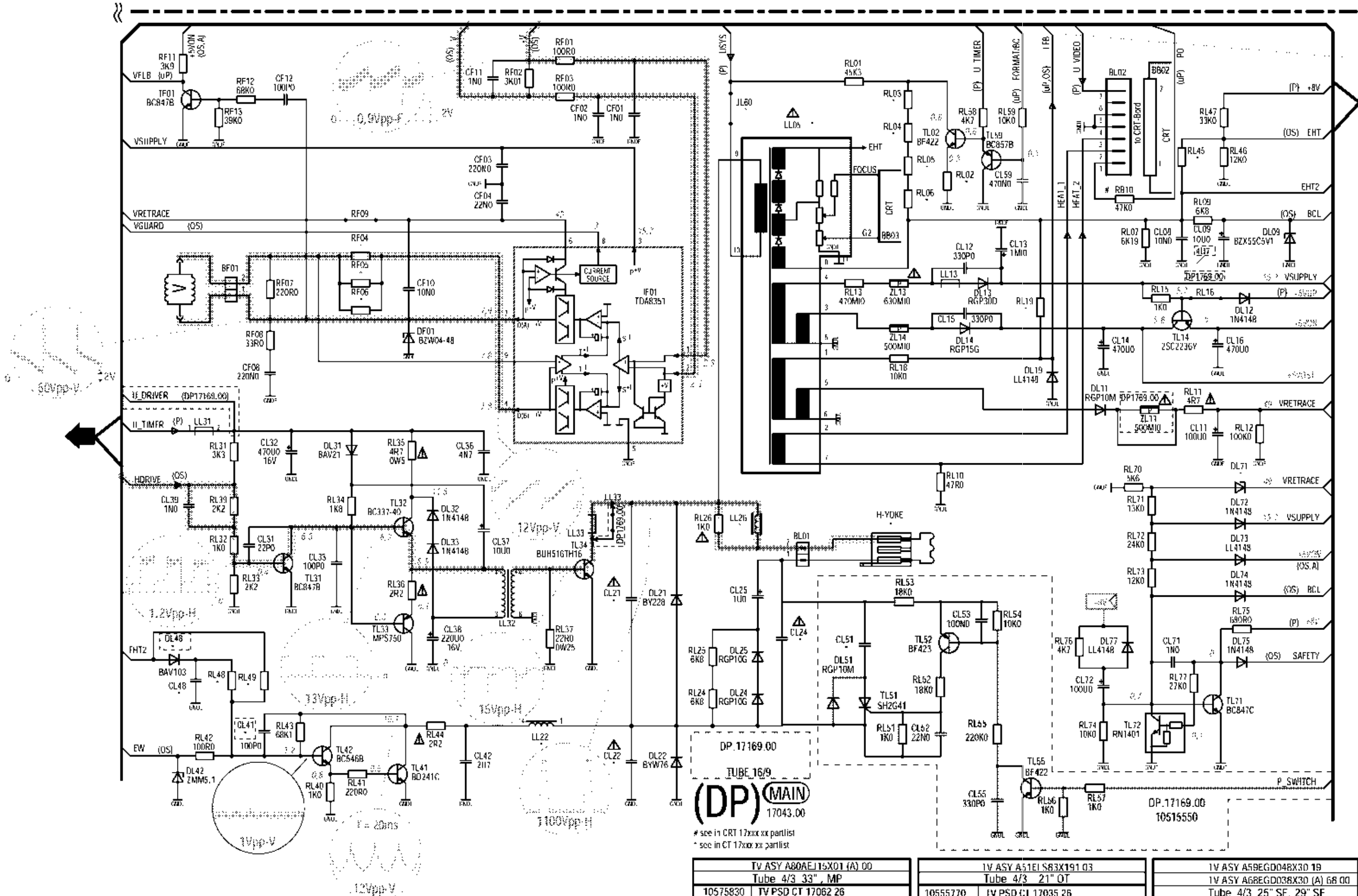
#		AP17000		AP 17200	AP 17201	AP17003	AP17300	AP17301	AP17303
		ST	ST/NICAM	ST	ST/NICAM	ST/NICAM	ST	ST/NICAM	ST/NICAM
		2X10W	2X10W	2X5W	2X5W	2X10W	2X10W	2X10W	2X10W
		-	-	-	-	VIRTUAL DOLBY	-	-	VIRTUAL DOLBY
							STEP 3	STEP 3	STEP3
Pos	Name								
JS90	0 OHM +5% 125MI0W	X	X	X	X		X	X	
LS00	LF-SMD 2U2H +10%	X	X			X	X	X	X
LS51	LF-SMD 2U2H +10%	X	X			X	X	X	X
RS04	180R0 OHM +5%	X	X	X	X	X			
RS04	180R0 OHM +5%						X	X	X
RS54	4K7 OHM +5%	X	X			X	X	X	X
RS55	4K7 OHM +5%	X	X			X	X	X	X
RS60	470R0 OHM +5%	X	X			X	X	X	X
RS61	470R0 OHM +5%	X	X			X	X	X	X
RS64	100K0 OHM +5%	X	X			X	X	X	X
RS65	100K0 OHM +5%	X	X			X	X	X	X
RS77	2K7 OHM +5%			X	X				
RS77	4K7 OHM +5%	X	X			X	X	X	X
RS78	2K7 OHM +5%			X	X				
RS78	4K7 OHM +5%	X	X			X	X	X	X

POWER SUPPLY - ALIMENTATION - NETZTEIL - ALIMENTAZIONE - ALIMENTACIÓN



#	DP84	LP50	DP86	RP88
PP 17000.00	MUR120	10537860	-	X
PP 17004.00	MUR420	10590560	X	-

Perfilist °	CT 17035	CT 17061	CT 17062	CT 17071	CT 17083
tube	21"CT	25"/28"MP	33"MP	25"/29"SF	24"-32"SF 16:9
Usys	126V	132V	126V	126V	138V
JL80-82	JL80	JL81	JL80	JL80	JL82
RL65	4K7	24K0	4K7	4K7	47K0



see in CRT 17xxx xx partlist
* see in CT 17xxx xx partlist

TV ASY A59EHJ43X15 00 TV ASY A66EHJ43X15 00 Tube 4/3 25", 28" , MP /Vectorgun	
10518330	TV PSD CT 17061 32
CL21	14N0F +3.5% 3.5% 1K5V
CL22	30N0F +5% 5% 400.0V
CL24	470N0F +5% 5% 250.0V
CL24	440N0F +5% -5% 250.0V
CL41	100P0F +10% -10% 50.0V
CL48	CPM 10N0F +10% 63.0V
DL48	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55C30 30V 500MI0W
JL60	WIREBARE 22
JL81	0 OHM +0% 100MI0W
JP80	0 OHM +0% 100MI0W
LB02	LF 18U0H -7% -7%
LL05	TF-DST M30FBC3 10546610 3087 A0
LL22	LF 650U0H +5% 5% R 2873 A0 00
LL26	LL 26U5H +10%
LL26	LL 30U5H 2519 A0
RL04	1R21 OHM +1% 700MI0W
RL05	1R0 OHM +1% 700MI0W
RF05	1R21 OHM +1% 700MI0W
RF06	12R1 OHM +1% 100MI0W
RL02	10K0 OHM +5% 100MI0W
RL02	6K04 OHM +1% 100MI0W
RL02	499R0 OHM +1% 100MI0W
RL03	10K0 OHM +1% 100MI0W
RL03	11K5 OHM +1% 100MI0W
RL04	10K0 OHM +1% 100MI0W
RL04	20K0 OHM +1% 100MI0W
RL04	11K5 OHM +1% 100MI0W
RL05	10K0 OHM +1% 100MI0W
RL05	20K0 OHM +1% 100MI0W
RL05	11K5 OHM +1% 100MI0W
RL06	4K75 OHM +1% 100MI0W
RL06	11K5 OHM +1% 100MI0W
RL11	4R7 OHM +10% 250MI0W
RL11	4R7 OHM +5% 250MI0W
RL19	22K0 OHM +5% 100MI0W
RL19	33K0 OHM +5% 100MI0W
RL43	68K1 OHM +1% 250MI0W
RL43	68K1 OHM +1% 250MI0W
RL43	68K1 OHM +1% 100MI0W
RL45	180K0 OHM -5% 100MI0W
RL45	270K0 OHM -5% 100MI0W
RL46	12K0 OHM +5% 100MI0W
RL47	33K0 OHM +5% 100MI0W
RL48	76K8 OHM +1% 100MI0W
RL48	60K4 OHM +1% 100MI0W
RL64	8K25 OHM +1% 100MI0W
RL65	RCI 24K0 OHM +5% 250MI0W
RV20	RMF 33K2 OHM -1% 250MI0W
RV20	33K2 OHM +1% 100MI0W
ZL13	PROTEC MOD MP63 630MI0 A 65.0V

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

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.

La sostituzione degli elementi di sicurezza (contrassegnati con il segno ⚠) con componenti non omologati secondo la norma CEI 65 comporta la non conformitá dell'apparecchio.
In tal caso é "esclusa la responsabilitá" del costruttore.

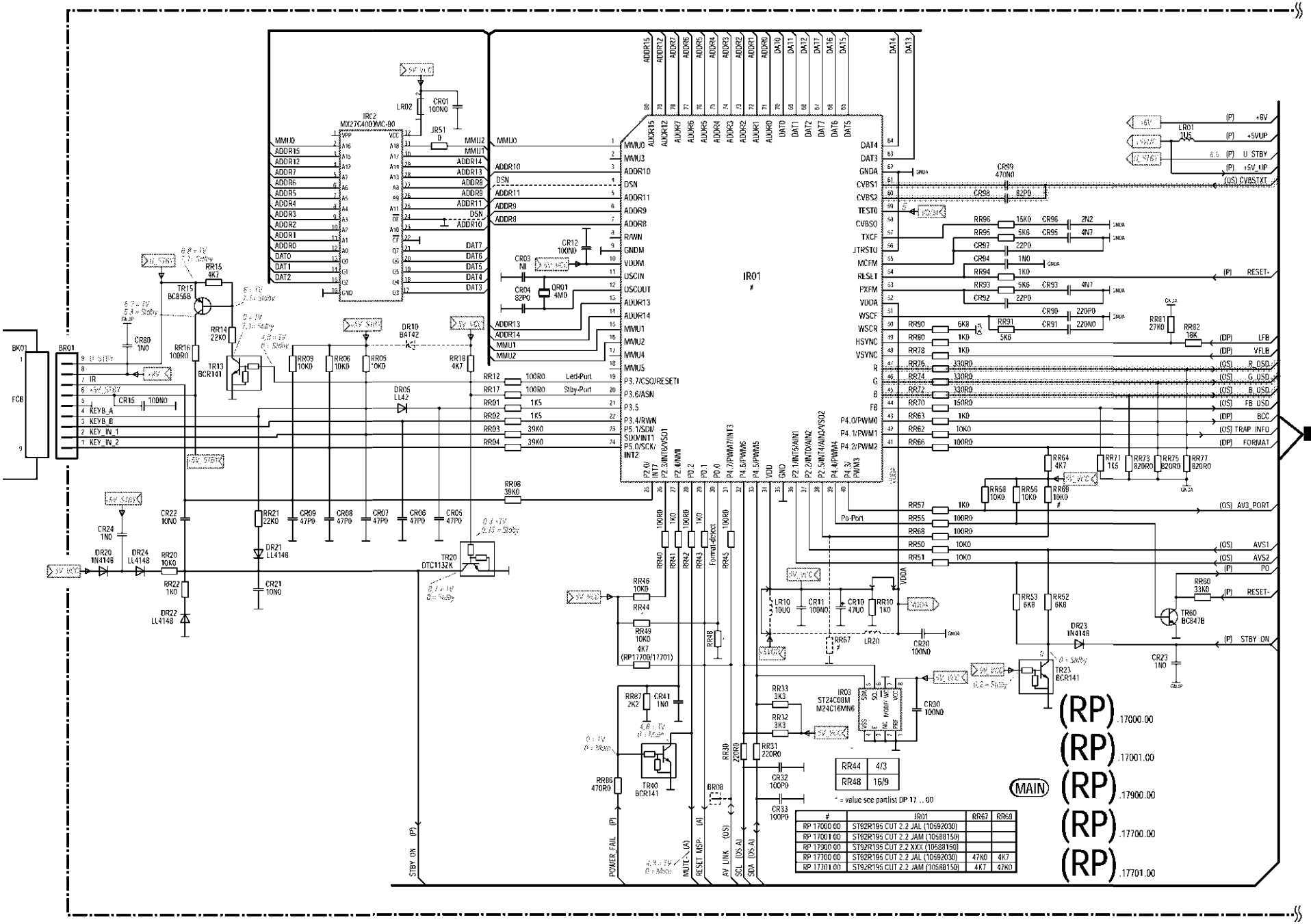
La subtitución de elementos de seguridad (marcados con el simbolo ⚠) por componentes no homologados segun la norma CEI 65, provoca la no conformidad del aparato.
En ese caso, el fabricante cesa de ser responsable.

TV ASY A80AEJ15X01 (A) 00 Tube 4/3 33" , MP	
10575830	TV PSD CT 17062 26
CL21	16N2F +3.5% 3.5% 1K6V
CL22	30N0F +5% 5% 400.0V
CL24	560N0F +5% 5% 250.0V
CL41	100P0F +10% 10% 50.0V
CL48	10N0F +10% 63.0V
DL48	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55C30 30V 500MI0W
JL60	WIREBARE 22
JL80	0 OHM +0% 100MI0W
LB02	LF 32U0H +4% -4%
LL05	TF-DST TDS29 TBD 11
LL22	LF 650U0H +5% -5% R 2873 A0 00
LL26	LL 26U5H +10%
RF05	1R21 OHM +1% 700MI0W
RF06	10R0 OHM +1% 100MI0W
RL02	6K04 OHM +1% 100MI0W
RL03	4K75 OHM +1% 100MI0W
RL04	4K75 OHM +1% 100MI0W
RL05	4K75 OHM +1% 100MI0W
RL06	6K81 OHM +1% 100MI0W
RL19	13K0 OHM +5% 100MI0W
RL45	150K0 OHM +5% 100MI0W
RL48	76K8 OHM +1% 100MI0W
RL49	560K0 OHM +5% 100MI0W
RL65	RCF 4K7 OHM -5% 250MI0W
RV20	RMF 23K7 OHM -1% 250MI0W

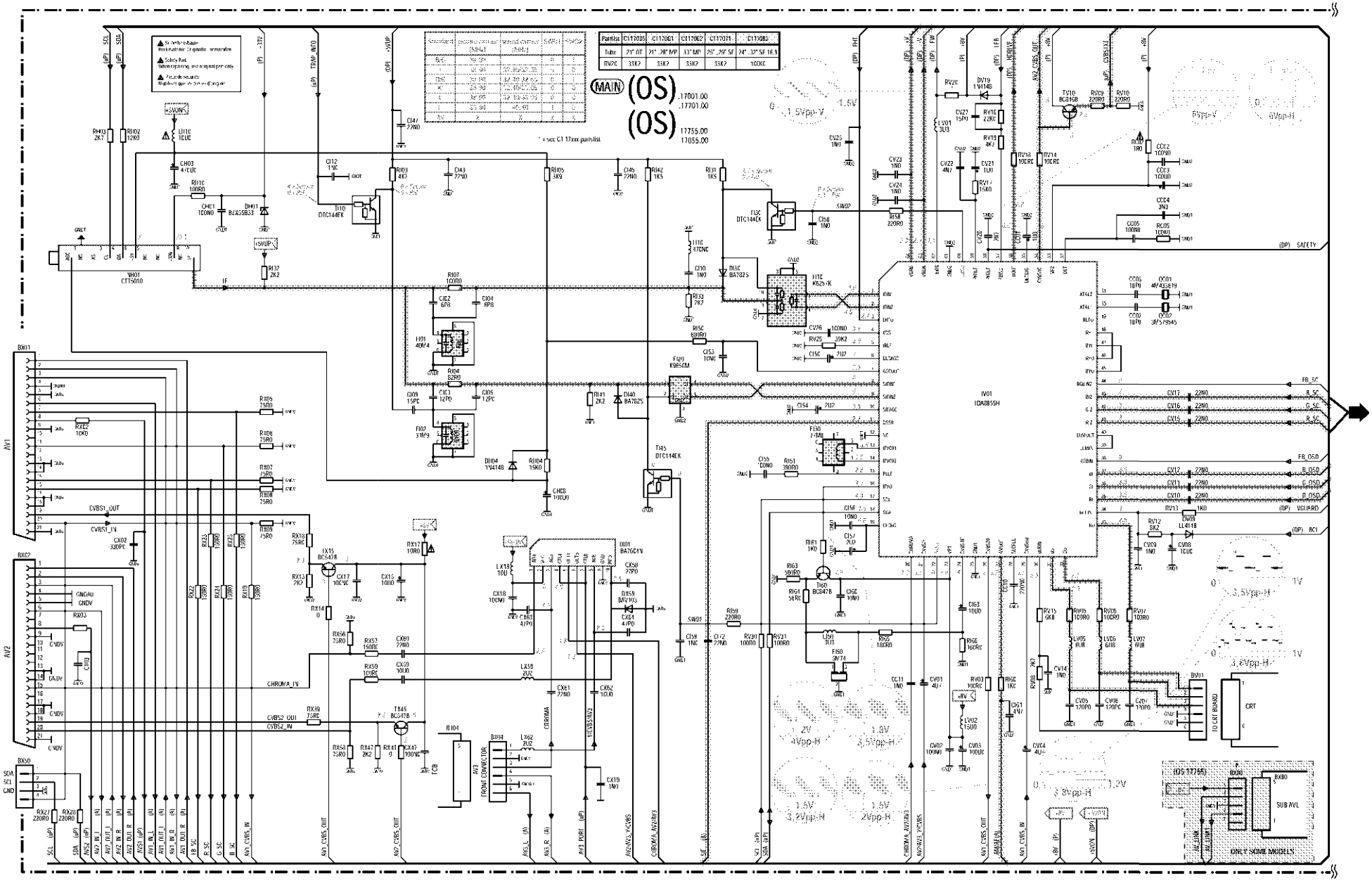
TV ASY A51ELS83X191 03 Tube 4/3 21" OT	
10555770	TV PSD CT 17035 26
CL21	8N3F +3.5% -3.5% 1K6V
CL22	33N0F +5% -5% 1K0V
CL24	440N0F -5% -5% 250.0V
CL41	1N0F +10% -10% 50.0V
DL71	D-ZENER BZX55C24 24V 500MI0W
JL60	WIREBARE 22
JL80	0 OHM -0% 100MI0W
LB02	LF 18U0H +7% -7%
LL05	TF-DST M30FBC3 10555640 3087 A0
LL22	LF 650U0H +5% -5% R 2873 A0 00
LL26	LL 85U0H 2519 A0
RL05	1R5 OHM +1% 700MI0W
RL06	10R0 OHM +1% 100MI0W
RL02	6K04 OHM +1% 100MI0W
RL03	10K0 OHM +1% 100MI0W
RL04	10K0 OHM +1% 100MI0W
RL05	10K0 OHM +1% 100MI0W
RL06	3K32 OHM +1% 100MI0W
RL45	110K0 OHM +5% 100MI0W
RL49	60K4 OHM +1% 100MI0W
RL65	4K7 OHM +5% 250MI0W
RV20	23K7 OHM +1% 250MI0W

TV ASY A59EGD048X30 19 TV ASY A68EGD038X30 (A) 68 00 Tube 4/3 25" SF, 29" SF	
10515520	TV PSD CT 17071 26
CL21	16N2F -3.5% -3.5% 1K6V
CL22	30N0F -5% -5% 400.0V
CL24	510N0F -5% -5% 250.0V
CL41	100P0F +10% -10% 50.0V
CL48	10N0F -10% 63.0V
DL48	D-SLP BAV103 200.0V
DL71	D-ZENER BZX55C30 30V 500MI0W
JL60	WIREBARE 22
JL80	0 OHM +0% 100MI0W
LB02	LF 32U0H +4% -4%
LL05	TF-DST TDS29 TBD 13
LL22	LF 650U0H +5% 5%
LL26	LL 26U5H +10%
RF05	RMI 1R0 OHM +1% 700MI0W
RL02	6K8 OHM +5% 100MI0W
RL03	4K75 OHM +1% 100MI0W
RL04	4K75 OHM +1% 100MI0W
RL05	4K75 OHM +1% 100MI0W
RL06	4K75 OHM +1% 100MI0W
RL19	15K0 OHM +5% 100MI0W
RL45	180K0 OHM +5% 100MI0W
RL48	100K0 OHM +5% 100MI0W
RL49	300K0 OHM +5% 100MI0W
RL65	4K7 OHM +5% 250MI0W
RV20	33K2 OHM +1% 250MI0W

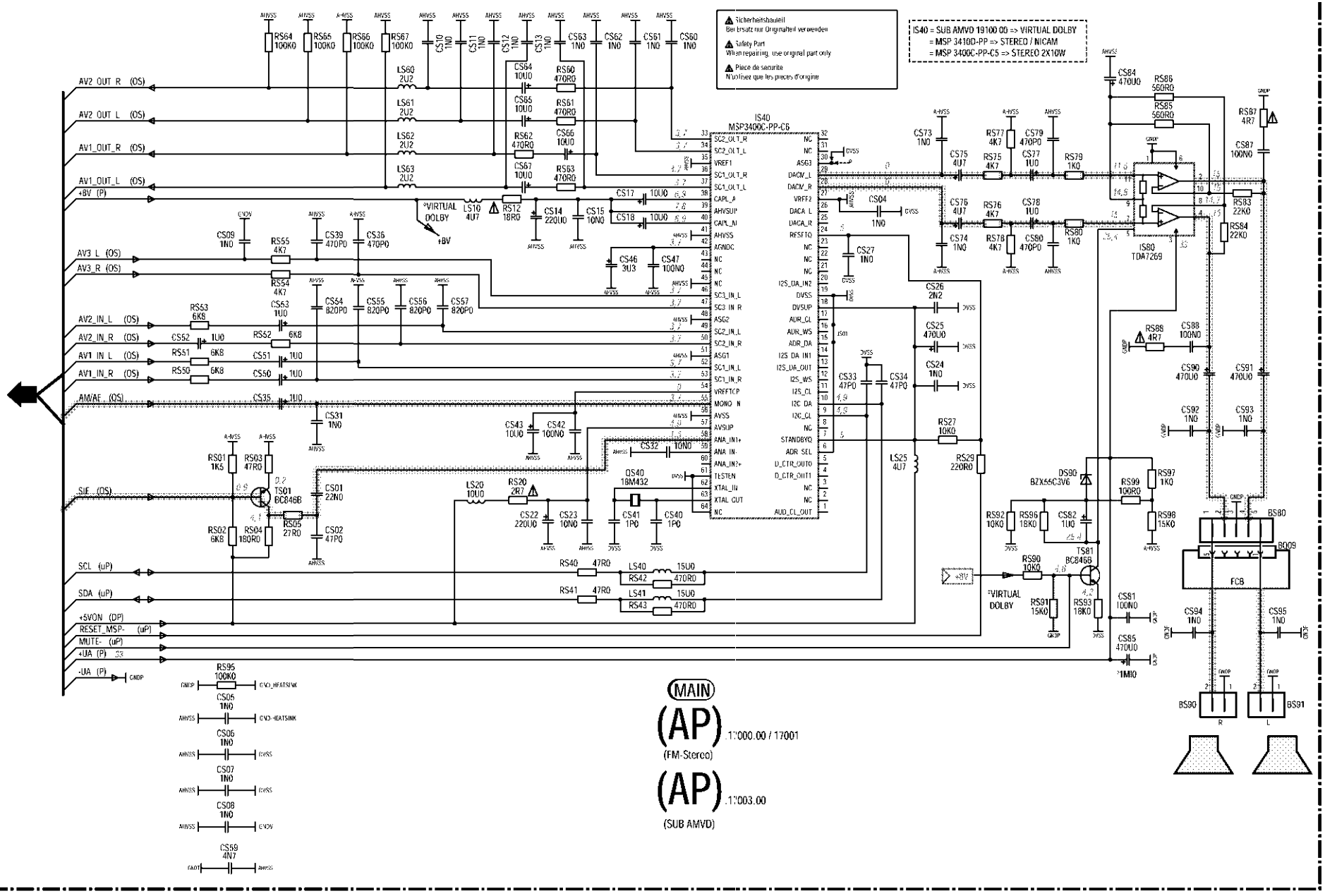
TV ASY W56EGV023X015 56 01 TV ASY W66EGV023X015 66 00 TV ASY W76EGV023X015 (A) 00 Tube 16/9 24", 28",32", SF / vectorgun	
10515530	TV PSD CT 17083 38
CL21	15N5F -3.5% -3.5% 1K6V
CL22	27N0F -5% -5% 400.0V
CL24	440N0F +5% -5% 250.0V
CL41	100P0F +10% -10% 50.0V
CL48	100N0F -5% 63.0V
CL51	290N0F +5% 5% 250.0V
DL48	D SLP BAV103 200.0V
DL71	D ZENER BZX55C24 24V 500MI0W
JL60	WIREBARE 22
JL82	0 OHM +0% 100MI0W
LB02	LF 32U0H -4% -4%
LL05	TF-DST TDS29 15314460 10
LL22	LF 650U0H -5% -5%
LL26	LL 30U5H 2519 A0
RF05	1R21 OHM +1% 700MI0W
RL02	4K99 OHM +1% 100MI0W
RL03	6K49 OHM +1% 100MI0W
RL04	6K49 OHM +1% 100MI0W
RL05	6K49 OHM +1% 100MI0W
RL06	2K37 OHM +1% 100MI0W
RL19	13K0 OHM +5% 100MI0W
RL45	390K0 OHM +5% 100MI0W
RL48	220K0 OHM +5% 100MI0W
RL49	180K0 OHM +5% 100MI0W
RL65	47K0 OHM +5% 250MI0W
RV20	100K0 OHM +1% 250MI0W


IR01
IR02 MX27C4000MC-90
IR03 ST24C08M M24C16MN6
MAIN
(RP) .17000.00
(RP) .17001.00
(RP) .17900.00
(RP) .17700.00
(RP) .17701.00
RR44 4/3
RR48 16/9
* = value see partlist DP 17 .. 00
# IR01 RR67 RR68
RP 17000.00 ST92R195 CUT 2.2 JAL (10592030)
RP 17001.00 ST92R195 CUT 2.2 JAM (10588150)
RP 17900.00 ST92R195 CUT 2.2 XXX (10588150)
RP 17700.00 ST92R195 CUT 2.2 JAL (10592030) 47K0 4K7
RP 17701.00 ST92R195 CUT 2.2 JAM (10588150) 4K7 47K0

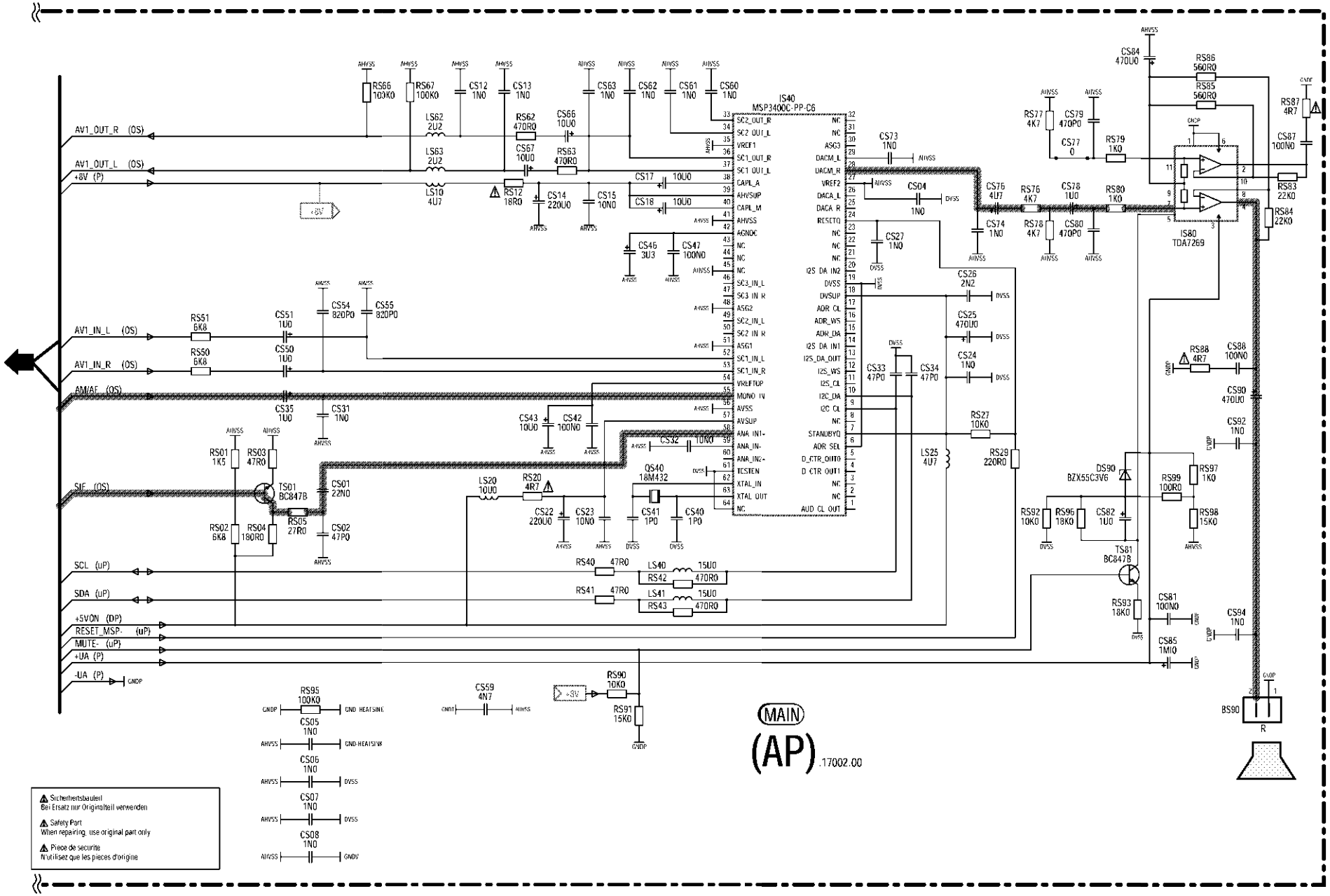
RF/FI/ SCART INTERFACE/VIDEO SIGNAL PROCESSING -HF/FI INTERFACE PERITELEVISION/TRAITEMENT LUMINANCE CHROMINANCE - HF/ZF/ SCART INTERFACE/VIDEO SIGNALVERARBEITUNG - RF/FI /PRESA PERITEL/ELABORAZIONE VIDEO - RF/FI /EUROCONECTOR / TRATAMENTO VIDEO



AMPLIFIER SCHEMATIC DIAGRAM - SCHEMA DE L'AMPLIFICATEUR - SCHALTBILD AUDIO-SIGNALVERABEITUNG - SCHEMA DELL' AMPLIFICATORE
ESQUEMA DEL AMPLIFICADOR
(STEREO)

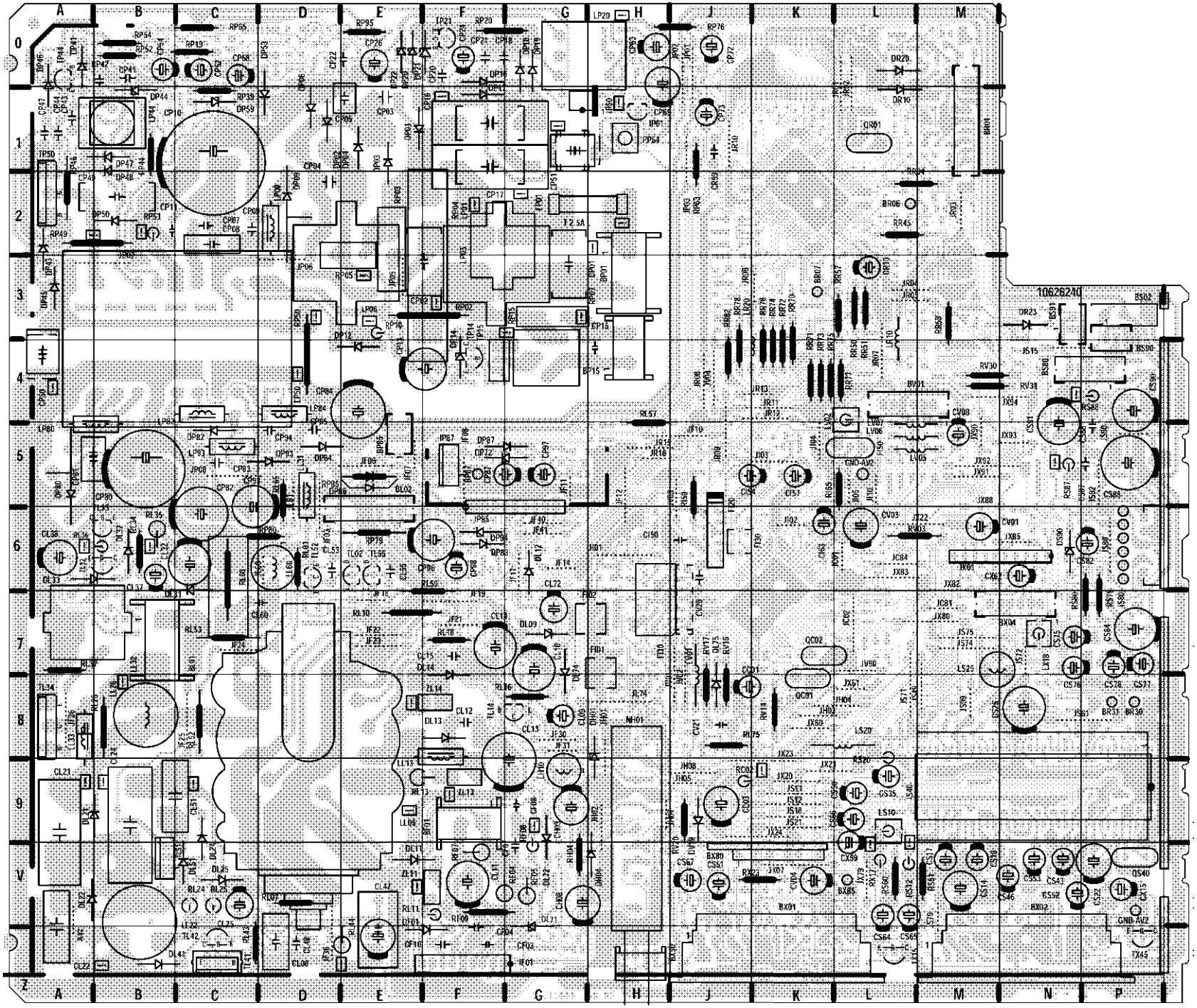


AMPLIFIER SCHEMATIC DIAGRAM - SCHEMA DE L'AMPLIFICATEUR - SCHALTBILD AUDIO-SIGNALVERABEITUNG - SCHEMA DELL' AMPLIFICATORE - ESQUEMA DEL AMPLIFICADOR
(MONO)



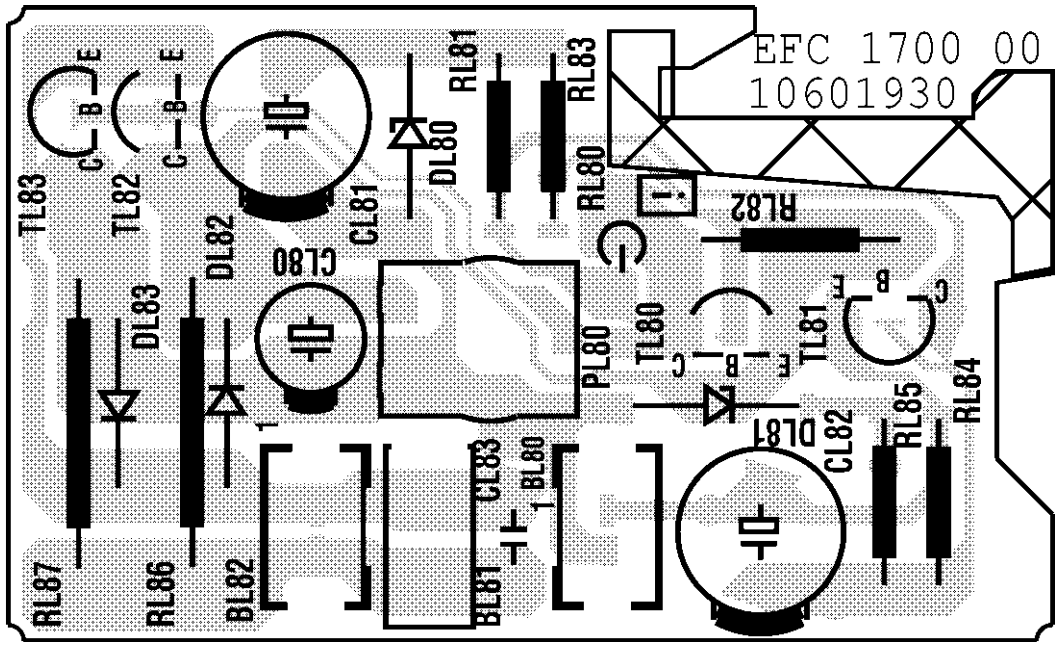
MAIN BOARD - PLATINE PRINCIPALE - CHASSIS GRUNDPLATTE - PIASTRA PRINCIPALE - PLATINA PRINCIPAL

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

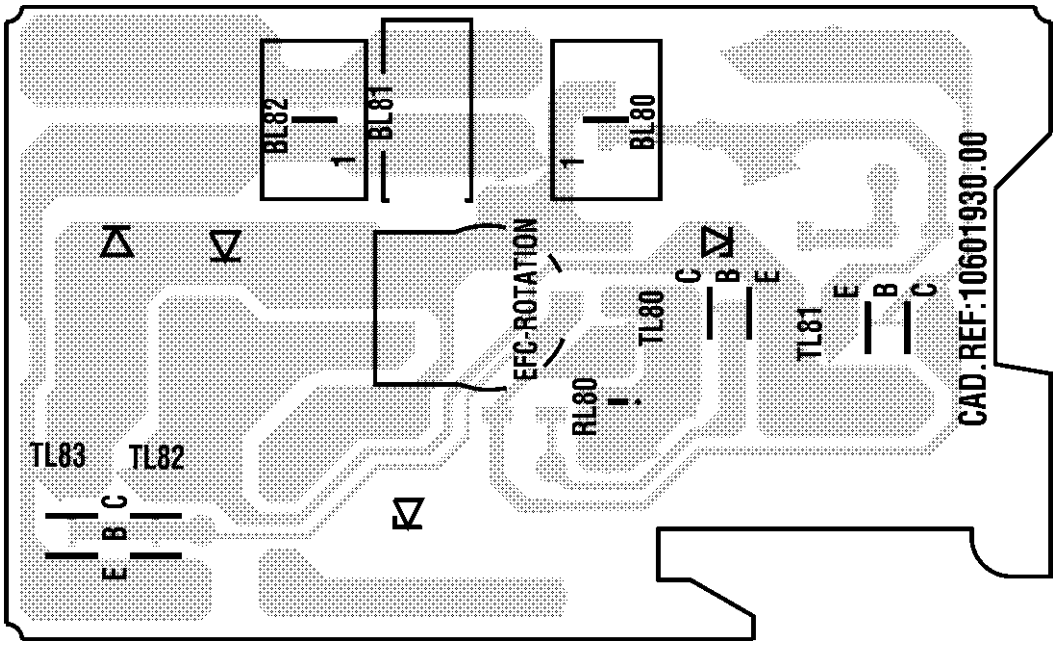


EFC 17000
EARTH-FIELD CORRECTION BOARD

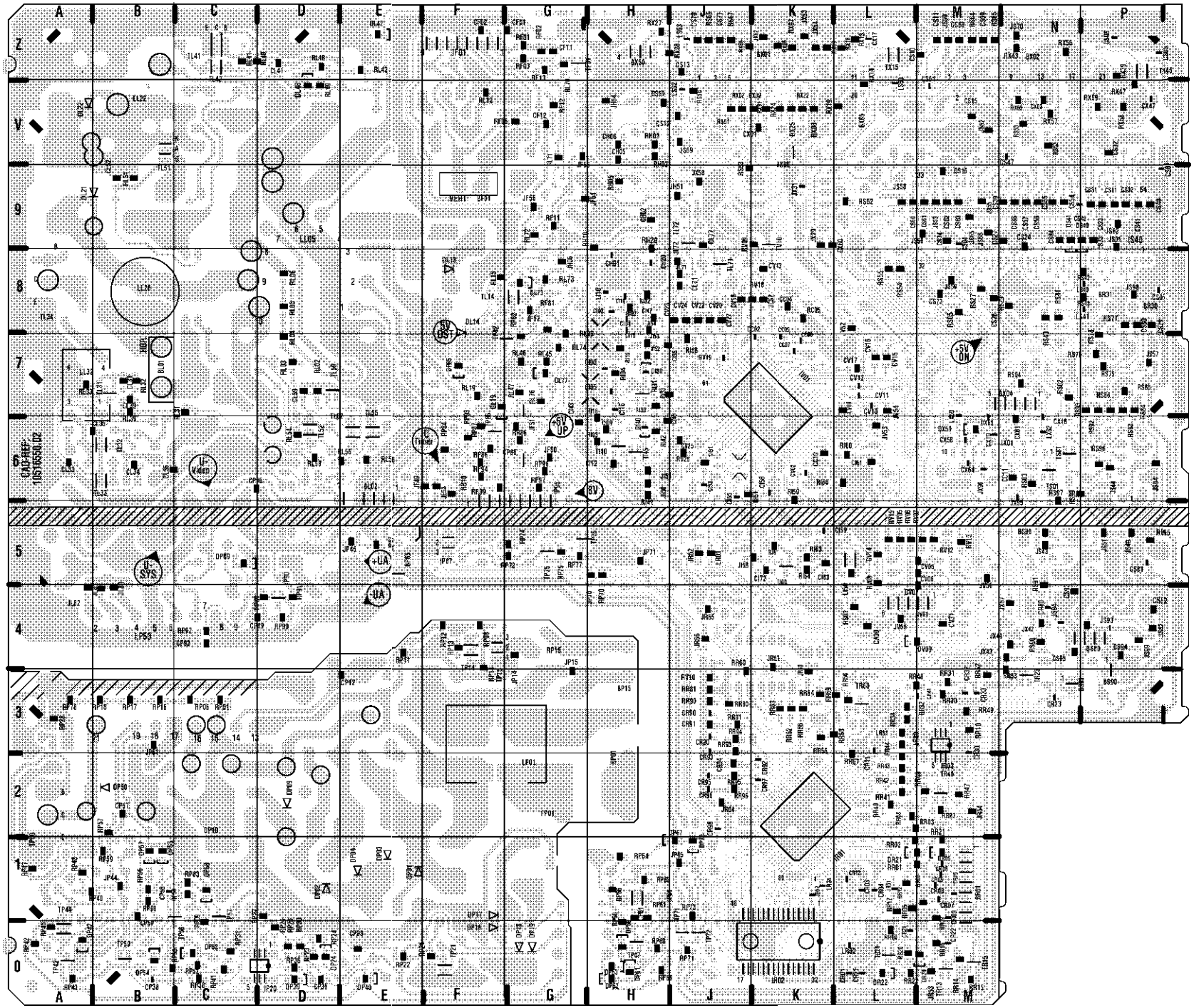
COMPONENT SIDE - CÔTE COMPOSANTS - BESTÜCKUNGSSEITE -LATO COMPONENTI
LADO COMPONENTES



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

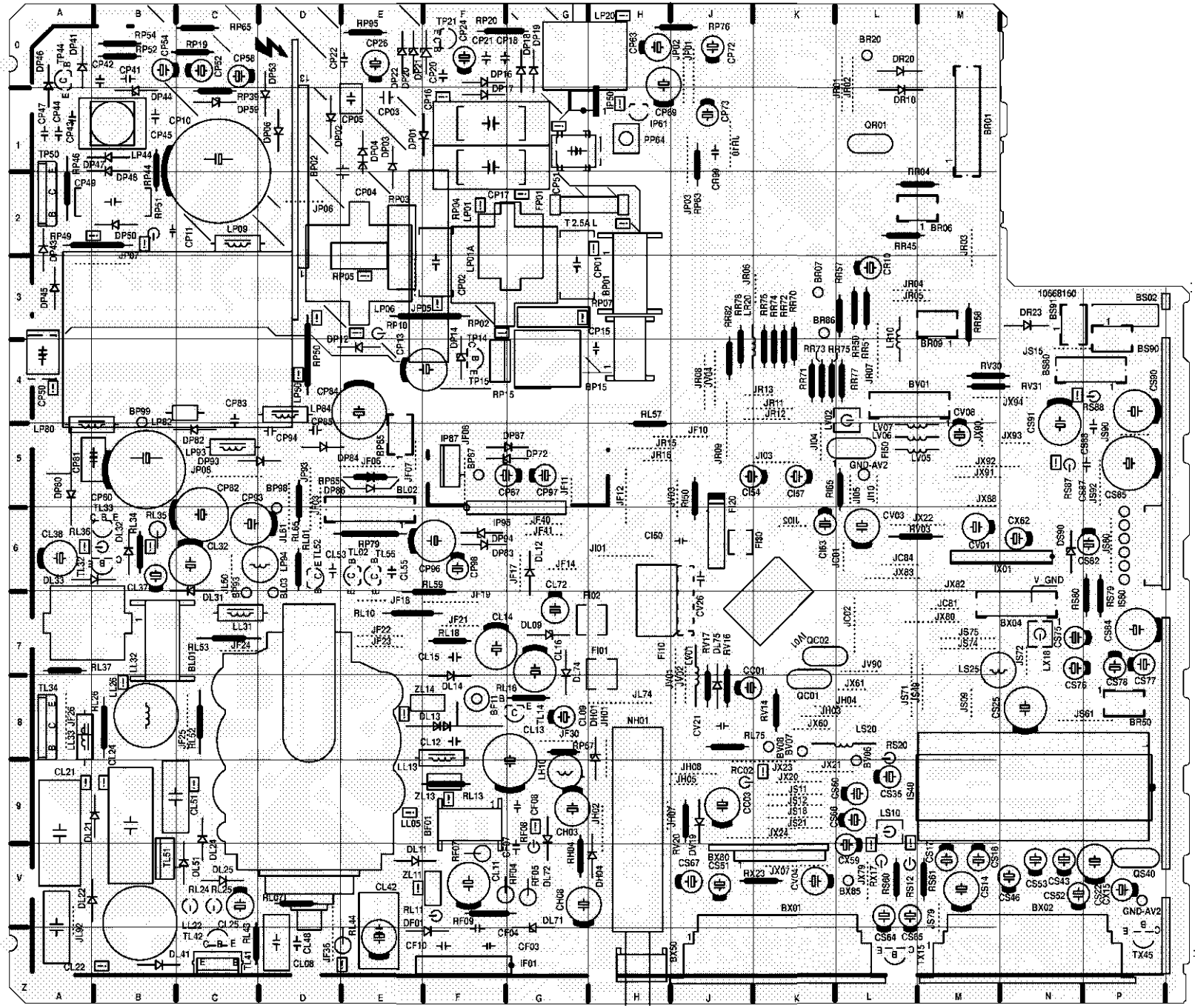


SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE - LATO SALDATURE - LADO SOLDADURAS

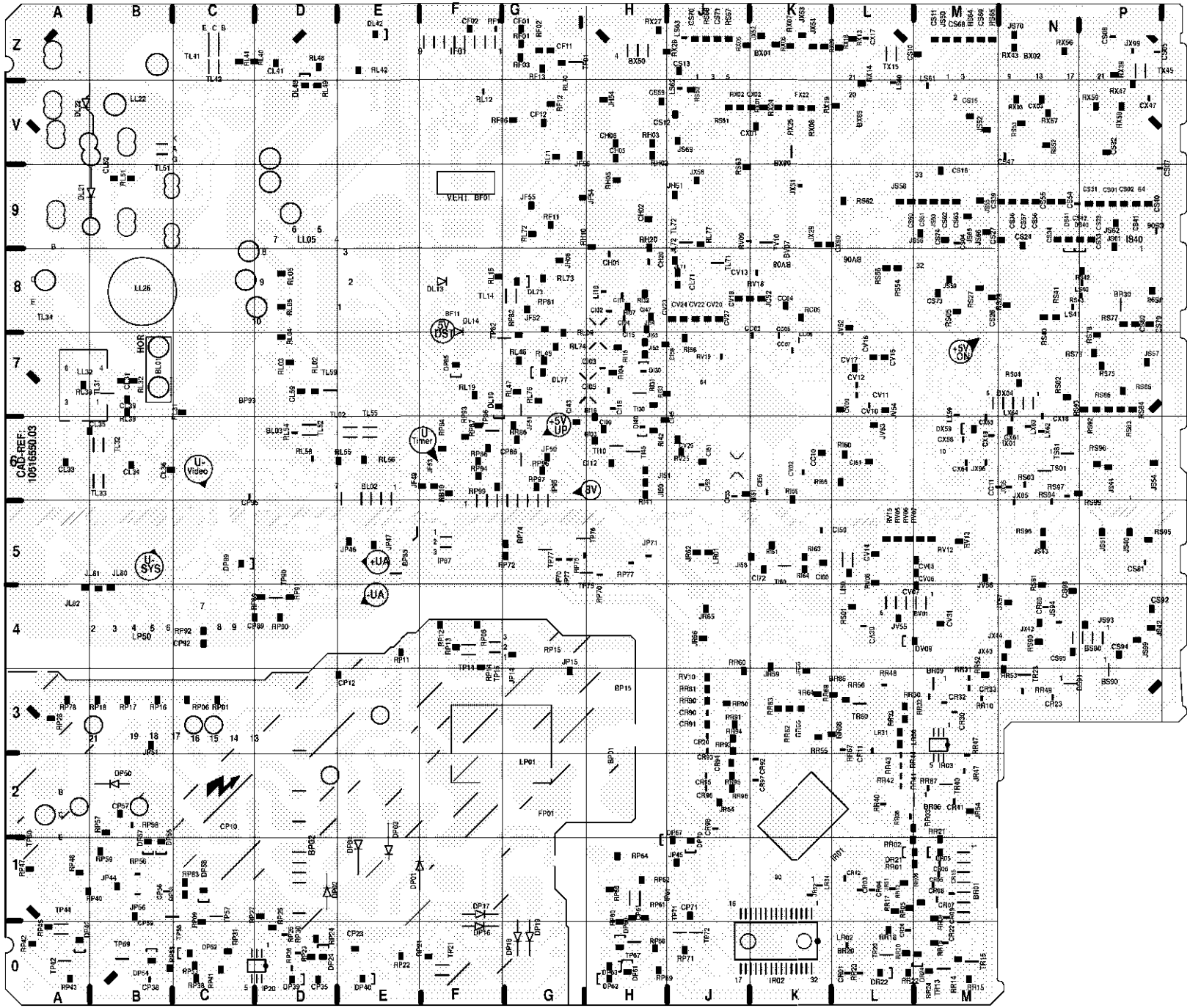


MAIN BOARD - PLATINE PRINCIPALE - CHASSIS GRUNDPLATTE - PIASTRA PRINCIPALE - PLATINA PRINCIPAL

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

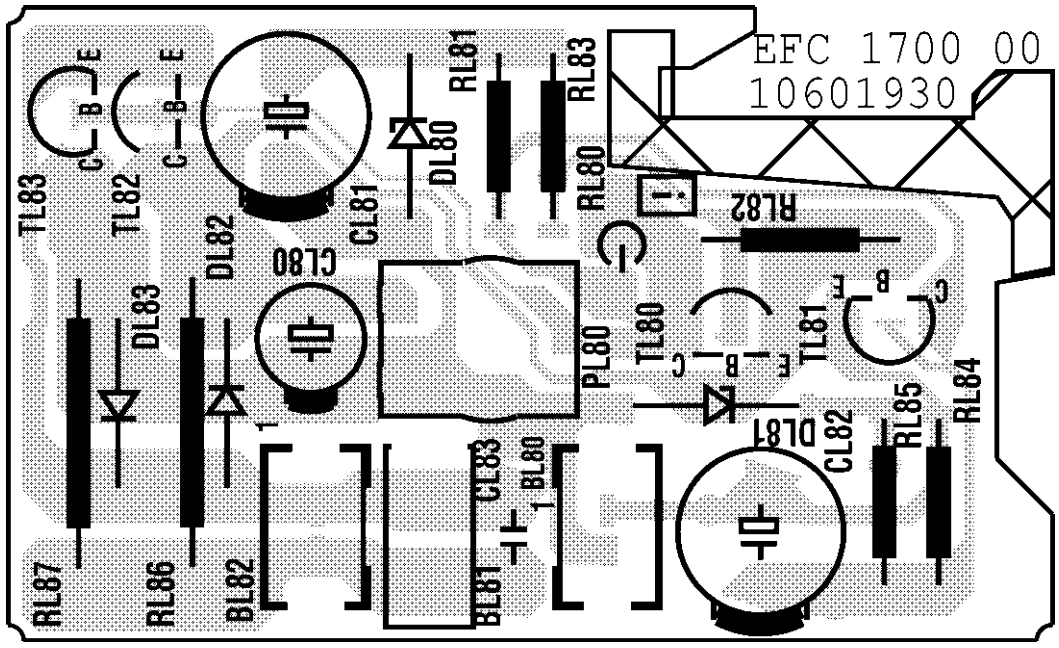


SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE - LATO SALDATURE - LADO SOLDADURAS

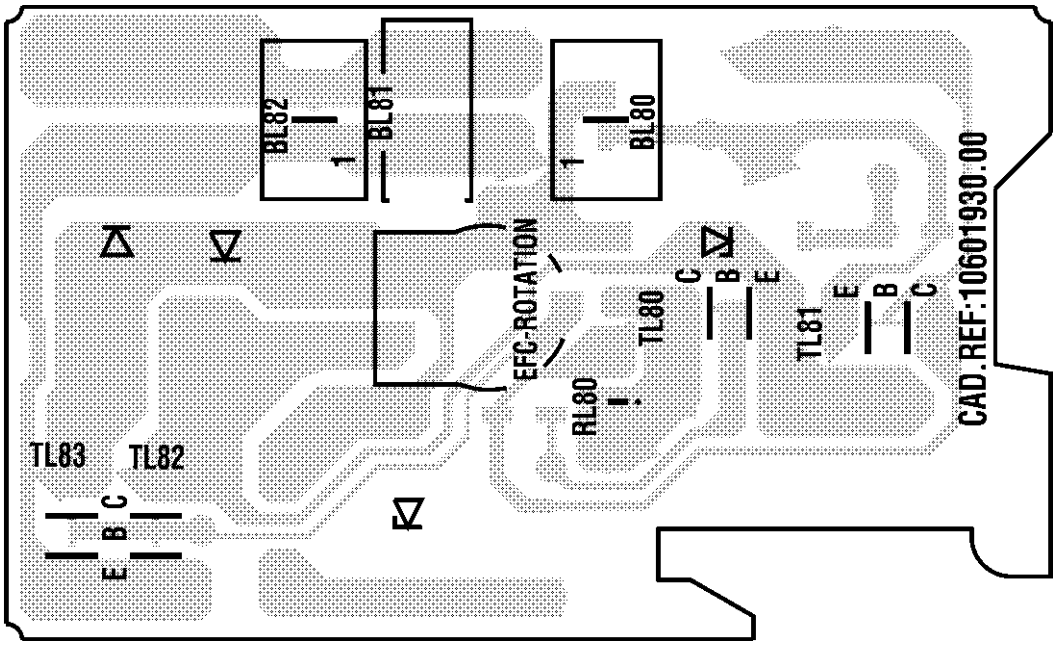


EFC 17000
EARTH-FIELD CORRECTION BOARD

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

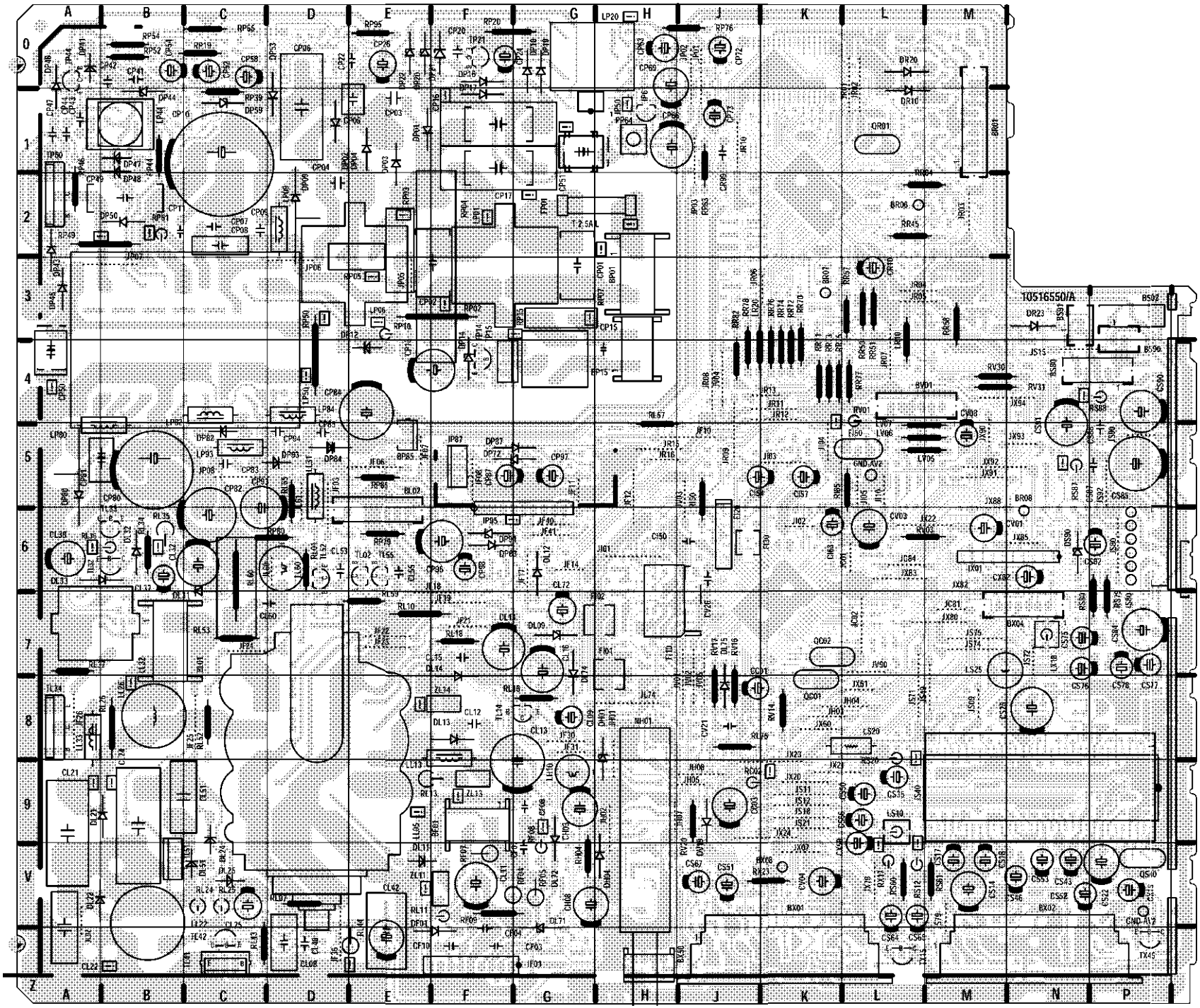


SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE - LATO SALDATURE - LADO SOLDADURAS



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

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



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