

## Chassis K5

### DVD Combo TV

#### Elegance 21 Flat

TVD 55-2502/5 Top

GBD4600

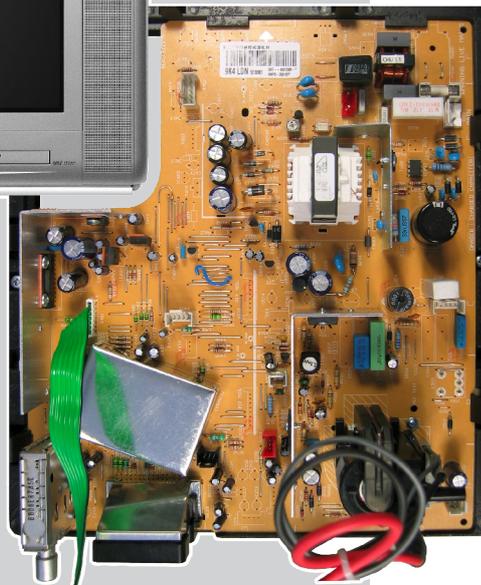
TVD 55-2502 FR/Top

GBD4400

TVD 55-2503/7 Top

GBD8300

**K 21 PFC-2503 FR/Top** GBD6200



Zusätzlich erforderliche Unterlagen für den Komplettservice  
Additionally required Service Documents for the Complete Service

#### Service Manual

Sicherheit  
Safety

Materialnr./Part No.  
72010800001

Materialnummer/Part Number 720100501000

Änderungen vorbehalten/Subject to alteration

H-S41 0905 • Printed in Germany

<http://www.grundig.com>

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Materialnummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!



The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

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## Allgemeiner Teil

### Allgemeine Hinweise

**Vor dem Öffnen des Gehäuses zuerst den Netzstecker ziehen!**

**Achtung: ESD-Vorschriften beachten** 

#### Leitungsverlegung

Bevor Sie die Leitungen und insbesondere die Masseleitungen lösen, muss die Leitungsverlegung zu den einzelnen Baugruppen beachtet werden.

Nach erfolgter Reparatur ist es notwendig, die Leitungsführung wieder in den werkseitigen Zustand zu versetzen um evtl. spätere Ausfälle oder Störungen zu vermeiden.

#### Durchführen von Messungen

Bei Messungen mit dem Oszilloskop an Halbleitern sollten Sie nur Tastköpfe mit 10:1 - Teiler verwenden. Außerdem ist zu beachten, dass nach vorheriger Messung mit AC-Kopplung der Koppelkondensator des Oszilloskops aufgeladen sein kann. Durch die Entladung über das Messobjekt können Bauteile beschädigt werden.

#### Messwerte und Oszillogramme

Bei den in den Schaltplänen und Oszillogrammen angegebenen Messwerten handelt es sich um Näherungswerte!

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## General Section

### General Notes

**Before opening the cabinet disconnect the mains plug!**

**Attention: Observe the ESD safety regulations** 

#### Wiring

Before disconnecting any leads and especially the earth connecting leads observe the way they are routed to the individual assemblies like the chassis, mains switch panel, keyboard control panel, picture tube panel, deflection unit, loudspeaker and so on.

On completion of the repairs the leads must be laid out as originally fitted at the factory to avoid later failures or disturbances.

#### Carrying out Measurements

When making measurements on semi-conductors with an oscilloscope, ensure that the test probe is set to 10:1 dividing factor. If the previous measurement was made on AC input, please note that the coupling capacitor in the oscilloscope will be charged. Discharge via the item being checked can damage the components.

#### Measured Values and Oscillograms

The measured values given in the circuit diagrams and oscillograms are approximates!

## Sicherheits-Hinweise

Die in den Fernsehgeräten auftretende Röntgenstrahlung entspricht den Bestimmungen der Physikalisch-Technischen Bundesanstalt vom 8. Januar 1987.

Die Hochspannung für die Bildröhre und die damit auftretende Röntgenstrahlung ist abhängig von der exakten Einstellung der Netzteilspannung +B.

Nach jeder Reparatur im Netzteil oder in der Horizontalablenkung ist die Hochspannung zu messen und gegebenenfalls einzustellen.

Schutzschaltungen im Gerät dürfen nur kurzzeitig außer Betrieb gesetzt werden, um Folgeschäden am Chassis oder an der Bildröhre zu vermeiden.

Beim Austausch der Bildröhre dürfen nur die in den Ersatzteillisten vorgeschriebenen Typen verwendet werden.

**D**

## Service-Hinweise

### Chassisausbau

Bevor Sie die Chassis-Verbindungsleitungen lösen, muss die Leitungsverlegung zu den einzelnen Baugruppen wie Netzschalterplatte, Bedieneinheit, Bildrohrplatte, Ablenkeinheit oder Lautsprecher beachtet werden.

Nach erfolgter Reparatur ist es notwendig, die Leitungsführung wieder in den werkseitigen Zustand zu versetzen, um eventuell spätere Ausfälle oder Störungen zu vermeiden.

### Netzkabel

Diese Geräte dürfen nur mit dem Original-Netzanschlusskabel mit integrierter Entstördrossel betrieben werden. Dieses Netzkabel verhindert Störungen aus dem Netz und ist Bestandteil der Gerätezulassung. Im Ersatzfall bestellen Sie bitte ausschließlich das Netzkabel laut Ersatzteilliste.

**GB**

## Service Notes

### Disassembly of the chassis

Before disconnecting the chassis connecting leads observe the way they are routed to the individual assemblies like the mains switch panel, keyboard control panel, picture tube panel, deflection unit or loudspeaker.

On completion of the repairs the leads must be laid out as originally fitted at the factory to avoid later failures or disturbances.

### Mains cable

The TV receiver must only be operated with an original mains connecting cable with an interference suppressor choke integrated in the mains plug. This mains cable prevents interference from the mains supply and is part of the product approval. For replacement please order exclusively the mains connecting cable specified in the spare parts list.

**F**

## Information pour la maintenance

### Démontage de chassis

Avant de défaire les connecteurs du châssis princip, il y a lieu de repérer auparavant les liaisons correspondant à chaque platine comme par exemple le C.I. Inter secteur, le C.I. Commande, le C.I. Tube, le bloc déviation ou les haut-parleurs.

A la fin de l'intervention, les connexions doivent être remises dans leur position d'origine afin d'éviter par après d'éventuelles défaillances ou perturbations.

## Safety Advices

The X-radiation developing in the sets conforms to the X-radiation Regulations (January 8, 1987), issued by the Physikalisch-Technische Bundesanstalt (federal physio-technical institution).

The high tension for the picture tube and thus the developing X-radiation depends on the precise adjustment of the +B power supply. After every repair of the power supply unit or the horizontal deflection stage it is imperative that the EHT for the picture tube is checked and re-adjusted if necessary.

To avoid consequential damages to the chassis or the picture tube the integrated protective circuits are allowed to be put out of operation only for a short time.

When replacing the picture tube use only the types specified in the spare parts lists.

### Cable dereseau

Ces appareils ne peuvent être utilisés qu'avec un câble de connexion original de réseau avec bobine antiparasite intégré dans la fiche de secteur. Ce câble de réseau empêche des perturbations de réseau et est partie de l'autorisation d'appareil. Si nécessaire commandez uniquement le câble de réseau selon la liste de pièces détachées.

**I**

## Nota di servizio

### Smontaggio del telaio

Prima di sfilare i cavi di collegamento col telaio è necessario osservare la disposizione originaria degli stessi verso le singole parti come la piastra alimentazione, l'unità comandi, la piastra cinescopio, il giogo o l'altoparlante.

Dopo la riparazione è necessario che gli ancoraggi e le guide garantiscano la disposizione dei cavi analogamente a quella data in fabbrica e ciò per evitare disturbi o danni nel tempo.

### Cavo rete

Gli apparecchi devono essere messi in funzione solo con il cavo originale il collegamento di rete e la sua spina di rete deve essere munita di una bobina d'induttanza. In causa di sostituzione ordinate solo il cavo di alimentatore che corrisponde alla lista degli accessori.

**E**

## Nota de servicio

### Desmontaje del chassis

Antes de desconectar las conexiones del Chassis hay que observar la dirección de dichas conexiones a los distintos grupos de construcción como la placa de conmutación de red, unidad de control, placa del zócalo del tubo de imagen, unidad de deflección o altavoces.

Después de haber realizado la reparación y para evitar fallos o perturbaciones posteriores es necesario reponer las conexiones tal como fueron instaladas originalmente en fábrica.

### Cable de red

El aparato solo se puede usar con el cable de red original con choque antiparásito integrado en el enchufe de red. Este cable de red evita perturbaciones de la red y es parte de la autorización del aparato. En caso necesario puede pedir el cable de red según lista de piezas de repuestos.

## Technische Daten / Technical Data

|                                             | Elegance 21 Flat TVD 55-2502/5 TOP                                                                                                                                                            | Elegance 21 Flat TVD 55-2502 FR/TOP                                                                                                                                                           | Elegance 21 Flat TVD 55-2503/7 TOP                                                                                                                                                                  | K 21 PFC - 2503 FR/TOP                                                                                                                                                                        |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Order No.                                   | G.BD 46-00                                                                                                                                                                                    | G.BD 44-00                                                                                                                                                                                    | G.BD 83-00                                                                                                                                                                                          | G.BD 62-00                                                                                                                                                                                    |
| Destination                                 | D,GB,I,NL,DK,N,S,FIN,E,P                                                                                                                                                                      | F                                                                                                                                                                                             | GB,PL,HR                                                                                                                                                                                            | F,NL                                                                                                                                                                                          |
| Approbations                                | CE,I                                                                                                                                                                                          | CE                                                                                                                                                                                            | CE                                                                                                                                                                                                  | CE                                                                                                                                                                                            |
| IM-Languages                                | D, NL, I, DK, FIN, N, S, E, P, ROW                                                                                                                                                            | F                                                                                                                                                                                             | PL, HR                                                                                                                                                                                              | F, B, NL                                                                                                                                                                                      |
| Remote control                              | TP 165 C                                                                                                                                                                                      | TP 165 C                                                                                                                                                                                      | TP 165 C                                                                                                                                                                                            | TP 165 C                                                                                                                                                                                      |
| Develop. order No.                          | E8H                                                                                                                                                                                           |                                                                                                                                                                                               | G3L                                                                                                                                                                                                 | G1H                                                                                                                                                                                           |
| EAN                                         | 40 13833-60012 1                                                                                                                                                                              | 40 13833-60010 7                                                                                                                                                                              | 40 13833-60143 2                                                                                                                                                                                    | 40 13833-60094 7                                                                                                                                                                              |
| Color                                       | procon silver                                                                                                                                                                                 | procon silver                                                                                                                                                                                 | procon silver                                                                                                                                                                                       | procon silver                                                                                                                                                                                 |
| <b>PICTURE</b>                              |                                                                                                                                                                                               |                                                                                                                                                                                               |                                                                                                                                                                                                     |                                                                                                                                                                                               |
| Size / Type                                 | 55cm (21"), FST, 4:3, visible 51cm                                                                                                                                                            | 55cm (21"), FST, 4:3, visible 51cm                                                                                                                                                            | 55cm (21"), FST, 4:3, visible 51cm                                                                                                                                                                  | 55cm (21"), FST, 4:3, visible 51cm                                                                                                                                                            |
| Display-Manufacturer                        | Philips, Samsung, Thomson, Erkranas                                                                                                                                                           | Philips, Samsung, Thomson, Erkranas                                                                                                                                                           | Philips, Samsung, Thomson, Erkranas                                                                                                                                                                 | Philips, Samsung, Thomson, Erkranas                                                                                                                                                           |
| Real flat / Super flat                      | ● / ○                                                                                                                                                                                         | ● / ○                                                                                                                                                                                         | ● / ○                                                                                                                                                                                               | ● / ○                                                                                                                                                                                         |
| Deflection                                  | 90°                                                                                                                                                                                           | 90°                                                                                                                                                                                           | 90°                                                                                                                                                                                                 | 90°                                                                                                                                                                                           |
| 100Hz Picture-/32 kHz line frequency        | ○                                                                                                                                                                                             | ○                                                                                                                                                                                             | ○                                                                                                                                                                                                   | ○                                                                                                                                                                                             |
| Flicker free scanning (full frame memory)   | ○                                                                                                                                                                                             | ○                                                                                                                                                                                             | ○                                                                                                                                                                                                   | ○                                                                                                                                                                                             |
| Digital Color Transition Improv. (DCTI)     | ●                                                                                                                                                                                             | ●                                                                                                                                                                                             | ●                                                                                                                                                                                                   | ●                                                                                                                                                                                             |
| Digital Combfilter                          | ●                                                                                                                                                                                             | ●                                                                                                                                                                                             | ●                                                                                                                                                                                                   | ●                                                                                                                                                                                             |
| Digital Luminance Transition Improv. (DLTI) | ●                                                                                                                                                                                             | ●                                                                                                                                                                                             | ●                                                                                                                                                                                                   | ●                                                                                                                                                                                             |
| Picture Noise Reduction (DNR)               | ●                                                                                                                                                                                             | ●                                                                                                                                                                                             | ●                                                                                                                                                                                                   | ●                                                                                                                                                                                             |
| SVM (Scan Velocity Modulation)              | ○                                                                                                                                                                                             | ○                                                                                                                                                                                             | ○                                                                                                                                                                                                   | ○                                                                                                                                                                                             |
| Digital Picture Improvement (DPI)           | ○                                                                                                                                                                                             | ○                                                                                                                                                                                             | ○                                                                                                                                                                                                   | ○                                                                                                                                                                                             |
| Dynamic Focus                               | ○                                                                                                                                                                                             | ○                                                                                                                                                                                             | ○                                                                                                                                                                                                   | ○                                                                                                                                                                                             |
| Preset picture modes                        | user, natural, rich, soft                                                                                                                                                                     | user, natural, rich, soft                                                                                                                                                                     | user, natural, rich, soft                                                                                                                                                                           | user, natural, rich, soft                                                                                                                                                                     |
| Tilt                                        | ○                                                                                                                                                                                             | ○                                                                                                                                                                                             | ○                                                                                                                                                                                                   | ○                                                                                                                                                                                             |
| Picture Formats                             | 4:3 / 16:9                                                                                                                                                                                    | 4:3 / 16:9                                                                                                                                                                                    | 4:3 / 16:9                                                                                                                                                                                          | 4:3 / 16:9                                                                                                                                                                                    |
| PIP (2 Tuner)                               | ○                                                                                                                                                                                             | ○                                                                                                                                                                                             | ○                                                                                                                                                                                                   | ○                                                                                                                                                                                             |
| Multifold Tuner scan (Mosaic Picture)       | ○                                                                                                                                                                                             | ○                                                                                                                                                                                             | ○                                                                                                                                                                                                   | ○                                                                                                                                                                                             |
| PAT: Split screen (PICTURE + TEXT)          | ○                                                                                                                                                                                             | ○                                                                                                                                                                                             | ○                                                                                                                                                                                                   | ○                                                                                                                                                                                             |
| PAP: Double Window (PICTURE + PICTURE)      | ○                                                                                                                                                                                             | ○                                                                                                                                                                                             | ○                                                                                                                                                                                                   | ○                                                                                                                                                                                             |
| P2AT: Double window + TXT                   | ○                                                                                                                                                                                             | ○                                                                                                                                                                                             | ○                                                                                                                                                                                                   | ○                                                                                                                                                                                             |
| POP: PICTURE on PICTURE                     | ○                                                                                                                                                                                             | ○                                                                                                                                                                                             | ○                                                                                                                                                                                                   | ○                                                                                                                                                                                             |
| Picture freezing                            | ○                                                                                                                                                                                             | ○                                                                                                                                                                                             | ○                                                                                                                                                                                                   | ○                                                                                                                                                                                             |
| Quick programme display                     | with OK-key                                                                                                                                                                                   | with OK-key                                                                                                                                                                                   | with OK-key                                                                                                                                                                                         | with OK-key                                                                                                                                                                                   |
| Zoom with point function                    | ○                                                                                                                                                                                             | ○                                                                                                                                                                                             | ○                                                                                                                                                                                                   | ○                                                                                                                                                                                             |
| Auto 16:9 selection via Scart               | ●                                                                                                                                                                                             | ●                                                                                                                                                                                             | ●                                                                                                                                                                                                   | ●                                                                                                                                                                                             |
| Auto 16:9 via WSS                           | ●                                                                                                                                                                                             | ●                                                                                                                                                                                             | ●                                                                                                                                                                                                   | ●                                                                                                                                                                                             |
| Automatic Color Standard Detection          | ●                                                                                                                                                                                             | ●                                                                                                                                                                                             | ●                                                                                                                                                                                                   | ●                                                                                                                                                                                             |
| Sharpness control                           | ●                                                                                                                                                                                             | ●                                                                                                                                                                                             | ●                                                                                                                                                                                                   | ●                                                                                                                                                                                             |
| Blue Background                             | ●                                                                                                                                                                                             | ●                                                                                                                                                                                             | ●                                                                                                                                                                                                   | ●                                                                                                                                                                                             |
| <b>CHASSIS</b>                              |                                                                                                                                                                                               |                                                                                                                                                                                               |                                                                                                                                                                                                     |                                                                                                                                                                                               |
| TV-Chassis                                  | K5 (50Hz)                                                                                                                                                                                     | K5 (50Hz)                                                                                                                                                                                     | K5 (50Hz)                                                                                                                                                                                           | K5 (50Hz)                                                                                                                                                                                     |
| Tuner                                       | PLL frequency synthesizer tuning                                                                                                                                                              | PLL frequency synthesizer tuning                                                                                                                                                              | PLL frequency synthesizer tuning                                                                                                                                                                    | PLL frequency synthesizer tuning                                                                                                                                                              |
| µ-Processor                                 | VCT-I                                                                                                                                                                                         | VCT-I                                                                                                                                                                                         | VCT-I                                                                                                                                                                                               | VCT-I                                                                                                                                                                                         |
| Keyboard                                    | 10 keys; TV/DVD, menu, prog/vol, plus, minus, eject, play/pause, stop, skip-fw, skip-bw                                                                                                       |                                                                                                                                                                                               |                                                                                                                                                                                                     |                                                                                                                                                                                               |
| <b>ELECTRONIC</b>                           |                                                                                                                                                                                               |                                                                                                                                                                                               |                                                                                                                                                                                                     |                                                                                                                                                                                               |
| Stand by indicator                          | red LED                                                                                                                                                                                       | red LED                                                                                                                                                                                       | red LED                                                                                                                                                                                             | red LED                                                                                                                                                                                       |
| EPG (Electronic Programme Guide)            | Now & Next                                                                                                                                                                                    | Now & Next                                                                                                                                                                                    | Now & Next                                                                                                                                                                                          | Now & Next                                                                                                                                                                                    |
| Manual & autom. labeling of prog.           | 5 characters                                                                                                                                                                                  | 5 characters                                                                                                                                                                                  | 5 characters                                                                                                                                                                                        | 5 characters                                                                                                                                                                                  |
| Programmable off timer                      | ●                                                                                                                                                                                             | ●                                                                                                                                                                                             | ●                                                                                                                                                                                                   | ●                                                                                                                                                                                             |
| Programmable on timer                       | ●                                                                                                                                                                                             | ●                                                                                                                                                                                             | ●                                                                                                                                                                                                   | ●                                                                                                                                                                                             |
| Intelligent channel search (Zapping funct.) | ●                                                                                                                                                                                             | ●                                                                                                                                                                                             | ●                                                                                                                                                                                                   | ●                                                                                                                                                                                             |
| Programme Edit                              | ●                                                                                                                                                                                             | ●                                                                                                                                                                                             | ●                                                                                                                                                                                                   | ●                                                                                                                                                                                             |
| Intelligent Programme Switch                | ●                                                                                                                                                                                             | ●                                                                                                                                                                                             | ●                                                                                                                                                                                                   | ●                                                                                                                                                                                             |
| Auto switch off                             | ●                                                                                                                                                                                             | ●                                                                                                                                                                                             | ●                                                                                                                                                                                                   | ●                                                                                                                                                                                             |
| Programme memory TV/AV (opt.)               | 100/AV                                                                                                                                                                                        | 100/AV                                                                                                                                                                                        | 100/AV                                                                                                                                                                                              | 100/AV                                                                                                                                                                                        |
| Teletext/Fasttext/Toptext                   | 8 pages Level 1,5                                                                                                                                                                             | 8 pages Level 1,5                                                                                                                                                                             | 8 pages Level 1,5                                                                                                                                                                                   | 8 pages Level 1,5                                                                                                                                                                             |
| Teletext options                            | ○                                                                                                                                                                                             | ○                                                                                                                                                                                             | ○                                                                                                                                                                                                   | ○                                                                                                                                                                                             |
| Teletext SWAP                               | ○                                                                                                                                                                                             | ○                                                                                                                                                                                             | ○                                                                                                                                                                                                   | ○                                                                                                                                                                                             |
| Childlock                                   | ●                                                                                                                                                                                             | ●                                                                                                                                                                                             | ●                                                                                                                                                                                                   | ●                                                                                                                                                                                             |
| Menu languages OSD                          | 26 Languages for TV: D, GB, F, I, E, P, NL, GR, TR, DK, FIN, N, S, SI, PL, H, RUS, RO, HR, CZ, SK, AL, BG, MK, S ER, HEB (Version A) - 7 languages for DVD: D, GB, F, I, E, P, NL (Version A) | 26 Languages for TV: D, GB, F, I, E, P, NL, GR, TR, DK, FIN, N, S, SI, PL, H, RUS, RO, HR, CZ, SK, AL, BG, MK, S ER, HEB (Version A) - 7 languages for DVD: D, GB, F, I, E, P, NL (Version A) | 26 Languages for TV: D, GB, F, I, E, P, NL, GR, TR, DK, FIN, N, S, SI, PL, H, RUS, RO, HR, CZ, SK, AL, BG, MK, S ER, HEB (Version A) - 7 languages for DVD: GB, PL, RUS, CZ, HR, SI, H (Version C') | 26 Languages for TV: D, GB, F, I, E, P, NL, GR, TR, DK, FIN, N, S, SI, PL, H, RUS, RO, HR, CZ, SK, AL, BG, MK, S ER, HEB (Version A) - 7 languages for DVD: D, GB, F, I, E, P, NL (Version A) |
| SWAP (Recall function)                      | ○                                                                                                                                                                                             | ○                                                                                                                                                                                             | ○                                                                                                                                                                                                   | ○                                                                                                                                                                                             |
| Service mode                                | ●                                                                                                                                                                                             | ●                                                                                                                                                                                             | ●                                                                                                                                                                                                   | ●                                                                                                                                                                                             |
| Luxury packet                               | ○                                                                                                                                                                                             | ○                                                                                                                                                                                             | ○                                                                                                                                                                                                   | ○                                                                                                                                                                                             |
| Hotel mode                                  | Simple hotel mode possible via service and special functions                                                                                                                                  | Simple hotel mode possible via service and special functions                                                                                                                                  | Simple hotel mode possible via service and special functions                                                                                                                                        | Simple hotel mode possible via service and special functions                                                                                                                                  |

|                                             | Elegance 21 Flat TVD 55-2502/5 TOP                         | Elegance 21 Flat TVD 55-2502 FR/TOP             | Elegance 21 Flat TVD 55-2503/7 TOP              | K 21 PFC - 2503 FR/TOP                          |
|---------------------------------------------|------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| <b>TUNING</b>                               |                                                            |                                                 |                                                 |                                                 |
| Autom. Tuning System with country selection | Yes, full automatic sorting                                | Yes, full automatic sorting                     | Yes, full automatic sorting                     | Yes, full automatic sorting                     |
| Frequency Based Auto Search                 | ●                                                          | ●                                               | ●                                               | ●                                               |
| Automatic Micro-search                      | ●                                                          | ●                                               | ●                                               | ●                                               |
| Automatic Programming                       | ○                                                          | ○                                               | ○                                               | ○                                               |
| Manual fine tuning                          | ●                                                          | ●                                               | ●                                               | ●                                               |
| Direct channel selection                    | ●                                                          | ●                                               | ●                                               | ●                                               |
| TV-Norm                                     | PAL/SECAM/BG                                               | PAL/SECAM/BG/L/L                                | PAL/SECAM/BG/DK                                 | PAL/SECAM/BG/L/L                                |
| NTSC-Playback via Scart (3,58/4,43)         | ●                                                          | ●                                               | ●                                               | ●                                               |
| Cable TV / Hyperband (S1-S41)               | ●                                                          | ●                                               | ●                                               | ●                                               |
| <b>AUDIO</b>                                |                                                            |                                                 |                                                 |                                                 |
| Mono/Stereo/Nicam                           | ● / ● / ●                                                  | ● / ● / ●                                       | ● / ● / ●                                       | ● / ● / ●                                       |
| AV Stereo                                   | ●                                                          | ●                                               | ●                                               | ●                                               |
| Virtual Dolby                               | ○                                                          | ○                                               | ○                                               | ○                                               |
| Subwoofer                                   | ○                                                          | ○                                               | ○                                               | ○                                               |
| Dynamic Bass                                | ○                                                          | ○                                               | ○                                               | ○                                               |
| DSP (Digital Sound Processor)               | ●                                                          | ●                                               | ●                                               | ●                                               |
| Balance Adjustment                          | ●                                                          | ●                                               | ●                                               | ●                                               |
| AVL (Audio Volume Level)                    | ●                                                          | ●                                               | ●                                               | ●                                               |
| PIP listening via Headphone jack            | ○                                                          | ○                                               | ○                                               | ○                                               |
| Equalizer                                   | 5 Band                                                     | 5 Band                                          | 5 Band                                          | 5 Band                                          |
| Space Sound Effect                          | ●                                                          | ●                                               | ●                                               | ●                                               |
| Audio mode                                  | cinema, music, sport, speech, user                         | cinema, music, sport, speech, user              | cinema, music, sport, speech, user              | cinema, music, sport, speech, user              |
| Audio amplifier without extern LS           | 2 x 7W (RMS)                                               | 2 x 7W (RMS)                                    | 2 x 7W (RMS)                                    | 2 x 7W (RMS)                                    |
| Tweeter (2 way speaker system)              | ○                                                          | ○                                               | ○                                               | ○                                               |
| <b>DVD</b>                                  |                                                            |                                                 |                                                 |                                                 |
| 4:3 / 16:9 / letterbox format               | ● / ● / ●                                                  | ● / ● / ●                                       | ● / ● / ●                                       | ● / ● / ●                                       |
| Dolby Digital                               | ●                                                          | ●                                               | ●                                               | ●                                               |
| Disc formats                                |                                                            |                                                 |                                                 |                                                 |
| DVD R/RW (+/-)                              | ●                                                          | ●                                               | ●                                               | ●                                               |
| CD-R                                        | ●                                                          | ●                                               | ●                                               | ●                                               |
| CD-RW                                       | ●                                                          | ●                                               | ●                                               | ●                                               |
| Media formats                               |                                                            |                                                 |                                                 |                                                 |
| DVD-Video                                   | ●                                                          | ●                                               | ●                                               | ●                                               |
| VCD                                         | ●                                                          | ●                                               | ●                                               | ●                                               |
| SVC                                         | ●                                                          | ●                                               | ●                                               | ●                                               |
| CD-Audio                                    | ●                                                          | ●                                               | ●                                               | ●                                               |
| CD-ROM                                      | JPEG, MP3 playback                                         | JPEG, MP3 playback                              | JPEG, MP3 playback                              | JPEG, MP3 playback                              |
| Freeze / Zoom                               | ● / ●                                                      | ● / ●                                           | ● / ●                                           | ● / ●                                           |
| Coaxial / Optical audio out                 | ● / ○                                                      | ● / ○                                           | ● / ○                                           | ● / ○                                           |
| Region Code                                 | Factory setting: RC 2                                      | Factory setting: RC 2                           | Factory setting: RC 2                           | Factory setting: RC 2                           |
| DivX                                        | DivX from approx. 08/2005 onwards                          | DivX from approx. 08/2005 onwards               | ●                                               | ●                                               |
| <b>POWER SUPPLY / CABINET</b>               |                                                            |                                                 |                                                 |                                                 |
| Power voltage                               | 230V~, 50/60Hz                                             | 230V~, 50/60Hz                                  | 230V~, 50/60Hz                                  | 230V~, 50/60Hz                                  |
| Power switch                                | ●                                                          | ●                                               | ●                                               | ●                                               |
| Power consumption                           | 67W, standby 2W in accordance to IEC 62087-2002            | 67W, standby 2W in accordance to IEC 62087-2002 | 67W, standby 2W in accordance to IEC 62087-2002 | 67W, standby 2W in accordance to IEC 62087-2002 |
| Cabinet (WxHxD, cm) / Weight                | 61,1 x 46,4 x 52,6cm approx. 24,6kg                        | 61,1 x 46,4 x 52,6cm approx. 24,6kg             | 61,1 x 46,4 x 52,6cm approx. 24,6kg             | 61,1 x 46,4 x 52,6cm approx. 24,6kg             |
| <b>FRONT PANEL CONNECTIONS</b>              |                                                            |                                                 |                                                 |                                                 |
| Headphones                                  | ●, (side)                                                  | ●, (side)                                       | ●, (side)                                       | ●, (side)                                       |
| Cinch-AV socket                             | 3 x Cinch - Video in, Audio in L/R (side)                  | 3 x Cinch - Video in, Audio in L/R (side)       | 3 x Cinch - Video in, Audio in L/R (side)       | 3 x Cinch - Video in, Audio in L/R (side)       |
| S-Video                                     | Yes, Hosiden (side)                                        | Yes, Hosiden (side)                             | Yes, Hosiden (side)                             | Yes, Hosiden (side)                             |
| <b>REAR PANEL CONNECTIONS</b>               |                                                            |                                                 |                                                 |                                                 |
| Euro-AV-Socket AV1                          | CVBS in-/output, RGB input                                 | CVBS in-/output, RGB input                      | CVBS in-/output, RGB input                      | CVBS in-/output, RGB input                      |
| Euro-AV Socket AV2                          | CVBS in-/output, S-Video input                             | CVBS in-/output, S-Video input                  | CVBS in-/output, S-Video input                  | CVBS in-/output, S-Video input                  |
| Euro-AV Socket AV3                          | ○                                                          | ○                                               | ○                                               | ○                                               |
| S-Video                                     | via Scart                                                  | via Scart                                       | via Scart                                       | via Scart                                       |
| Digital Audio out                           | coaxial                                                    | coaxial                                         | coaxial                                         | coaxial                                         |
| Audio out                                   | ○                                                          | ○                                               | ○                                               | ○                                               |
| Antenna for terrestrial reception           | 1 x Coaxial-socket for TV-tuner-in, according to DIN 45325 |                                                 |                                                 |                                                 |
| Power supply plug                           | ○                                                          | ○                                               | ○                                               | ○                                               |
| <b>SUPPLIED ACCESSORIES</b>                 |                                                            |                                                 |                                                 |                                                 |
| Remote control (incl. battery)              | ●                                                          | ●                                               | ●                                               | ●                                               |
| Power cord                                  | fix mounted                                                | fix mounted                                     | fix mounted                                     | fix mounted                                     |
| Instruction manual                          | ●                                                          | ●                                               | ●                                               | ●                                               |
| Circuit diagram                             | ●                                                          | ○                                               | ○                                               | ○                                               |
| Warning sticker in rear panel               | ○                                                          | ○                                               | ●                                               | ○                                               |
| Warranty info                               | ●                                                          | ●                                               | ●                                               | ●                                               |

## Bedienhinweise

Dieses Kapitel enthält Auszüge aus der Bedienungsanleitung.

Weitergehende Informationen entnehmen Sie bitte der gerätespezifischen Bedienungsanleitung, deren Materialnummer Sie in der entsprechenden Ersatzteilliste finden.

### AUF EINEN BLICK

#### Die Fernbedienung

##### Fernseh-Betrieb

-  Schaltet das Fernsehgerät ab (Stand-by).
- TV/DVD**  Schaltet die Fernbedienung um von Fernseh-Betrieb auf DVD-Betrieb und zurück.
-  Schaltet das Bildformat um.  
Antwortfreigabe im Videotext-Betrieb.
- /--**  Schaltet zwischen ein- und zweistelligen Programmplätzen um;  
schaltet auf doppelte Zeichengröße im Videotext-Betrieb.
- 1...0**  Schalten das Fernsehgerät aus Stand-by ein;  
wählen Programme direkt.
-  Ton ein/aus (stummschalten).
- i**  Ruft das Infomenü auf und schaltet es wieder ab;  
schaltet alle Menüs ab.
- Z**  Zapp-Funktion.  
Seitenstop im Videotext-Betrieb.
- P+, P-**  Schalten das Fernsehgerät aus Stand-by ein;  
wählen Programme schrittweise;  
bewegen Cursor nach oben/unten.
- OK**  Ruft die Programmebelegung auf;  
aktiviert verschiedene Funktionen.
-  Bewegen Cursor nach links/rechts.
- TXT**  Schaltet um zwischen Videotext-Betrieb und TV-Betrieb;  
Blendet das Menü aus.
- AV**  Wählt AV-Programmplätze und das zuletzt gesehene Fernseh-Programm.
- +**  Ändern die Lautstärke.
- SUB**  Wählt Unterseiten im Videotext-Betrieb.
- UPDATE**  Aktualisiert eine Seite im Videotext-Betrieb.

### AUF EINEN BLICK

-  Wählt verschiedenen Bildeinstellungen an;  
blättert im Videotext-Betrieb eine Seite zurück.
-  Ruft den TV-Guide (Informationen über die aktuelle und die nächste Sendung) und die Uhrzeit auf;  
wählt im Videotext-Betrieb eine Seite.
-  Wählt gewünschtes Kapitel im Videotext-Betrieb.
-  Wählt verschiedenen Toneinstellungen an;  
wählt gewünschtes Thema im Videotext-Betrieb.
- VCR, SAT DVD EXT.**  Schaltet auf die Bedienung eines GRUNDIG Video-recorders, GRUNDIG Satelliten-Receivers oder GRUNDIG DVD-Players.  
Entsprechende Taste (»VCR«, »SAT«, »DVD EXT.«) gedrückt halten. Anschließend gewünschte Taste drücken.  
**Hinweis:**  
Welche Funktionen Sie ausführen können, hängt von der Ausstattung des Gerätes ab.  
Probieren Sie es einfach aus.

### KOMFORT-FUNKTIONEN

#### Kindersicherung

Sie können alle Fernseh-Programme sperren. Der Bildschirm ist dunkel.

- 1 »Infomenü« mit »i« aufrufen.  
– Das »Infomenü« wird eingeblendet.
- 2 Zeile »Installation« mit »P+« oder »P-« wählen.
- 3 Zeile »Kindersicherung« mit »P+« oder »P-« anwählen.
- 4 Kindersicherung mit »<« oder »>« aktivieren (Ein) oder abschalten (Aus).
- 5 Einstellung mit »i« beenden.



## AUF EINEN BLICK



### DVD-Betrieb

- 1...0** Ziffern-Tasten für verschiedene Eingaben.
- TV/DVD** Schaltet die Fernbedienung um von Fernseh-Betrieb auf DVD-Betrieb und zurück.
- ZOOM** Vergrößert/verkleinert Szenen bei der Wiedergabe.
- PROGRAM** Zum Programmieren einer Wiedergabeliste für die eingelegte Disc.
- GO TO** Ruft das Info-Menü des DVD-Teiles auf.
- DVD MENU** Ruft während der Wiedergabe das Discmenü\* einer DVD auf.
- P+, P-** Wählen in den Menüs verschiedene Funktionen.
- OK** Bestätigt Funktionen.
- DVD SETUP** Ruft das Hauptmenü des DVD-Teiles auf.
- TITLE** Ruft während der Wiedergabe das Titelmü\* der DVD auf.
- ◀◀** Schaltet während der Wiedergabe auf Bildsuchlauf rückwärts in verschiedenen Geschwindigkeiten.
- ▶▶** Schaltet während der Wiedergabe auf Bildsuchlauf vorwärts in verschiedenen Geschwindigkeiten.
- Unterbricht jede Lauffunktion.
- ◀◀** Wählt während der Wiedergabe den vorherigen Titel/Abschnitt.
- ▶▶** Startet die Wiedergabe; Standbild bei DVDs und Video-CDs; Pause bei Audio-CDs und MP3-CDs.
- ▶▶** Wählt während der Wiedergabe den nächsten Titel/Abschnitt.

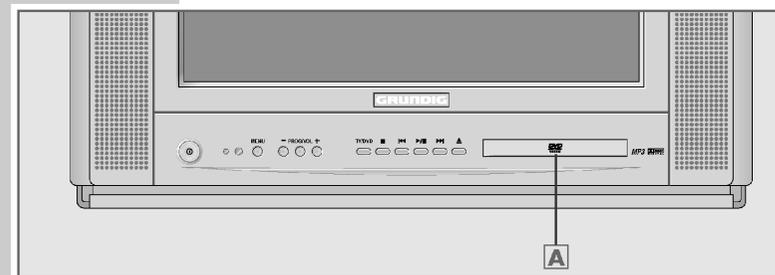
\* abhängig von der verwendeten DVD

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## AUF EINEN BLICK

### Die Vorderseite des Fernsehgerätes



- ⓪** Schaltet das Fernsehgerät in Stand-by und wieder aus.
- MENU** Ruft das TV Menü auf, schaltet im TV Menü eine Seite zurück.  
Ruft das Hauptmenü des DVD-Teiles auf und schaltet es wieder ab.
- PROG/VOL** Schaltet das Fernsehgerät aus Stand-by ein.  
Vorwahlaste für Programmwahl oder Lautstärke:  
- Programmwahl abwärts;  
+ Lautstärke verringern.  
+ Programmwahl aufwärts;  
- Lautstärke vergrößern.
- TV/DVD** Schaltet das Gerät um von Fernseh-Betrieb auf DVD-Betrieb und zurück.
- Unterbricht jede Lauffunktion.
- ◀◀** Wählt während der Wiedergabe den vorherigen Titel/Abschnitt.  
Wählt in den Menüs verschiedene Funktionen.
- ▶▶** Startet die Wiedergabe;  
Standbild bei DVDs und Video-CDs;  
Pause bei Audio-CDs und MP3-CDs;  
aktiviert Menü-Funktionen.
- ▶▶** Wählt während der Wiedergabe den nächsten Titel/Abschnitt.  
Wählt in den Menüs verschiedene Funktionen.
- ▲** Zum Öffnen und Schließen der Schublade.
- A** Schublade für CD-Medien.
- 🎧** Kopfhöreranschluss (3,5 mm ø Klinke).
- S-VIDEO** Bildsignaleingang für S-Video-Camerarecorder.
- VIDEO** Bildsignaleingang für Camerarecorder.
- L AUDIO R** Tonsignaleingang für Camerarecorder.

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## DVD-EINSTELLUNGEN

Für den Betrieb mit dem DVD-Teil des Fernsehgerätes sind keine Einstellungen notwendig.  
Im Menü können Sie jedoch z.B. die Sprache der Benutzerführung ändern, die Menüsprache wählen, Bildformat wählen und vieles andere mehr.

### Menü anwählen



- Menü mit »DVD SETUP« aufrufen.  
– Das Menü wird eingeblendet.
- Gewünschtes Menü mit »◀« oder »▶« anwählen und mit »OK« aktivieren.  
– Die gewählte Menüzeile ist markiert.
- Gewünschte Zeile mit »P+« oder »P-« wählen und mit »OK« bestätigen.  
– Die Einstellmöglichkeiten werden eingeblendet.
- Gewünschte Funktion/Einstellung mit »P+« oder »P-« wählen und mit »OK« bestätigen.

#### Hinweis:

Mit »P+« kann zur Menüzeile nach oben geschaltet werden.

- Menü mit »DVD SETUP« abschalten.

### Die Möglichkeiten in den Menüs

#### Sprache

- Gerätesprache: „Sprache“ der Bildschirmmenüs wählen.
- Untertitel: Untertitel auswählen und einblenden.
- Synchr. Sprache: Synchronsprache wählen.
- Menüsprache: „Sprache“ der DVD-Menüs wählen.
- Funktionsanzeige: Funktionsanzeigen (z.B. **II** Pause) ein-/ausschalten.
- Zus. Untertitel: Sprachgruppe (Zeichensatz) für zusätzliche Untertitel bei DivX<sup>®</sup>Video-CDs wählen.

#### Bild Menü

- TV Format: Bildformat (4:3 PS (PanScan), 4:3 LB (Letterbox), 16:9) einstellen.
- TV Norm: TV Norm (NTSC, PAL, Auto) wählen.
- JPEG Ansicht: Darstellung der JPEG-Bilder wählen (Original, Bildschirmgröße)
- JPEG Interval: Betrachtungszeit der JPEG-Bilder wählen (5, 10, 15 Sekunden)
- Letzter Speicher: Ein-/ausschalten.

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## DVD-EINSTELLUNGEN

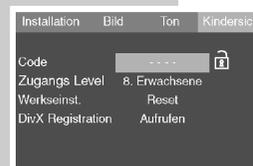


#### Ton Menü

- Digitalausgang: Digitalausgang (Aus, Raw (Originaltonformat), PCM) einstellen.
- LPCM 48k DS: Abtastrate 48 kHz (Einstellung: An) oder 98 kHz (Einstellung: Aus) einstellen.

#### Kindersicherung

- Code: Passwort eingeben und mit »OK« bestätigen. (Nach Eingabe eines beliebigen Zahlencodes kann der Zugangslevel nicht mehr verändert werden.)
- Zugangs Level: Zugangslevel (1 bis 8) wählen. (Das Schlosssymbol hinter Code muss geöffnet sein.)
- Werkseinst.: Zurück zur Werkseinstellung.
- Divx Registration: Registrierungscode für das Internet aufrufen.



**Hinweis:** Die Tastenfolge "3 8 0 0" hebt den persönlichen Code auf.

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## Operating Hints

This chapter contains excerpts from the operating instructions.

For further particulars please refer to the appropriate user instructions the part number of which is indicated in the relevant spare parts list.

## OVERVIEW

### The remote control

#### TV operation

-  Switches off the television set (stand-by).
- TV/DVD** Switches the remote control from TV mode to DVD mode and back.
-  Switches between picture formats. Reveal answer in teletext mode.
- /--** Switches between single- and double-digit preset channels. Switches to double character size in teletext mode.
- 1...0** Switch the television on from standby mode. Select channels directly.
-  Sound on/off (mute).
- i** Opens and closes the info menu; closes all menus.
- Z** Zap function. Page hold in teletext mode.
- P+, P-** Switch the television on from standby. Select channels step-by-step. Move the cursor up and down.
- OK** Calls up the station list. Activates various functions.
-  Move cursor to the left/right.
- TXT** Switches between teletext and TV modes. Hides the menu.
- AV** Selects the AV channels and the most recently viewed television channel.
- +** Adjust the volume.
- SUB** Selects sub-pages in teletext mode.
- UPDATE** Updates the page in teletext mode.



## OVERVIEW

-  Selects various picture settings; scrolls back a page in teletext mode.
-  Calls up the TV Guide (information about the current and next broadcast) and time. Moves to the next page in teletext mode.
-  Selects the desired chapter in teletext mode.
-  Selects various audio settings; selects the desired topic in teletext mode.
- VCR, SAT DVD EXT.** Switches to operating a GRUNDIG videorecorder, a GRUNDIG satellite receiver or a GRUNDIG DVD player. Keep the appropriate button (»VCR«, »SAT«, »DVD EXT.«) pressed down. Then press the appropriate button.  
**Note:** The functions available depend on the model of the device you are using. Just try it out.

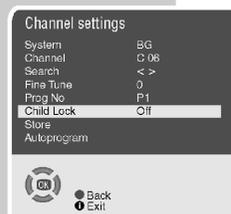


## CONVENIENCE FUNCTIONS

### Parental lock

You can block any station. The screen goes black.

- 1 Press »i« to open the »MAIN MENU«. – The »MAIN MENU« appears.
- 2 Select »Channel settings« by pressing »P+« or »P-«.
- 3 Select »Child Lock« with »P+« or »P-«.
- 4 Press »<« or »>« to activate or deactivate the parental lock (On) or (Off).
- 5 Press »i« to finish the setting.



## OVERVIEW



### DVD mode

**1...0** Numerical keys for various inputs.

**TV/DVD** Switches the remote control from TV mode to DVD mode and back.

**ZOOM** Zooms in/out on scenes during playback.

**PROGRAM** For programming a playback list for the inserted disc.

**GO TO** Opens the info menu of DVD unit.

**DVD MENU** During playback, opens the disc menu\* on a DVD.

**P+, P-** Select various functions in the menus.

**OK** Confirms functions.

**DVD SETUP** Opens the main menu on the DVD unit.

**TITLE** Calls up the DVD title menu\* during playback.

**◀◀** Switches to reverse frame search at various speeds during playback.

**▶▶** Switches to forward frame search at various speeds during playback.

**■** Interrupts all drive functions.

**◀◀** Selects the previous title or section during playback.

**▶▶** Starts playback.  
Freeze-frame for DVDs and video CDs.  
Pause for audio CDs and MP3 CDs.

**▶▶** Selects the next title or section during playback.

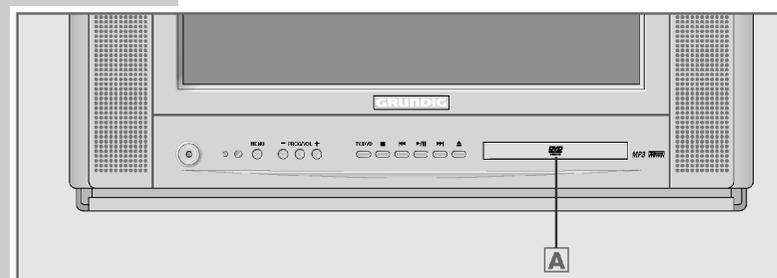
\* Depends on the DVD in use

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## OVERVIEW

### The front of the television set



**Ⓜ** Switches the television into and out of standby mode.

**MENU** Opens the TV menu, switches to the previous page in the TV menu.  
Opens the main menu of the DVD unit.

**PROG/VOL -** Preset button for volume or channel selection.  
Channel selection down.  
Reduce volume.

**+** Switches the television on from stand-by.  
Channel selection up.  
Increase volume.

**TV/DVD** Switches the device from TV mode to DVD mode and back.

**■** Interrupts all drive functions.

**◀◀** Selects the previous title or section during playback.  
Selects various functions in the menus.

**▶▶** Starts playback.  
Freeze-frame for DVDs and video CDs.  
Pause for audio CDs and MP3 CDs;  
activates menu functions.

**▶▶** Selects the next title or section during playback.  
Selects various functions in the menus.

**▲** Opens and closes the disc compartment.

**A** Compartment for CD media.

**🎧** Headphone jack (3.5 mm ø jack plug).

**S-VIDEO** Video signal input for S-video camcorders

**VIDEO** Video signal input for camcorder.

**R AUDIO L** Audio signal input for camcorder.

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## DVD SETTINGS

No settings are necessary for operating the DVD unit of the television set.

However, in the menu, you can change the language, select sound effects, select the picture format and make many other settings.

### Selecting the menu



- 1 Press »DVD SETUP« to open the menu.  
– The menu appears.
- 2 Select the menu with »◀« or »▶« and press »OK« to activate.  
– The selected menu item is highlighted.
- 3 Select the item with »P+« or »P-« and press »OK« to confirm.  
– The setting options are displayed.
- 4 Select the function or setting using »P+« or »P-« and press »OK« to confirm.

#### Note:

Press »P+« to go back one step in the menu items.

- 5 Press »DVD SETUP« to quit the menu.

### Menu options

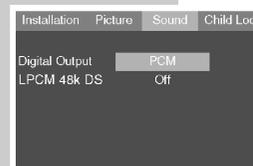
#### Voice

- Player Language: Select the on-screen menu "language".
- Subtitle: Select and display subtitles.
- Audio Language: Select the dubbing "language".
- Menu Language: Select the language of the DVD menus.
- Display Function: Switch function displays (e.g. **II** Pause) on/off.
- External Subtitle: Select the language group (character set) for additional subtitles on DivX®-video CDs.

#### Picture menu

- TV Format: Set the picture format (4:3 PS (PanScan), 4:3 LB (Letterbox), 16:9).
- TV Standard: Select the TV standard (NTSC, PAL, Auto).
- JPEG View: Select the display of JPEG pictures (Original, Screen size).
- JPEG Interval: Select the display time of JPEG pictures (5, 10, 15 seconds).
- Last Memory: Switch on/off.

## DVD SETTINGS



#### Sound menu

- Digital Output: Set the digital output (Off, Raw (Original format), PCM).
- LPCM 48k DS: Set the scanning rate 48 kHz (setting: On) or 98 kHz (setting: Off).

#### Parental lock

- Code: Enter the password and press »OK« to confirm. (After you enter a randomly selected numerical code the access level can no longer be changed.)
- Access Level: Select access level (1 to 8). (The lock symbol must be opened using a code.)
- Factory Defaults: Return to default settings.
- Divx Registration: View the internet registration code.



**Note:** Enter the key sequence "3 8 0 0" to cancel your code number.

### Service- und Sonderfunktionen

- Service Mode aktivieren:** Taste "i" -> Service Code "8500"
- Menü aufrufen:** Taste P+ / P- -> Taste "OK"
- Einstellung verändern:** Taste ◀/▶ bzw. 1 / 3, 4 / 6
- Menü verlassen:** Taste "i"
- Service Mode beenden:** Taste "TXT"

#### 1. Grundeinstellwerte

Nachfolgende Tabelle zeigt alle typenbezogenen Grundeinstellungen im Service Mode. Alle mit \* gekennzeichneten Werte müssen zusätzlich nach Abgleich (Seite 2-1) eingestellt werden.

### Service and Special Functions

- Start of the Service Mode:** Via "i" -> Service Code "8500"
- Call up the Menu:** Press button P+ / P- -> button "OK"
- Adjustment:** Press button ◀/▶ or 1 / 3, 4 / 6
- Break of the Menu:** Press button "i"
- End the Service Mode:** Press button "TXT"

#### 1. Basic Settings

The following table shows all type specific basic settings in the service mode. In addition all values marked with \* must be adjusted according to adjustment (page 2-1).

| Menü<br>Menu<br>P+ / P-<br>+<br>"OK" | Menüpunkt<br>Point of Menu<br>P+ / P- | Einstellung<br>Adjustment<br>◀/▶<br>(-10) 1 / 3 (+10)<br>(-100) 4 / 6 (+100) | Hinweis<br>Hint        | 20"-Geräte / 20" Sets         | 21"-Geräte / 21" Sets | Elegance 21 Flat<br>TVD 55-2502/5 TOP |   | Elegance 21 Flat<br>TVD 55-2502 FR/TOP |   | Elegance 21 Flat<br>TVD 55-2503/7 TOP |   | K 21 PFC - 2503 FR/TOP |  |
|--------------------------------------|---------------------------------------|------------------------------------------------------------------------------|------------------------|-------------------------------|-----------------------|---------------------------------------|---|----------------------------------------|---|---------------------------------------|---|------------------------|--|
|                                      |                                       |                                                                              |                        |                               |                       | X                                     | X | X                                      | X | X                                     | X |                        |  |
| OPTIONS                              | STANDBY                               | CUSTOMER MODE                                                                |                        |                               |                       | X                                     | X | X                                      | X |                                       |   |                        |  |
|                                      |                                       | FACTORY MODE                                                                 |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
|                                      | AV1 YUV                               | AVAILABLE                                                                    |                        |                               |                       |                                       | X | X                                      | X | X                                     |   |                        |  |
|                                      |                                       | N/A                                                                          |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
|                                      | AV2 & AV3                             | AV2&AV3 AVAILABLE                                                            |                        |                               |                       |                                       | X | X                                      | X | X                                     |   |                        |  |
|                                      |                                       | AV2&AV3 N/A                                                                  |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
|                                      |                                       | AV2 AVAIL.-AV3 N/A                                                           |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
|                                      | AV4                                   | CVBS + SVHS                                                                  |                        |                               |                       |                                       | X | X                                      | X | X                                     |   |                        |  |
|                                      |                                       | CVBS ONLY                                                                    |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
|                                      |                                       | SVHS ONLY                                                                    |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
|                                      |                                       | NONE                                                                         |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
|                                      | TELETEXT                              | FASTEXT + TOPTXT                                                             |                        |                               |                       |                                       | X | X                                      | X | X                                     |   |                        |  |
|                                      |                                       | DEFAULT                                                                      |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
|                                      |                                       | FASTEXT                                                                      |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
|                                      |                                       | TOPTXT                                                                       |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
|                                      | TXT TABLE                             | AUTO                                                                         |                        |                               |                       |                                       | X | X                                      | X | X                                     |   |                        |  |
|                                      |                                       | WEST                                                                         |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
|                                      |                                       | EAST                                                                         |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
|                                      |                                       | GREEK                                                                        |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
|                                      |                                       | CYRILLIC                                                                     |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
|                                      |                                       | ARABIC                                                                       |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
|                                      |                                       | FARSI<br>HEBREW                                                              |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
|                                      | LANGUAGE                              | 1                                                                            |                        |                               |                       |                                       | X | X                                      | X | X                                     |   |                        |  |
|                                      |                                       | 2                                                                            |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
|                                      | CRT                                   | 4.3                                                                          |                        |                               |                       |                                       | X | X                                      | X | X                                     |   |                        |  |
|                                      |                                       | 16:9                                                                         |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
|                                      | PIP                                   | AVAILABLE                                                                    |                        |                               |                       |                                       | X | X                                      | X | X                                     |   |                        |  |
|                                      |                                       | N/A                                                                          |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
|                                      | MAIN TUNER                            | PHILIPS                                                                      |                        | abhängig<br>von<br>Bestückung |                       |                                       |   |                                        |   |                                       |   |                        |  |
|                                      |                                       | PAN. DB2G3-DA5G3                                                             |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
|                                      |                                       | TEMIC                                                                        |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
|                                      |                                       | PANASONIC D44G3<br>SHARP OR ALPS                                             |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
| PIP TUNER                            | PHILIPS                               |                                                                              | depends on<br>assembly |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
|                                      | PAN. DB2G3-DA5G3                      |                                                                              |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
|                                      | TEMIC                                 |                                                                              |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
|                                      | PANASONIC D44G3<br>SHARP OR ALPS      |                                                                              |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
| SVM & DCI                            | ON                                    |                                                                              |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
|                                      | MENU                                  |                                                                              |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
| BLUEBACK                             | OFF                                   |                                                                              |                        |                               |                       | X                                     | X | X                                      | X |                                       |   |                        |  |
|                                      | ON                                    |                                                                              |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
| LTI & COMB                           | ON                                    |                                                                              |                        |                               |                       | X                                     | X | X                                      | X |                                       |   |                        |  |
|                                      | OFF                                   |                                                                              |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
| CTI                                  | ON                                    |                                                                              |                        |                               |                       | X                                     | X | X                                      | X |                                       |   |                        |  |
|                                      | MENU                                  |                                                                              |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
| ADAPTIVE PKG.                        | OFF                                   |                                                                              |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
|                                      | ON                                    |                                                                              |                        |                               |                       | X                                     | X | X                                      | X |                                       |   |                        |  |
|                                      | MENU                                  |                                                                              |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |
|                                      | OFF                                   |                                                                              |                        |                               |                       |                                       |   |                                        |   |                                       |   |                        |  |

| Menü<br>Menu<br>P+ / P-<br>+<br>"OK" | Menüpunkt<br>Point of Menu<br>P+ / P- | Einstellung<br>Adjustment<br>◀ / ▶<br>(-10) 1 / 3 (+10)<br>(-100) 4 / 6 (+100) | Hinweis<br>Hint | 20"-Geräte / 20" Sets | 21"-Geräte / 21" Sets | Elegance 21 Flat<br>TVD 55-2502/5 TOP | Elegance 21 Flat<br>TVD 55-2502 FR/TOP | Elegance 21 Flat<br>TVD 55-2503/7 TOP | K 21 PEC - 2503 FR/TOP |   |
|--------------------------------------|---------------------------------------|--------------------------------------------------------------------------------|-----------------|-----------------------|-----------------------|---------------------------------------|----------------------------------------|---------------------------------------|------------------------|---|
| OPTIONS                              | PROTECTION                            | BCL ONLY                                                                       |                 |                       |                       |                                       |                                        |                                       |                        |   |
|                                      |                                       | VERTICAL ONLY                                                                  |                 |                       |                       |                                       |                                        |                                       |                        |   |
|                                      |                                       | BCL & VERTICAL                                                                 |                 |                       |                       |                                       | X                                      | X                                     | X                      | X |
|                                      |                                       | N/A                                                                            |                 |                       |                       |                                       |                                        |                                       |                        |   |
|                                      | PANORAMA                              | AVAILABLE                                                                      |                 |                       |                       |                                       |                                        |                                       |                        |   |
|                                      |                                       | N/A                                                                            |                 |                       |                       |                                       | X                                      | X                                     | X                      | X |
|                                      | DVD LANGUAGE                          | A                                                                              |                 |                       |                       |                                       | X                                      | X                                     |                        | X |
|                                      |                                       | B                                                                              |                 |                       |                       |                                       |                                        |                                       |                        |   |
|                                      |                                       | C                                                                              |                 |                       |                       |                                       |                                        |                                       | X                      |   |
|                                      |                                       | D                                                                              |                 |                       |                       |                                       |                                        |                                       |                        |   |
|                                      | GAME                                  | AVAILABLE                                                                      |                 |                       |                       |                                       |                                        |                                       |                        |   |
|                                      |                                       | N/A                                                                            |                 |                       |                       |                                       | X                                      | X                                     | X                      | X |
|                                      | ALARM TIMER                           | AVAILABLE                                                                      |                 |                       |                       |                                       | X                                      | X                                     | X                      | X |
|                                      |                                       | N/A                                                                            |                 |                       |                       |                                       |                                        |                                       |                        |   |
| DEMO MODE                            | 0                                     |                                                                                |                 |                       |                       | X                                     | X                                      | X                                     | X                      |   |
|                                      | 1                                     |                                                                                | ATS RESET       |                       |                       |                                       |                                        |                                       |                        |   |
| SOUND OPTIONS                        | BG                                    | EUROPE                                                                         |                 |                       |                       | X                                     | X                                      | X                                     | X                      |   |
|                                      |                                       | NEW ZELLAND                                                                    |                 |                       |                       |                                       |                                        |                                       |                        |   |
|                                      |                                       | AUSTRALIA                                                                      |                 |                       |                       |                                       |                                        |                                       |                        |   |
|                                      |                                       | N/A                                                                            |                 |                       |                       |                                       |                                        |                                       |                        |   |
|                                      | DK                                    | AVAILABLE                                                                      |                 |                       |                       |                                       |                                        |                                       | X                      |   |
|                                      |                                       | N/A                                                                            |                 |                       |                       |                                       | X                                      | X                                     |                        | X |
|                                      | I                                     | AVAILABLE                                                                      |                 |                       |                       |                                       |                                        |                                       |                        |   |
|                                      |                                       | N/A                                                                            |                 |                       |                       |                                       | X                                      | X                                     | X                      | X |
|                                      | L/L'                                  | AVAILABLE                                                                      |                 |                       |                       |                                       |                                        | X                                     |                        | X |
|                                      |                                       | N/A                                                                            |                 |                       |                       |                                       | X                                      |                                       | X                      |   |
|                                      | FM RADIO/TV GUIDE                     | FM RADIO                                                                       |                 |                       |                       |                                       |                                        |                                       |                        |   |
|                                      |                                       | TV GUIDE                                                                       |                 |                       |                       |                                       | X                                      | X                                     | X                      | X |
|                                      |                                       | NONE                                                                           |                 |                       |                       |                                       |                                        |                                       |                        |   |
|                                      | NICAM                                 | AVAILABLE                                                                      |                 |                       |                       |                                       | X                                      | X                                     | X                      | X |
|                                      |                                       | N/A                                                                            |                 |                       |                       |                                       |                                        |                                       |                        |   |
|                                      | DOLBY VIRTUAL                         | AVAILABLE                                                                      |                 |                       |                       |                                       |                                        |                                       |                        |   |
|                                      |                                       | N/A                                                                            |                 |                       |                       |                                       | X                                      | X                                     | X                      | X |
|                                      | BASS OPTION                           | DYNAMIC BASS                                                                   |                 |                       |                       |                                       |                                        |                                       |                        |   |
| SUBWOOFER                            |                                       |                                                                                |                 |                       |                       |                                       |                                        |                                       |                        |   |
| NONE                                 |                                       |                                                                                |                 |                       |                       | X                                     | X                                      | X                                     | X                      |   |
| HEADPHONE                            | AVAILABLE                             |                                                                                |                 |                       |                       | X                                     | X                                      | X                                     | X                      |   |
|                                      | N/A                                   |                                                                                |                 |                       |                       |                                       |                                        |                                       |                        |   |
| SOUND OPTIONS                        | CARRIER MUTE                          | VIA MSP                                                                        |                 |                       |                       | X                                     | X                                      | X                                     | X                      |   |
|                                      |                                       | VIA MICRO                                                                      |                 |                       |                       |                                       |                                        |                                       |                        |   |
|                                      | PAT                                   | AVAILABLE                                                                      |                 |                       |                       |                                       |                                        |                                       |                        |   |
|                                      |                                       | N/A                                                                            |                 |                       |                       |                                       | X                                      | X                                     | X                      | X |
|                                      | SIMPLE HOTEL                          | AVAILABLE                                                                      |                 |                       |                       |                                       |                                        |                                       |                        |   |
|                                      |                                       | N/A                                                                            |                 |                       |                       |                                       | X                                      | X                                     | X                      | X |
|                                      | HOTEL MAX VOL                         | EINSTELLWERT/VALUE                                                             |                 |                       |                       |                                       |                                        |                                       |                        |   |
|                                      | OSD OFFSET                            |                                                                                |                 |                       |                       |                                       |                                        |                                       |                        |   |
|                                      | BCL DELTA                             |                                                                                |                 | 50                    |                       | 50                                    |                                        |                                       |                        |   |
|                                      | AGC METHOD                            | SYNC ONLY                                                                      |                 |                       |                       |                                       |                                        |                                       |                        |   |
|                                      |                                       | SYNC+PEAK WHITE&DARK                                                           |                 |                       |                       |                                       |                                        |                                       |                        |   |
| FIXED                                |                                       |                                                                                |                 |                       |                       |                                       |                                        |                                       |                        |   |
| TILT                                 | AVAILABLE                             |                                                                                |                 |                       |                       |                                       |                                        |                                       |                        |   |
|                                      | N/A                                   |                                                                                |                 |                       |                       | X                                     | X                                      | X                                     | X                      |   |
| TILT 0                               |                                       |                                                                                | 0               |                       | 0                     |                                       |                                        |                                       |                        |   |
| CRT 4:3, MODE 16:9                   | DISABLE AUTO CUTOFF<br>VIA FLYBL      |                                                                                |                 |                       |                       | X                                     | X                                      | X                                     | X                      |   |
| IF ADJ.                              | AGC                                   |                                                                                |                 | 4                     |                       | 4                                     |                                        |                                       |                        |   |
|                                      | AGC FOR VHF I                         |                                                                                |                 | 4                     |                       | 4                                     |                                        |                                       |                        |   |
|                                      | PIP AGC                               |                                                                                |                 | 15                    |                       | 15                                    |                                        |                                       |                        |   |
|                                      | PIP AGC FOR VHF I                     |                                                                                |                 | 20                    |                       | 20                                    |                                        |                                       |                        |   |

| Menü<br>Menu<br>P+ / P-<br>+<br>"OK" | Menüpunkt<br>Point of Menu<br>P+ / P- | Einstellung<br>Adjustment<br>◀ / ▶<br>(-10) 1 / 3 (+10)<br>(-100) 4 / 6 (+100) | Hinweis<br>Hint | 20"-Geräte / 20" Sets | 21"-Geräte / 21" Sets | Elegance 21 Flat<br>TVD 55-2502/5 TOP |       | Elegance 21 Flat<br>TVD 55-2502 FR/TOP |  | Elegance 21 Flat<br>TVD 55-2503/7 TOP |  | K 21 PEC - 2503 FR/TOP |
|--------------------------------------|---------------------------------------|--------------------------------------------------------------------------------|-----------------|-----------------------|-----------------------|---------------------------------------|-------|----------------------------------------|--|---------------------------------------|--|------------------------|
|                                      |                                       |                                                                                |                 |                       |                       |                                       |       |                                        |  |                                       |  |                        |
| 50HZ GEOM.                           | VERTICAL AMPLITUDE*                   |                                                                                |                 | -210                  |                       |                                       |       | 140                                    |  |                                       |  |                        |
|                                      | VERTICAL SHIFT*                       |                                                                                |                 | 3                     |                       |                                       |       | 7                                      |  |                                       |  |                        |
|                                      | HORIZONTAL WIDTH*                     |                                                                                |                 | 0                     |                       |                                       |       | 0                                      |  |                                       |  |                        |
|                                      | HORIZONTAL SHIFT*                     |                                                                                |                 | -27                   |                       |                                       |       | -44                                    |  |                                       |  |                        |
|                                      | TRAPEZE CORR. I*                      |                                                                                |                 | 0                     |                       |                                       |       | 0                                      |  |                                       |  |                        |
|                                      | CUSHION CORR. I*                      |                                                                                |                 | 0                     |                       |                                       |       | 0                                      |  |                                       |  |                        |
|                                      | UPPER CORNER 1 I*                     |                                                                                |                 | 0                     |                       |                                       |       | 0                                      |  |                                       |  |                        |
|                                      | LOWER CORNER 1 I*                     |                                                                                |                 | 0                     |                       |                                       |       | 0                                      |  |                                       |  |                        |
|                                      | UPPER CORNER 2 I*                     |                                                                                |                 | 0                     |                       |                                       |       | 0                                      |  |                                       |  |                        |
|                                      | LOWER CORNER 2 I*                     |                                                                                |                 | 0                     |                       |                                       |       | 0                                      |  |                                       |  |                        |
|                                      | LINEARITY*                            |                                                                                |                 | 20                    |                       |                                       |       | 40                                     |  |                                       |  |                        |
|                                      | S-CORRECTION*                         |                                                                                |                 | 90                    |                       |                                       |       | 40                                     |  |                                       |  |                        |
|                                      | VERTICAL ANGLE*                       |                                                                                |                 | 0                     |                       |                                       |       | 0                                      |  |                                       |  |                        |
|                                      | VERTICAL BOW*                         |                                                                                |                 | 0                     |                       |                                       |       | 0                                      |  |                                       |  |                        |
|                                      | START LINE MEASUR.                    |                                                                                |                 | 11                    |                       |                                       |       | 11                                     |  |                                       |  |                        |
|                                      | VER. BLANKING STOP                    |                                                                                |                 | 25                    |                       |                                       |       | 22                                     |  |                                       |  |                        |
|                                      | VER. BLANKING START                   |                                                                                |                 | 293                   |                       |                                       |       | 333                                    |  |                                       |  |                        |
|                                      | HOR. BLANKING STOP                    |                                                                                |                 | 225                   |                       |                                       |       | 205                                    |  |                                       |  |                        |
| HOR. BLANKING START                  |                                       |                                                                                | 1225            |                       |                       |                                       | 1245  |                                        |  |                                       |  |                        |
| HOR. OSD POSITION*                   |                                       |                                                                                | 31              |                       |                       |                                       | 31    |                                        |  |                                       |  |                        |
| VER. OSD POSITION*                   |                                       |                                                                                | 18              |                       |                       |                                       | 18    |                                        |  |                                       |  |                        |
| 50HZ GEOM. HOR. II                   | HOR. WIDTH II                         |                                                                                |                 | 110                   |                       |                                       |       | 110                                    |  |                                       |  |                        |
|                                      | VER ZOOM II                           |                                                                                |                 | 47                    |                       |                                       |       | 68                                     |  |                                       |  |                        |
|                                      | FLYBL                                 |                                                                                |                 | 16                    |                       |                                       |       | 14                                     |  |                                       |  |                        |
|                                      | TRAPEZE CORR. II*                     |                                                                                |                 | 0                     |                       |                                       |       | 0                                      |  |                                       |  |                        |
|                                      | CUSHION CORR. II*                     |                                                                                |                 | 0                     |                       |                                       |       | 0                                      |  |                                       |  |                        |
|                                      | UPPER CORNER 1 II*                    |                                                                                |                 | 0                     |                       |                                       |       | 0                                      |  |                                       |  |                        |
|                                      | LOWER CORNER 1 II*                    |                                                                                |                 | 0                     |                       |                                       |       | 0                                      |  |                                       |  |                        |
|                                      | UPPER CORNER 2 II*                    |                                                                                |                 | 0                     |                       |                                       |       | 0                                      |  |                                       |  |                        |
| LOWER CORNER 2 II*                   |                                       |                                                                                | 0               |                       |                       |                                       | 0     |                                        |  |                                       |  |                        |
| 50HZ GEOM. EHT                       | EHT TRESHOLD                          |                                                                                |                 | 63                    |                       |                                       |       | 63                                     |  |                                       |  |                        |
|                                      | EHT TIME CONSTANT                     |                                                                                |                 | 60                    |                       |                                       |       | 60                                     |  |                                       |  |                        |
|                                      | VERTICAL EHT 1                        |                                                                                |                 | -142                  |                       |                                       |       | -110                                   |  |                                       |  |                        |
|                                      | VERTICAL EHT 2                        |                                                                                |                 | -122                  |                       |                                       |       | -120                                   |  |                                       |  |                        |
|                                      | HORIZONTAL EHT 1                      |                                                                                |                 | 0                     |                       |                                       |       | 0                                      |  |                                       |  |                        |
|                                      | HORIZONTAL EHT 2                      |                                                                                |                 | 0                     |                       |                                       |       | 0                                      |  |                                       |  |                        |
|                                      | EHT DTC                               |                                                                                |                 | -50                   |                       |                                       |       | -50                                    |  |                                       |  |                        |
|                                      | EHT P1                                |                                                                                |                 | -49                   |                       |                                       |       | -49                                    |  |                                       |  |                        |
| EHT P2                               |                                       |                                                                                | -50             |                       |                       |                                       | -50   |                                        |  |                                       |  |                        |
| 60HZ GEOM.                           | VERTICAL AMPLITUDE*                   |                                                                                |                 | -198                  |                       |                                       |       | 210                                    |  |                                       |  |                        |
|                                      | VERTICAL SHIFT*                       |                                                                                |                 | 7                     |                       |                                       |       | 17                                     |  |                                       |  |                        |
|                                      | HORIZONTAL WIDTH*                     |                                                                                |                 | 0                     |                       |                                       |       | 0                                      |  |                                       |  |                        |
|                                      | HORIZONTAL SHIFT*                     |                                                                                |                 | -61                   |                       |                                       |       | -61                                    |  |                                       |  |                        |
|                                      | TRAPEZE CORR. I*                      |                                                                                |                 | 0                     |                       |                                       |       | 0                                      |  |                                       |  |                        |
|                                      | CUSHION CORR. I*                      |                                                                                |                 | 0                     |                       |                                       |       | 0                                      |  |                                       |  |                        |
|                                      | UPPER CORNER 1 I*                     |                                                                                |                 | 0                     |                       |                                       |       | 0                                      |  |                                       |  |                        |
|                                      | LOWER CORNER 1 I*                     |                                                                                |                 | 0                     |                       |                                       |       | 0                                      |  |                                       |  |                        |
|                                      | UPPER CORNER 2 I*                     |                                                                                |                 | 0                     |                       |                                       |       | 0                                      |  |                                       |  |                        |
|                                      | LOWER CORNER 2 I*                     |                                                                                |                 | 0                     |                       |                                       |       | 0                                      |  |                                       |  |                        |
|                                      | LINEARITY*                            |                                                                                |                 | 0                     |                       |                                       |       | 40                                     |  |                                       |  |                        |
|                                      | S-CORRECTION*                         |                                                                                |                 | -41                   |                       |                                       |       | -30                                    |  |                                       |  |                        |
|                                      | VERTICAL ANGLE*                       |                                                                                |                 | 0                     |                       |                                       |       | 0                                      |  |                                       |  |                        |
|                                      | VERTICAL BOW*                         |                                                                                |                 | 0                     |                       |                                       |       | 0                                      |  |                                       |  |                        |
|                                      | START LINE MEASUR.                    |                                                                                |                 | 11                    |                       |                                       |       | 12                                     |  |                                       |  |                        |
|                                      | VER. BLANKING STOP                    |                                                                                |                 | 20                    |                       |                                       |       | 18                                     |  |                                       |  |                        |
|                                      | VER. BLANKING START                   |                                                                                |                 | 310                   |                       |                                       |       | 333                                    |  |                                       |  |                        |
|                                      | HOR. BLANKING STOP                    |                                                                                |                 | 225                   |                       |                                       |       | 183                                    |  |                                       |  |                        |
| HOR. BLANKING START                  |                                       |                                                                                | 1220            |                       |                       |                                       | 12354 |                                        |  |                                       |  |                        |
| HOR. OSD POSITION*                   |                                       |                                                                                | 18              |                       |                       |                                       | 16    |                                        |  |                                       |  |                        |
| VER. OSD POSITION*                   |                                       |                                                                                | 6               |                       |                       |                                       | 8     |                                        |  |                                       |  |                        |

Alle mit \* gekennzeichneten Menüpunkte müssen zusätzlich nach Abgleich (Seite 2-1) eingestellt werden.  
In addition all points of menu with \* must be adjusted according to adjustment (page 2-1).

| Menü<br>Menu<br>P+ / P-<br>+<br>"OK" | Menüpunkt<br>Point of Menu<br>P+ / P- | Einstellung<br>Adjustment<br>◀ / ▶<br>(-10) 1 / 3 (+10)<br>(-100) 4 / 6 (+100) | Hinweis<br>Hint | 20"-Geräte / 20" Sets | 21"-Geräte / 21" Sets | Elegance 21 Flat<br>TVD 55-2502/5 TOP |  | Elegance 21 Flat<br>TVD 55-2502 FR/TOP |      | Elegance 21 Flat<br>TVD 55-2503/7 TOP |  | K 21 PFC - 2503 FR/TOP |
|--------------------------------------|---------------------------------------|--------------------------------------------------------------------------------|-----------------|-----------------------|-----------------------|---------------------------------------|--|----------------------------------------|------|---------------------------------------|--|------------------------|
|                                      |                                       |                                                                                |                 |                       |                       |                                       |  |                                        |      |                                       |  |                        |
| 60HZ GEOM. HOR. II                   | HOR. WIDTH II                         |                                                                                |                 | 110                   |                       |                                       |  |                                        | 0    |                                       |  |                        |
|                                      | VER ZOOM II                           |                                                                                |                 | 50                    |                       |                                       |  |                                        | 65   |                                       |  |                        |
|                                      | CUTOFF TIMER                          |                                                                                |                 | 10                    |                       |                                       |  |                                        | 10   |                                       |  |                        |
|                                      | TRAPEZE CORR. II*                     |                                                                                |                 | 0                     |                       |                                       |  |                                        | 0    |                                       |  |                        |
|                                      | CUSHION CORR. II*                     |                                                                                |                 | 0                     |                       |                                       |  |                                        | 0    |                                       |  |                        |
|                                      | UPPER CORNER 1 II*                    |                                                                                |                 | 0                     |                       |                                       |  |                                        | 0    |                                       |  |                        |
|                                      | LOWER CORNER 1 II*                    |                                                                                |                 | 0                     |                       |                                       |  |                                        | 0    |                                       |  |                        |
|                                      | UPPER CORNER 2 II*                    |                                                                                |                 | 0                     |                       |                                       |  |                                        | 0    |                                       |  |                        |
| 60HZ GEOM. EHT                       | EHT TRESHOLD                          |                                                                                |                 | 50                    |                       |                                       |  |                                        | 50   |                                       |  |                        |
|                                      | EHT TIME CONSTANT                     |                                                                                |                 | 40                    |                       |                                       |  |                                        | 40   |                                       |  |                        |
|                                      | VERTICAL EHT 1                        |                                                                                |                 | -109                  |                       |                                       |  |                                        | -123 |                                       |  |                        |
|                                      | VERTICAL EHT 2                        |                                                                                |                 | -123                  |                       |                                       |  |                                        | -120 |                                       |  |                        |
|                                      | HORIZONTAL EHT 1                      |                                                                                |                 | 0                     |                       |                                       |  |                                        | 0    |                                       |  |                        |
|                                      | HORIZONTAL EHT 2                      |                                                                                |                 | 0                     |                       |                                       |  |                                        | 0    |                                       |  |                        |
|                                      | EHT DTC                               |                                                                                |                 | -50                   |                       |                                       |  |                                        | -50  |                                       |  |                        |
|                                      | EHT P1                                |                                                                                |                 | -39                   |                       |                                       |  |                                        | -50  |                                       |  |                        |
|                                      | EHT P2                                |                                                                                |                 | -34                   |                       |                                       |  |                                        | -55  |                                       |  |                        |
| VIDEO ADJ. I                         | R. DRIVE                              |                                                                                |                 | 356                   |                       |                                       |  |                                        | 356  |                                       |  |                        |
|                                      | G. DRIVE                              |                                                                                |                 | 356                   |                       |                                       |  |                                        | 356  |                                       |  |                        |
|                                      | B. DRIVE                              |                                                                                |                 | 356                   |                       |                                       |  |                                        | 356  |                                       |  |                        |
|                                      | R. CUTOFF                             |                                                                                |                 | 156                   |                       |                                       |  |                                        | 156  |                                       |  |                        |
|                                      | G. CUTOFF                             |                                                                                |                 | 156                   |                       |                                       |  |                                        | 156  |                                       |  |                        |
|                                      | B. CUTOFF                             |                                                                                |                 | 156                   |                       |                                       |  |                                        | 156  |                                       |  |                        |
|                                      | IBRM                                  |                                                                                |                 | 280                   |                       |                                       |  |                                        | 280  |                                       |  |                        |
|                                      | WDRM                                  |                                                                                |                 | 290                   |                       |                                       |  |                                        | 270  |                                       |  |                        |
| SCREEN ADJ.                          |                                       |                                                                                | 250             |                       |                       |                                       |  | 297                                    |      |                                       |  |                        |
| VIDEO ADJ. II                        | BCL GAIN                              |                                                                                |                 | 310                   |                       |                                       |  |                                        | 280  |                                       |  |                        |
|                                      | BCL TRESHHOLD                         |                                                                                |                 | 245                   |                       |                                       |  |                                        | 180  |                                       |  |                        |
|                                      | BCL TRESHHOLD II                      |                                                                                |                 | 155                   |                       |                                       |  |                                        | 175  |                                       |  |                        |
|                                      | BCL TIME CONSTANT 1                   |                                                                                |                 | 511                   |                       |                                       |  |                                        | 511  |                                       |  |                        |
|                                      | BCL TIME CONSTANT 2                   |                                                                                |                 | 0                     |                       |                                       |  |                                        | 0    |                                       |  |                        |
|                                      | OSD BRIGHTNESS                        |                                                                                |                 | 135                   |                       |                                       |  |                                        | 130  |                                       |  |                        |
|                                      | OSD CONTRAST                          |                                                                                |                 | 140                   |                       |                                       |  |                                        | 120  |                                       |  |                        |
|                                      | TXT BRIGHTNESS                        |                                                                                |                 | 130                   |                       |                                       |  |                                        | 100  |                                       |  |                        |
|                                      | TXT CONTRAST                          |                                                                                |                 | 135                   |                       |                                       |  |                                        | 120  |                                       |  |                        |
|                                      | VC DELAY FOR PAL                      |                                                                                |                 | 9                     |                       |                                       |  |                                        | 9    |                                       |  |                        |
|                                      | VC DELAY FOR SECAM                    |                                                                                |                 | 2                     |                       |                                       |  |                                        | 2    |                                       |  |                        |
|                                      | VC DELAY FOR NTSC                     |                                                                                |                 | 10                    |                       |                                       |  |                                        | 10   |                                       |  |                        |
|                                      | SUBCARRIER ADJ.                       |                                                                                |                 | 8                     |                       |                                       |  |                                        | 18   |                                       |  |                        |
| VIDEO ADJ. III                       | DPWL GAIN                             |                                                                                |                 | -300                  |                       |                                       |  |                                        | -300 |                                       |  |                        |
|                                      | DPWL START P.                         |                                                                                |                 | 380                   |                       |                                       |  |                                        | 500  |                                       |  |                        |
|                                      | PWL TIME CONSTANT                     |                                                                                |                 | 1                     |                       |                                       |  |                                        | 1    |                                       |  |                        |
|                                      | PWL                                   |                                                                                |                 | 60                    |                       |                                       |  |                                        | 70   |                                       |  |                        |
|                                      | SVM GAIN                              |                                                                                |                 | 0                     |                       |                                       |  |                                        | 0    |                                       |  |                        |
|                                      | SVM CORING                            |                                                                                |                 | 0                     |                       |                                       |  |                                        | 0    |                                       |  |                        |
|                                      | SVM LIMITER                           |                                                                                |                 | 0                     |                       |                                       |  |                                        | 0    |                                       |  |                        |
|                                      | SVM DELAY                             |                                                                                |                 | 0                     |                       |                                       |  |                                        | 0    |                                       |  |                        |
| SVM DIFF. WINDOW                     |                                       |                                                                                | 0               |                       |                       |                                       |  | 0                                      |      |                                       |  |                        |
| PIP POSITION                         |                                       |                                                                                |                 |                       |                       |                                       |  |                                        |      |                                       |  |                        |
| EE-<br>PROM<br>EDIT                  | ADDRESS                               |                                                                                | ---             | H                     |                       |                                       |  |                                        |      |                                       |  |                        |
|                                      | DATA (HEX)                            |                                                                                | 00H             |                       |                       |                                       |  |                                        |      |                                       |  |                        |
|                                      | DATA (BINARY)                         |                                                                                | 0000 0000B      |                       |                       |                                       |  |                                        |      |                                       |  |                        |
| PRESET                               | OPTIONS                               |                                                                                |                 |                       |                       |                                       |  |                                        |      |                                       |  |                        |
|                                      | SOUND OPTIONS                         |                                                                                |                 |                       |                       |                                       |  |                                        |      |                                       |  |                        |
|                                      | IF ADJ.                               |                                                                                |                 |                       |                       |                                       |  |                                        |      |                                       |  |                        |
|                                      | GEOMETRY ADJ.                         |                                                                                |                 |                       |                       |                                       |  |                                        |      |                                       |  |                        |
|                                      | VIDEO ADJ.                            |                                                                                |                 |                       |                       |                                       |  |                                        |      |                                       |  |                        |
| ALL OPTIONS & ADJ.                   |                                       |                                                                                |                 |                       |                       |                                       |  |                                        |      |                                       |  |                        |

Alle mit \* gekennzeichneten Menüpunkte müssen zusätzlich nach Abgleich (Seite 2-1) eingestellt werden.  
In addition all points of menu with \* must be adjusted according to adjustment (page 2-1).

## 2. Austausch des IC101 oder IC401

Nach Austausch des IC101 oder IC401 müssen alle Einstellungen im Service Mode nach Tabelle "Grundeinstellwerte" (Punkt 1) überprüft und gegebenenfalls durchgeführt werden.

### 3. Programmsuchlauf (ATS)

Tasten " i " (Hauptmenü) → P+ / P- "Installation" → "OK" → P+ / P- "Programmsuchlauf" → "OK" → P+ / P- / ◀ / ▶ Land auswählen und mit "OK" Suchlauf starten.

Das automatische Sendersuchsystem stoppt bei jedem empfangswürdigen Sender (AFC und Koinzidenz) und speichert automatisch die entsprechenden Senderdaten mit dem jeweiligen Standard. Danach wird der Suchlauf fortgesetzt.

Tastendruck " i " bricht den ATS-Lauf ab.

### 4. Software-Versionsnummern

Die TV-Software-Versionsnummer wird im Service Menü angezeigt:

z.B. SK5256G-02 T01  
10:49:25  
23/05/05 F1

Zur Anzeige der Software-Versionsnummer des DVD-Players sind entsprechend des DVD-Laufwerktyps folgende Bedienschritte auszuführen:

- HUALU-Laufwerk: DVD-Betrieb → Schublade öffnen → "3676"
- DVS-Laufwerk: DVD-Betrieb → Schublade ohne DVD/CD schließen → "77" → ▶▶

### 5. Testbild

- Service Mode aktivieren: " i " → "8500"
- Taste "AV" drücken.

### 6. Schutzschaltung

Im Fehlerfall wird über die Pins 50 und 59 des IC101 das Gerät in Standby geschaltet. Im Service Mode kann diese Schutzschaltung zur Fehlersuche abgeschaltet werden: " i " → "8500" → P+ / P- "OPTIONS" → "OK" → P+ / P- "PROTECTION" → ◀ / ▶ "N/A", "BCL ONLY", oder "VERTICAL ONLY".

**Nach der Reparatur muss die Schutzschaltung wieder eingeschaltet werden "BCL & VERTICAL"!**

### 7. EEPROM Edit

Diese Funktion ist ausschließlich für die Entwicklung. Bei Eingaben jeglicher Art sind die Gerätefunktionen nicht mehr gewährleistet.

### 8. Basiswerte "PRESET"

**Achtung:** Der Aufruf der einzelnen "PRESET" **überschreibt gerätespezifische Parameter** mit Basiswerten. Die Gerätefunktionen sind nach dem Aufruf dieser Funktionen nicht mehr gewährleistet. Alle Einstellungen im Service Mode **müssen** gemäß der Tabelle "Grundeinstellwerte" (Punkt 1) durchgeführt werden.

Aufruf: " i " → "8500" → P+ / P- "PRESET" → "OK".

Es können folgende Basiswerte geladen werden:

- Options
- Sound Options
- IF Adj.
- Geometry Adj.
- Video Adj.
- All Options & Adj.

### 9. Hotel-Mode

Bei aktivierter Funktion ist die maximale Lautstärke begrenzt und die Programmtabelle und Installation sind im MENU INFO nicht mehr enthalten.

Aufruf: " i " → "8500" → P+ / P- "SOUND OPTIONS" → "OK" → P+ / P- "SIMPLE HOTEL" → ◀ / ▶ "AVAILABLE".

Maximale Lautstärke: " i " → "8500" → P+ / P- "SOUND OPTIONS" → "OK" → P+ / P- "HOTEL MAX VOL" → ◀ / ▶ Wert 0...63.

#### 9.1 Sonderfunktion bei aktiviertem Hotel-Mode

Bei dieser Sonderfunktion ist im Menü Ton die maximale Lautstärke "Maxvol" zusätzlich einstellbar. Des Weiteren sind die Menüs Programmtabelle und Sonderfunktionen bis zum nächsten Ausschalten (Standby) des Gerätes verfügbar.

Aufruf: " i " → P+ / P- "Sonderfunktionen" → "OK" → "4658"

## 2. Change of the IC101 or IC401

After changing the IC101 or IC401 all settings in the service mode must be checked and if necessary be done according to the table "Basic Settings" (point 1).

### 3. Autoprogram (ATS)

Buttons " i " (Main menu) → P+ / P- "Channel Settings" → "OK" → P+ / P- "Autoprogram" → "OK" → P+ / P- / ◀ / ▶ select Country and start search with "OK".

The autoprogram system stops at every station of acceptable reception quality (AFC and coincidence) and stores the station data and the respective standard automatically. The system then continues searching.

Pressing the " i " button stops the ATS function.

### 4. Software Version Numbers

The TV software version number is shown in the Service Menu:

e.g. SK5256G-02 T01  
10:49:25  
23/05/05 F1

According of type of DVD drive the software version number of DVD player is shown via the following steps.

- HUALU-Drive: DVD Mode → open the tray → "3676"
- DVS-Drive: DVD Mode → close the tray without DVD/CD → "77" → ▶▶

### 5. Test Pattern

- Activate the service mode: " i " → "8500"
- Press button "AV".

### 6. Protection Circuit

In case of malfunction the set is switched to standby via pins 50 and 59 of IC101. This protection circuit can be switched off in the service mode to find the defect: " i " → "8500" → P+ / P- "OPTIONS" → "OK" → P+ / P- "PROTECTION" → ◀ / ▶ "N/A", "BCL ONLY", or "VERTICAL ONLY".

**After finishing the repair the protection circuit must be switched on again "BCL & VERTICAL"!**

### 7. EEPROM Edit

This function is only for development. Any settings may cause a defective set.

### 8. Basic values "PRESET"

**Attention: All device-specific values will be replaced by basic values** when calling up any "PRESET". The unit functions are not ensured after calling up any presets. All settings in the service mode **must** be done according to the table "Basic Settings" (point 1).

Call up: " i " → "8500" → P+ / P- "PRESET" → "OK".

The following basic values can be loaded:

- Options
- Sound Options
- IF Adj.
- Geometry Adj.
- Video Adj.
- All Options & Adj.

### 9. Hotel Mode

Maximum volume is limited and there is no access to "Preset List" and "Channel Settings" at activated hotel mode.

Call up: " i " → "8500" → P+ / P- "SOUND OPTIONS" → "OK" → P+ / P- "SIMPLE HOTEL" → ◀ / ▶ "AVAILABLE".

Maximum volume: " i " → "8500" → P+ / P- "SOUND OPTIONS" → "OK" → P+ / P- "HOTEL MAX VOL" → ◀ / ▶ Value 0...63.

#### 9.1 Special Functions at activated Hotel Mode

The maximum volume can be adjusted in the additionally menu item "Maxvol" in the sound menu.

In addition there is access to the menus "Preset List" and "Channel Settings" until the set is switched off (standby).

Call up: " i " → P+ / P- "Settings" → "OK" → "4658"

## Software-Upgrade

- Neue Software auf eine CD brennen.
- CD im DVD-Laufwerk einlegen und Hinweise am Bildschirm beachten.

**Achtung:** Während des Updates keine Tasten drücken oder die Spannungsversorgung unterbrechen, da sonst das DVD-Laufwerk zerstört werden kann.

### Gewährleistung

Wir weisen ausdrücklich darauf hin, dass nur von GRUNDIG freigegebene System-Software zulässig ist. Wurde als Fehlerursache festgestellt, dass eine aus nicht legitimierten Quellen gleich welcher Herkunft stammende oder eine veränderte System-Software in die Geräte geladen wurde, so ist dies ein Fremdeingriff. Ein Fremdeingriff führt zum Erlöschen jeglicher Gewährleistungsansprüche. GRUNDIG muss daher alle aus diesen Gründen resultierenden Kostenerstattungen generell ablehnen. Instandsetzungskosten, auch innerhalb der Gewährleistungszeit, gehen in diesen Fällen zu Lasten des Händlers bzw. des Endkunden.

## Software Upgrade

- Burn the new software on a CD.
- Insert the upgrade CD and observe the hints on the screen.  
**Attention:** Don't press any keys or don't interrupt the power while software upgrading, otherwise, the DVD drive may be destroyed.

### Warranty / costs

We expressly point out that only operating software authorized by GRUNDIG is allowed. If a failure is caused by an operating software which has been downloaded from not authorized sources, independent of its origin, or by a modified software, this represents an outside interference. An outside interference leads to the expiration of any warranty claims. For this reason, GRUNDIG is obliged to generally refuse any payment due to such infringements. In such cases, the repair costs are at the charge of the retailer or the final customer, even within the period of warranty.

## Abgleich

**Messgeräte:** Digitalvoltmeter, FarbBildgenerator.

**Servicearbeiten nach Austausch bzw. Reparatur:**

- **Netzteil:** Abgleich 1, 2
- **IC401 (EEPROM):** Abgleich 3...5
- **Bildröhre:** Abgleich 2...5
- **Bildrohrplatte:** Abgleich 2, 4, 5
- **Ablenkung:** Abgleich 3

**Service Menü aufrufen:** Taste "i" drücken -> "8500" eingeben.  
**Untermenüs** mit den Tasten P+ / P- anwählen und mit OK aufrufen.  
**Menüpunkte** mit den Tasten P+ / P- anwählen und mit den Tasten </> Werte ändern. Zurück zum Hauptmenü mit Taste "i".  
 Service Menü beenden: Taste "TXT" drücken.

### 1. Spannung B+

- Digitalvoltmeter: D609 Kathode
  - Programm: AV
  - Helligkeit auf Minimum.
  - **Spannung B+** mit **P601** entsprechend der Bildröhre einstellen:
- | Bildröhre     | Spannung |
|---------------|----------|
| A48ECR43X51   | 114V     |
| A51EFS13X191  | 111V     |
| A51EER33X78   | 114V     |
| A51QDX993X030 | 122V     |
| A51QDX993X230 | 122V     |
| A51ERF135X80  | 125V     |
| A51ELD032X001 | 125V     |

### 2. Screen

- Service Mode aufrufen: Taste "i" drücken -> "8500" eingeben.
- **BLUEBLACK** im Service Menü **OPTIONS** mit den Tasten P+ / P- anwählen und mit den Tasten </> auf **OFF** stellen. Taste "i" drücken (zurück zu Hauptmenü).
- **SCREEN ADJ** im Service Menü **VIDEO ADJ. I** mit den Tasten P+ / P- anwählen und mit den Tasten </> auf **den Wert nach Tabelle** (S.1-6) stellen. Taste **OK** drücken -> horizontale Linie erscheint.
- **SCREEN** -Regler am Dioden-Splitt-Trafo TR502 so einstellen, dass die Linie gerade sichtbar ist.
- Service Mode beenden: Taste "TXT" drücken.

### 3. Geometrie

Dieser Abgleich ist jeweils für PAL/SECAM (50Hz) und NTSC (60Hz) getrennt durchzuführen. PAL-Geometrie-Testbild bei 50Hz-Geometrie-abgleich und NTSC-Geometrie-Testbild bei 60Hz-Geometrieabgleich an AV1-Buchse einspeisen.

- Alle Werte des Untermenüs **50HZ GEOM. EHT** nach Tabelle (S.1-6) einstellen.
- Alle Werte des Untermenüs **50HZ GEOM.** nach Tabelle einstellen. Anschließend alle in der Tabelle mit \* markierten Menüpunkte dieses Menüs nach Testbild abgleichen.
- Bei 16:9-Geräten Bildformat 4:3 und bei 4:3-Geräten Bildformat 16:9 einstellen. Alle Werte des Untermenüs **50HZ GEOM. HOR. II** nach Tabelle (S.1-6) einstellen. Anschließend alle in der Tabelle mit \* markierten Menüpunkte dieses Menüs nach Testbild abgleichen.

Nachfolgend den 60Hz-Geometrie-Abgleich mit den Untermenüs **60HZ GEOM. EHT, 60HZ GEOM. und 60HZ GEOM. HOR. II** analog zum 50Hz-Geometrie-Abgleich durchführen.

### 4. Weißwert-Einstellung

- Weiß-Bild einspeisen.
- **G.DRIVE** im Untermenü **VIDEO ADJ. I** auf **356** einstellen.
- Die Werte von **R.DRIVE** und **B.DRIVE** so einstellen, dass das Bild unbunt ist. Lässt sich der Weißwert nicht korrekt einstellen, **G.DRIVE** etwas verstellen.

### 5. Schwarzwert-Einstellung

- Schwarz-Bild einspeisen.
- **G.CUTOFF** im Untermenü **VIDEO ADJ. I** auf **156** einstellen.
- Die Werte von **R.CUTOFF** und **B.CUTOFF** so einstellen, dass das Bild unbunt ist.
- Lässt sich der Schwarzwert nicht korrekt einstellen, **G.CUTOFF** etwas verstellen.

## Adjustment

**Measuring instruments:** Digital voltmeter, colour video generator.

**Service works after replacement or repair of the following modules:**

- **Power supply:** adjustment 1, 2
- **IC401 (EEPROM):** adjustment 3...5
- **CRT:** adjustment 2...5
- **CRT panel:** adjustment 2, 4, 5
- **Deflection:** adjustment 3

**Call up the Service Menu: Press button "i" -> enter "8500".**  
 Select **Submenus** with buttons P+ / P- and enter with button **OK**.  
 Select **menu items** with buttons P+ / P- and adjust the values with buttons </>. Back to main menu with button "i".  
 End the service menu: Press button "TXT".

### 1. Supply Voltage B+

- Digital voltmeter: D609 cathode.
  - Programme: AV.
  - Brightness control to minimum.
  - Adjust **voltage B+** depending on CRT with **P601** to:
- | CRT           | Voltage |
|---------------|---------|
| A48ECR43X51   | 114V    |
| A51EFS13X191  | 111V    |
| A51EER33X78   | 114V    |
| A51QDX993X030 | 122V    |
| A51QDX993X230 | 122V    |
| A51ERF135X80  | 125V    |
| A51ELD032X001 | 125V    |

### 2. Screen

- Start the Service Mode: press button "i" -> enter "8500".
- Select **BLUEBLACK** in service menu **OPTIONS** with buttons P+ / P- and set to **OFF** with buttons </>. Press button "i" (back to main menu).
- Select **SCREEN ADJ** in service menu **VIDEO ADJ. I** with buttons P+ / P- and set to **the value of table** (p.1-6) with buttons </>. Press button **OK** -> horizontal line appears.
- Adjust **SCREEN** control at TR502 so that the line is just visible.
- End the Service Mode: Press button "TXT".

### 3. Geometry

This adjustment must be done for PAL/SECAM (50Hz) separately as well as NTSC (60Hz). Feed in a PAL geometry test pattern at 50Hz geometry adjustment and a NTSC geometry test pattern at 60Hz geometry adjustment via AV1 socket.

- Set all values of submenu **50HZ GEOM. EHT** according to table (p.1-6).
- Set all values of submenu **50HZ GEOM.** according to table (p.1-6). Afterwards set all in the table with \* marked items of this menu according to test pattern.
- Switch at 16:9 units to picture format 4:3 and at 4:3 units to picture format 16:9. Set all items in the table of submenu **50HZ GEOM. HOR. II** according to table (p.1-6). Afterwards set all in the table with \* marked items of this menu according to test pattern.

Afterwards carry out the 60Hz geometry adjustment of the submenus **60HZ GEOM. EHT, 60HZ GEOM. and 60HZ GEOM. HOR. II** analog to the 50Hz geometry adjustment.

### 4. White Level Adjustment

- Feed in a white pattern.
- Set **G.DRIVE** in submenu **VIDEO ADJ. I** to **356**.
- Adjust **R.DRIVE** and **B.DRIVE** so that the picture becomes achromatic. If white colour can not be setted, change the value of **G.DRIVE**.

### 5. Black Level Adjustment

- Feed in a black pattern.
- Set **G.CUTOFF** in submenu **VIDEO ADJ. I** to **156**.
- Adjust **R.CUTOFF** and **B.CUTOFF** so that the picture becomes achromatic. If black colour can not be setted, change the value of **G.CUTOFF**.

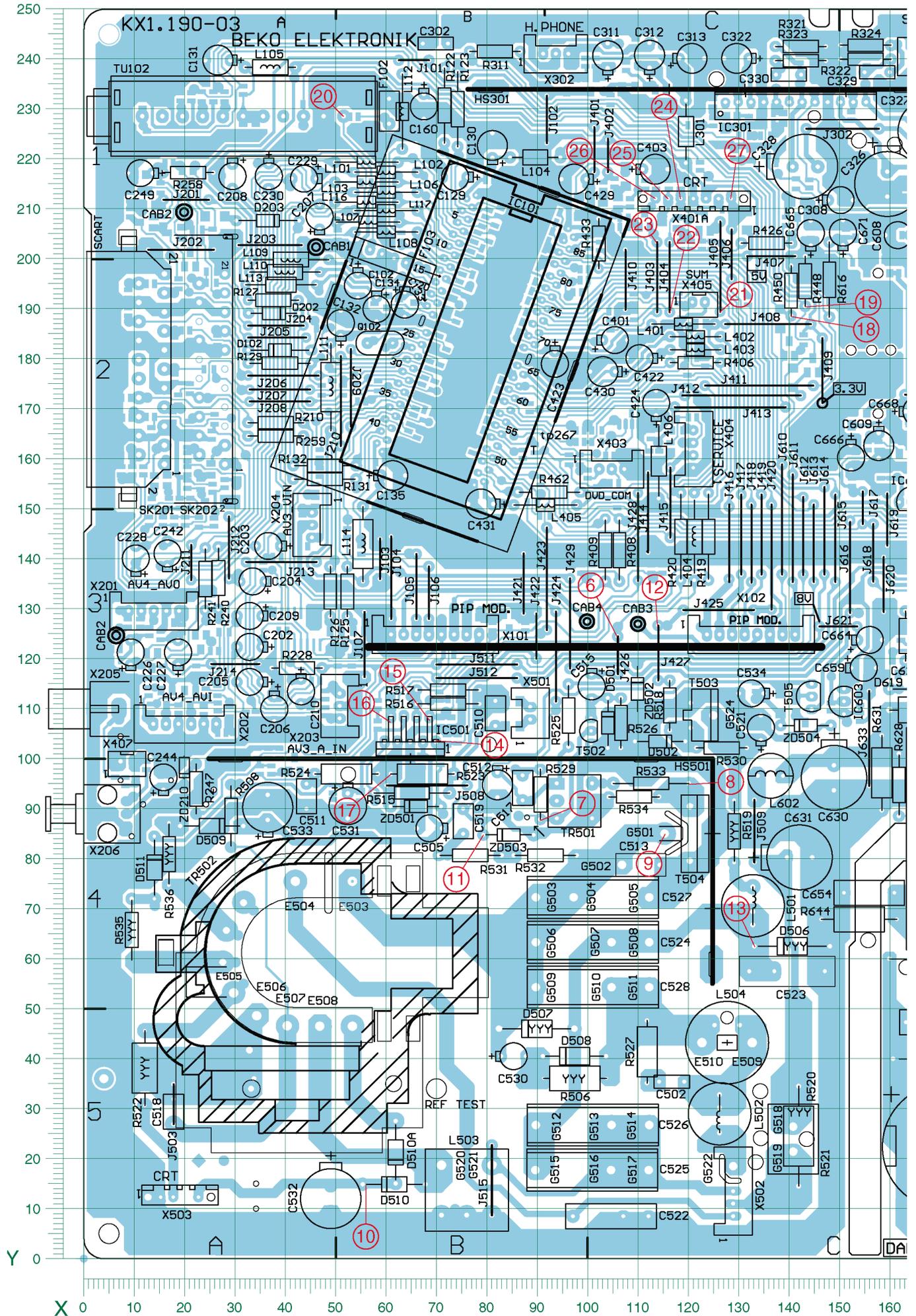
# Platinenabbildungen und Schaltpläne / Layout of the PCBs and Circuit Diagrams

## KX1.190 – Platine / PCB

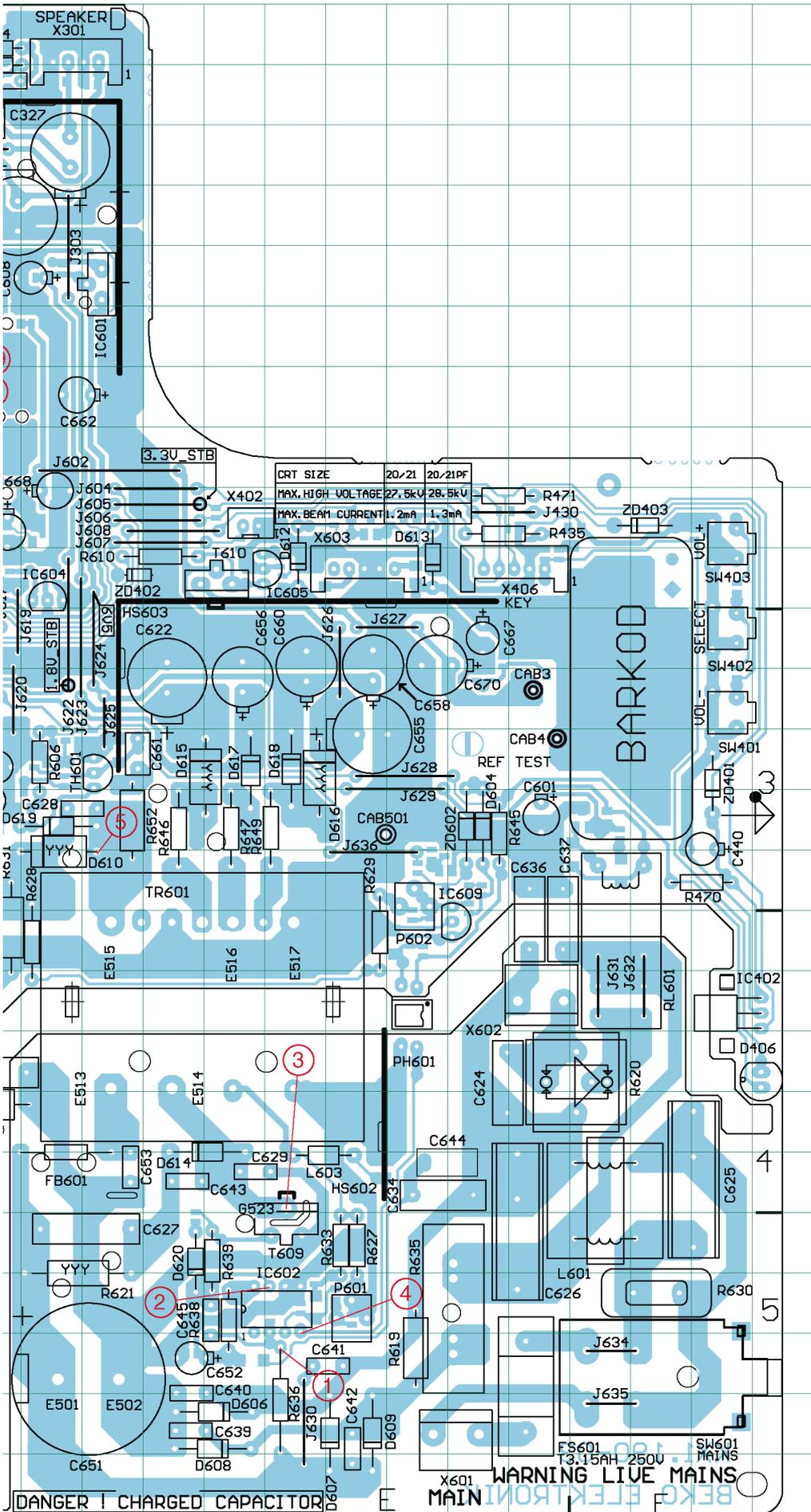
Koordinaten für die Bauteile / Coordinates of the Components

| POS.      | X   | Y   | POS.   | X   | Y   | POS.   | X   | Y   | POS.    | X   | Y   | POS.    | X   | Y   | POS.   | X   | Y   | POS.   | X   | Y   | POS.    | X   | Y   |
|-----------|-----|-----|--------|-----|-----|--------|-----|-----|---------|-----|-----|---------|-----|-----|--------|-----|-----|--------|-----|-----|---------|-----|-----|
| AQUA701 T | 272 | 203 | C236 B | 32  | 109 | C512 T | 82  | 95  | D401 B  | 141 | 176 | L406 T  | 114 | 160 | R301 B | 114 | 240 | R479 B | 118 | 192 | R663 B  | 158 | 200 |
| C102 T    | 54  | 195 | C237 B | 25  | 165 | C513 T | 111 | 79  | D402 B  | 138 | 188 | L501 T  | 133 | 71  | R302 B | 102 | 239 | R481 B | 81  | 172 | R664 B  | 164 | 165 |
| C103 B    | 34  | 226 | C238 B | 21  | 158 | C514 B | 9   | 84  | D403 B  | 108 | 217 | L502 T  | 126 | 29  | R303 B | 125 | 231 | R501 B | 80  | 89  | R665 B  | 169 | 208 |
| C104 B    | 82  | 208 | C239 B | 13  | 166 | C515 T | 101 | 115 | D404 B  | 98  | 211 | L503 T  | 76  | 14  | R304 B | 136 | 227 | R502 B | 35  | 98  | R666 B  | 153 | 199 |
| C105 B    | 81  | 211 | C240 B | 7   | 158 | C516 B | 78  | 89  | D405 B  | 132 | 208 | L504 T  | 133 | 43  | R305 B | 129 | 221 | R503 B | 71  | 113 | R667 B  | 167 | 206 |
| C106 B    | 76  | 198 | C241 B | 28  | 125 | C517 T | 87  | 94  | D406 T  | 282 | 72  | L601 T  | 261 | 58  | R306 B | 152 | 229 | R504 B | 37  | 101 | R668 B  | 239 | 141 |
| C107 B    | 77  | 201 | C242 T | 17  | 141 | C518 T | 18  | 29  | D501 T  | 104 | 107 | L602 T  | 139 | 97  | R307 B | 151 | 234 | R505 T | 98  | 36  | RL601 T | 259 | 95  |
| C108 B    | 78  | 200 | C243 B | 10  | 97  | C519 T | 75  | 85  | D502 T  | 114 | 104 | L603 T  | 210 | 59  | R308 B | 105 | 232 | R506 T | 29  | 89  | SK201 T | 16  | 159 |
| C109 B    | 78  | 197 | C244 T | 16  | 96  | C520 B | 98  | 91  | D503 B  | 61  | 114 | P601 T  | 214 | 36  | R311 T | 82  | 242 | R507 B | 72  | 104 | SK202 T | 28  | 159 |
| C110 B    | 74  | 195 | C246 B | 16  | 118 | C521 T | 134 | 106 | D505 B  | 58  | 101 | P602 T  | 225 | 104 | R312 B | 108 | 239 | R508 B | 71  | 107 | SW401 T | 278 | 135 |
| C111 B    | 81  | 216 | C247 B | 34  | 109 | C522 T | 105 | 9   | D506 T  | 141 | 63  | PH601 T | 224 | 83  | R313 B | 100 | 239 | R509 B | 71  | 107 | SW402 T | 278 | 149 |
| C112 B    | 83  | 211 | C248 B | 42  | 109 | C523 T | 140 | 58  | D507 T  | 90  | 46  | Q102 T  | 59  | 183 | R314 B | 141 | 215 | R510 B | 71  | 100 | SW403 T | 278 | 163 |
| C113 B    | 60  | 197 | C249 T | 11  | 217 | C524 T | 101 | 63  | D508 T  | 97  | 40  | Q102 T  | 59  | 183 | R317 B | 121 | 227 | R511 B | 71  | 100 | SW601 T | 253 | 27  |
| C114 B    | 63  | 191 | C250 B | 11  | 217 | C525 T | 101 | 18  | D509 T  | 25  | 87  | R102 B  | 53  | 120 | R318 B | 131 | 225 | R512 B | 73  | 112 | T102 B  | 55  | 124 |
| C115 B    | 57  | 191 | C251 B | 12  | 158 | C526 T | 101 | 27  | D510 T  | 62  | 15  | R103 B  | 50  | 120 | R319 B | 144 | 215 | R513 B | 49  | 91  | T103 B  | 50  | 124 |
| C116 B    | 70  | 184 | C252 B | 62  | 136 | C527 T | 101 | 72  | D510A T | 62  | 21  | R104 B  | 47  | 186 | R320 B | 137 | 219 | R514 B | 49  | 94  | T201 B  | 21  | 216 |
| C117 B    | 49  | 177 | C253 B | 44  | 143 | C528 T | 101 | 54  | D511 T  | 14  | 78  | R105 B  | 19  | 172 | R321 T | 142 | 243 | R515 T | 65  | 92  | T202 B  | 18  | 205 |
| C118 B    | 51  | 174 | C254 B | 121 | 237 | C530 T | 85  | 40  | D512 B  | 138 | 111 | R106 B  | 25  | 178 | R322 T | 155 | 240 | R516 T | 72  | 111 | T203 B  | 23  | 123 |
| C119 B    | 76  | 193 | C255 B | 10  | 243 | C531 T | 52  | 93  | D601 B  | 251 | 109 | R107 B  | 13  | 195 | R323 T | 142 | 240 | R517 T | 72  | 114 | T204 B  | 14  | 120 |
| C120 B    | 29  | 109 | C304 B | 91  | 238 | C532 T | 49  | 12  | D602 B  | 259 | 107 | R108 B  | 20  | 186 | R324 T | 155 | 243 | R518 T | 116 | 111 | T205 B  | 13  | 213 |
| C121 B    | 47  | 174 | C305 B | 107 | 235 | C533 T | 37  | 90  | D603 B  | 208 | 34  | R109 B  | 23  | 233 | R325 B | 164 | 219 | R519 T | 129 | 86  | T206 B  | 21  | 200 |
| C122 B    | 55  | 172 | C306 B | 110 | 243 | C534 T | 133 | 113 | D604 T  | 236 | 114 | R110 B  | 28  | 233 | R401 B | 89  | 170 | R520 T | 142 | 25  | T207 B  | 12  | 207 |
| C123 B    | 47  | 157 | C307 B | 90  | 243 | C601 T | 245 | 115 | D605 T  | 176 | 127 | R111 B  | 63  | 205 | R402 B | 81  | 130 | R521 T | 141 | 24  | T208 B  | 21  | 112 |
| C124 B    | 52  | 145 | C308 T | 150 | 212 | C602 B | 234 | 103 | D606 T  | 192 | 17  | R114 B  | 27  | 114 | R403 B | 132 | 192 | R522 T | 112 | 41  | T209 B  | 16  | 112 |
| C125 B    | 46  | 154 | C309 B | 125 | 228 | C603 B | 154 | 112 | D607 T  | 211 | 13  | R115 B  | 47  | 161 | R404 B | 103 | 203 | R523 T | 67  | 97  | T301 B  | 134 | 221 |
| C126 B    | 54  | 176 | C310 B | 135 | 225 | C604 B | 158 | 202 | D608 T  | 192 | 11  | R116 B  | 55  | 142 | R405 B | 100 | 201 | R524 T | 52  | 97  | T302 B  | 96  | 235 |
| C127 B    | 58  | 175 | C311 T | 104 | 241 | C605 B | 164 | 163 | D609 T  | 218 | 14  | R119 B  | 12  | 231 | R406 T | 121 | 179 | R525 T | 96  | 109 | T303 B  | 115 | 233 |
| C128 B    | 59  | 159 | C312 T | 112 | 241 | C606 B | 163 | 208 | D610 T  | 166 | 110 | R120 B  | 19  | 233 | R407 B | 121 | 180 | R526 T | 107 | 107 | T304 B  | 96  | 235 |
| C129 T    | 74  | 216 | C313 T | 121 | 240 | C607 B | 235 | 139 | D611 B  | 198 | 26  | R121 B  | 122 | 219 | R408 T | 106 | 142 | R527 T | 112 | 41  | T305 B  | 111 | 233 |
| C130 T    | 81  | 223 | C315 B | 121 | 235 | C608 T | 162 | 205 | D612 T  | 206 | 159 | R122 T  | 72  | 231 | R409 T | 104 | 142 | R528 T | 91  | 93  | T306 B  | 115 | 233 |
| C131 T    | 27  | 240 | C316 B | 129 | 229 | C609 T | 158 | 163 | D613 T  | 228 | 159 | R123 T  | 74  | 230 | R410 B | 102 | 164 | R529 T | 112 | 41  | T307 B  | 101 | 235 |
| C132 T    | 51  | 187 | C317 B | 139 | 228 | C610 B | 162 | 205 | D614 T  | 191 | 60  | R124 B  | 32  | 234 | R411 B | 102 | 166 | R530 T | 127 | 102 | T401 B  | 105 | 211 |
| C133 T    | 64  | 191 | C318 B | 132 | 228 | C611 B | 162 | 205 | D615 T  | 190 | 122 | R125 T  | 52  | 133 | R412 B | 121 | 168 | R531 T | 77  | 81  | T402 B  | 142 | 210 |
| C134 T    | 58  | 190 | C319 B | 136 | 229 | C612 B | 154 | 116 | D616 T  | 209 | 122 | R126 T  | 49  | 133 | R413 B | 118 | 166 | R532 T | 92  | 81  | T403 B  | 84  | 128 |
| C135 T    | 61  | 157 | C320 B | 167 | 237 | C613 B | 166 | 155 | D616A T | 211 | 119 | R127 T  | 38  | 192 | R414 B | 114 | 215 | R533 T | 109 | 92  | T404 B  | 145 | 179 |
| C136 B    | 79  | 208 | C321 B | 172 | 237 | C614 B | 158 | 157 | D617 T  | 198 | 123 | R128 B  | 25  | 195 | R415 B | 116 | 215 | R534 T | 109 | 92  | T405 B  | 140 | 182 |
| C137 B    | 81  | 205 | C322 T | 130 | 240 | C615 B | 164 | 167 | D618 T  | 204 | 124 | R129 T  | 39  | 179 | R416 B | 119 | 215 | R535 B | 37  | 98  | T406 B  | 251 | 162 |
| C138 B    | 78  | 204 | C323 B | 142 | 240 | C616 B | 163 | 197 | D619 T  | 166 | 114 | R130 B  | 46  | 152 | R417 B | 248 | 159 | R536 T | 58  | 107 | T407 B  | 123 | 207 |
| C139 B    | 74  | 187 | C324 B | 155 | 240 | C617 B | 157 | 152 | D620 T  | 189 | 42  | R131 T  | 48  | 156 | R418 B | 85  | 186 | R537 B | 133 | 114 | T408 B  | 116 | 207 |
| C140 B    | 69  | 181 | C325 B | 149 | 229 | C618 B | 173 | 198 | D621 B  | 222 | 56  | R132 T  | 48  | 159 | R419 T | 124 | 145 | R538 B | 141 | 115 | T409 B  | 111 | 208 |
| C141 B    | 70  | 177 | C326 T | 160 | 215 | C619 B | 233 | 137 | F102 T  | 61  | 230 | R201 B  | 17  | 219 | R420 T | 119 | 145 | R539 T | 141 | 115 | T410 B  | 122 | 186 |
| C142 B    | 68  | 177 | C327 T | 168 | 226 | C620 B | 144 | 205 | F103 T  | 57  | 202 | R202 B  | 15  | 214 | R421 B | 108 | 211 | R540 B | 58  | 111 | T501 B  | 42  | 99  |
| C143 B    | 80  | 202 | C328 T | 143 | 219 | C621 B | 153 | 160 | FB102 B | 66  | 192 | R203 B  | 26  | 205 | R422 B | 139 | 208 | R541 B | 162 | 125 | T502 T  | 101 | 106 |
| C144 B    | 64  | 165 | C329 T | 158 | 237 | C622 T | 184 | 139 | FB103 B | 60  | 192 | R204 B  | 9   | 213 | R423 B | 150 | 215 | R542 B | 167 | 129 | T503 T  | 125 | 109 |
| C145 B    | 68  | 170 | C330 T | 140 | 237 | C623 B | 167 | 122 | FB201 B | 27  | 105 | R205 B  | 20  | 212 | R424 B | 77  | 128 | R543 B | 158 | 163 | T504 T  | 118 | 85  |
| C146 B    | 66  | 171 | C401 T | 105 | 184 | C624 T | 240 | 72  | FB401 B | 105 | 155 | R206 B  | 16  | 208 | R425 B | 103 | 215 | R544 B | 151 | 205 | T505 T  | 145 | 113 |
| C147 B    | 66  | 164 | C402 B | 91  | 181 | C625 T | 270 | 56  | FB402 B | 100 | 157 | R207 B  | 23  | 206 | R426 T | 136 | 203 | R545 B | 224 | 95  | T506 B  | 143 | 106 |
| C148 B    | 65  | 168 | C403 T | 113 | 218 | C626 T | 242 | 49  | FB501 B | 85  | 112 | R208 B  | 6   | 122 | R427 B | 99  | 198 | R546 B | 163 | 125 | T601 B  | 230 | 105 |
| C149 B    | 67  | 167 | C404 B | 99  | 206 | C627 T | 171 | 47  | FB502 B | 85  | 107 | R209 B  | 9   | 209 | R428 B | 88  | 127 | R547 B | 237 | 109 | T602 B  | 161 | 118 |
| C150 B    | 67  | 174 | C405 B | 94  | 210 | C628 T | 170 | 117 | FB601 T | 167 | 60  | R210 T  | 38  | 167 | R429 B | 72  | 121 | R548 B | 169 | 122 | T603 B  | 165 | 126 |
| C151 B    | 69  | 173 | C406 B | 91  | 202 | C629 T | 199 | 57  | FB602 B | 210 | 152 | R211 B  | 40  | 153 | R430 B | 101 | 138 | R549 B | 183 | 159 | T604 B  | 161 | 163 |
| C152 B    | 21  | 233 | C407 B | 92  | 206 | C630 T | 149 | 96  | FB603 B | 225 | 156 | R212 B  | 6   | 97  | R431 B | 113 | 138 | R550 B | 170 | 129 | T605 B  | 154 | 203 |
| C153 B    | 26  | 233 | C408 B | 77  | 161 | C631 T | 142 | 80  | FS601 T | 243 | 29  | R213 B  | 23  | 204 | R432 B | 99  | 196 | R551 B | 172 | 129 | T606 B  | 252 | 115 |
| C154 B    | 72  | 183 | C409 B | 115 | 138 | C632 B | 206 | 34  | IC101 T | 78  | 184 | R214 B  | 9   | 127 | R433 T | 102 | 203 | R552 B | 163 | 156 | T607 B  | 217 | 164 |
| C155 B    | 71  | 180 | C410 B | 99  | 138 | C633 B | 201 | 33  | IC201 B | 42  | 126 | R215 B  | 25  | 198 | R434 B | 128 | 210 | R553 B | 163 | 156 | T608 B  | 224 | 164 |
| C156 B    | 32  | 226 | C411 B | 82  | 176 | C634 T | 229 | 53  | IC301 T | 141 | 231 | R216 B  | 27  | 184 | R435 T | 239 | 162 | R554 B | 152 | 165 | T609 T  | 204 | 50  |
| C157 B    | 44  | 231 | C412 B | 81  | 174 | C635 B | 224 | 75  | IC401 B | 108 | 164 | R217 B  | 9   | 190 | R436 B | 93  | 208 | R555 B | 148 | 196 | T610 T  | 192 | 155 |
| C158 B    | 13  | 225 | C413 B | 88  | 194 | C636 T | 244 | 99  | IC402 T | 282 | 81  | R218 B  | 19  | 195 | R437 B | 91  | 204 | R556 B | 148 | 196 | TH601 T | 172 | 123 |
| C159 B    | 54  | 229 | C414 B | 87  | 192 | C637 T | 249 | 99  | IC501 T | 65  | 103 | R219 B  | 18  | 169 | R438 B | 90  | 199 | R557 B | 148 | 196 | TR501 T | 97  | 92  |
| C160 T    | 68  | 231 | C415 B | 87  | 190 | C638 B | 208 | 39  | IC601 T | 172 | 204 | R220 B  | 18  | 176 | R439 B | 105 | 190 | R558 B | 148 | 1   |         |     |     |

Ansicht von der Bestückungsseite / View of Component Side



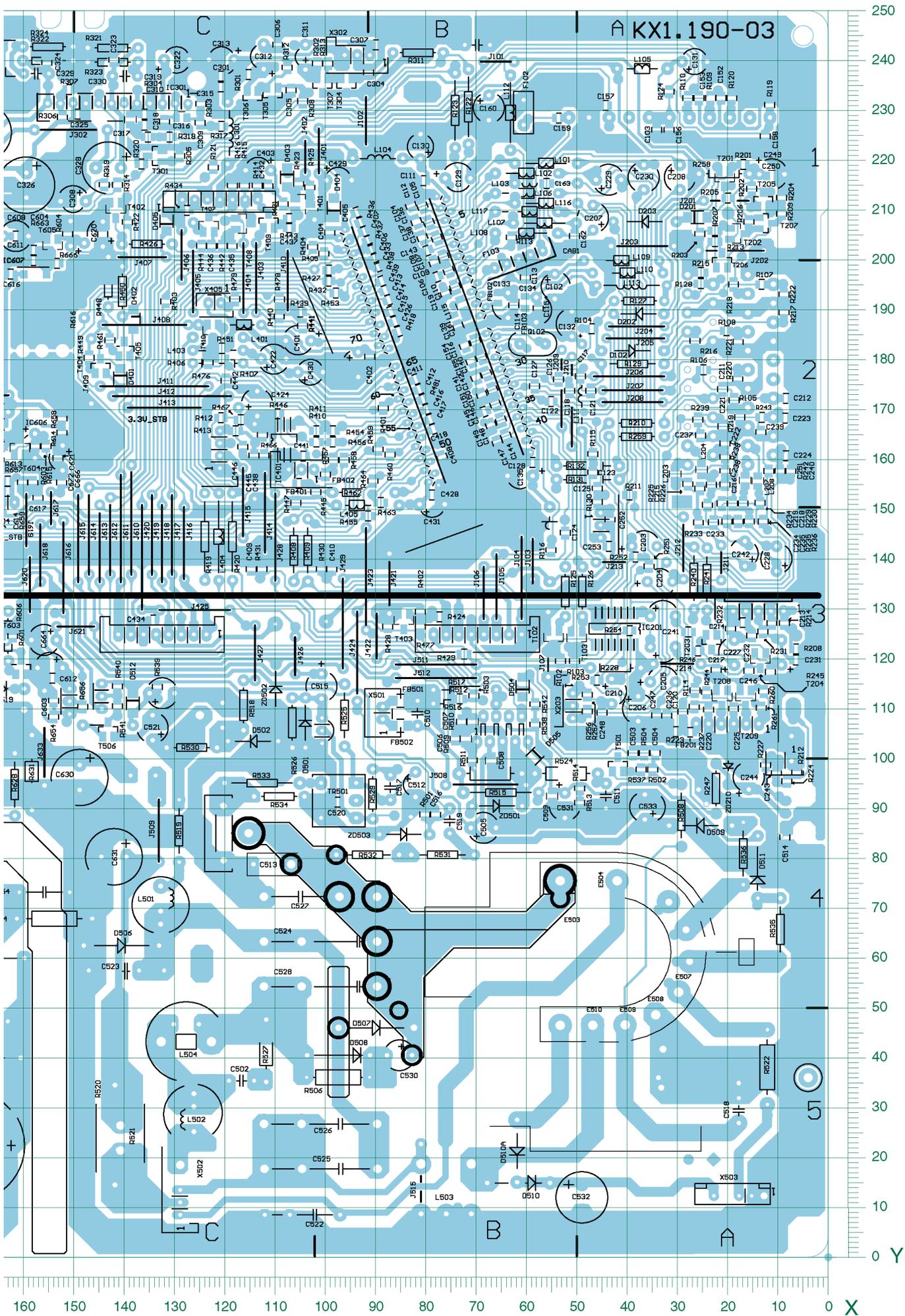
Ansicht von der Bestückungsseite / View of Component Side



160 170 180 190 200 210 220 230 240 250 260 270 280 290



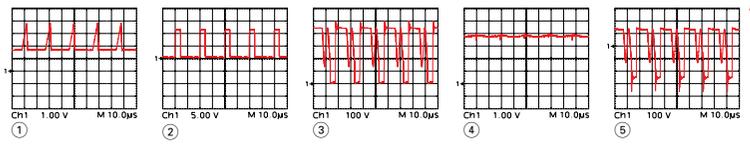
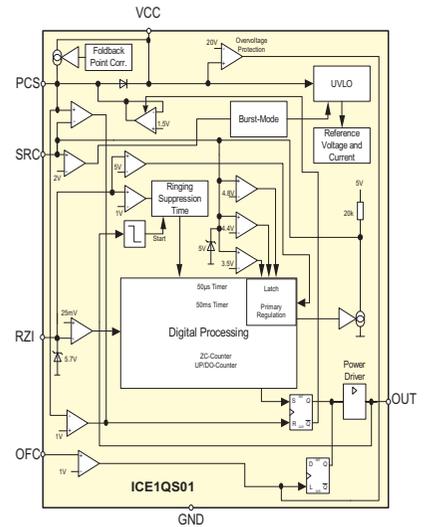
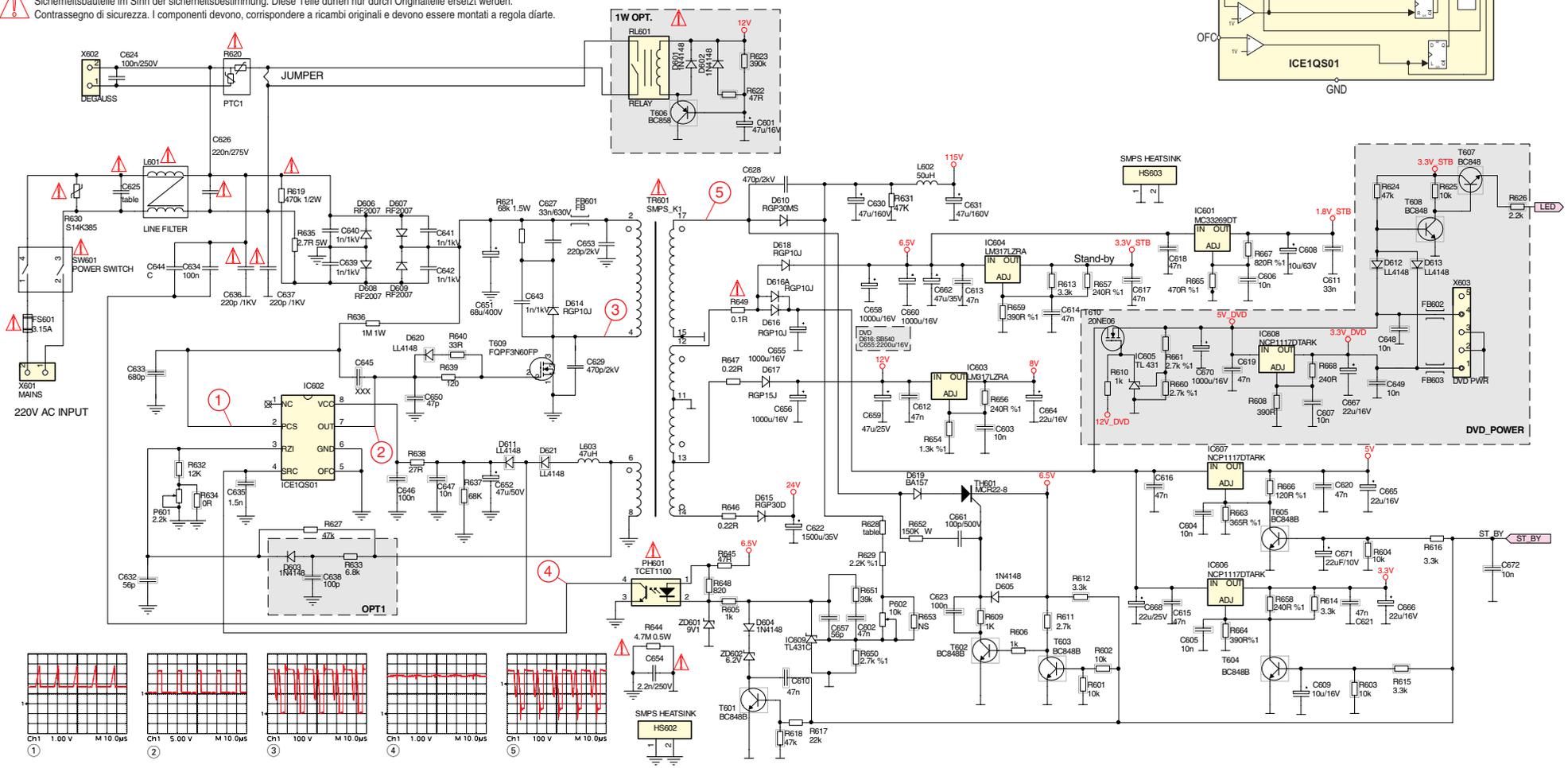
Ansicht von der Lötseite / View of Solder Side



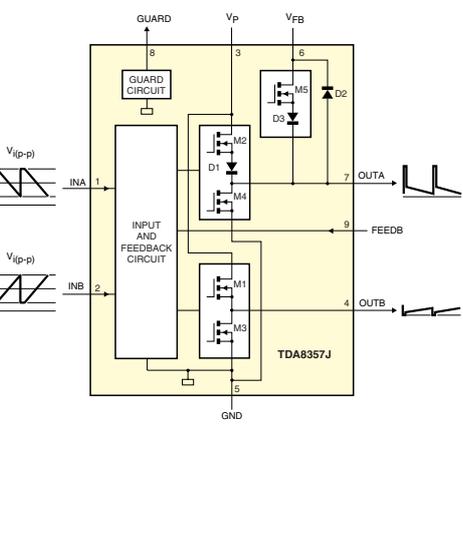
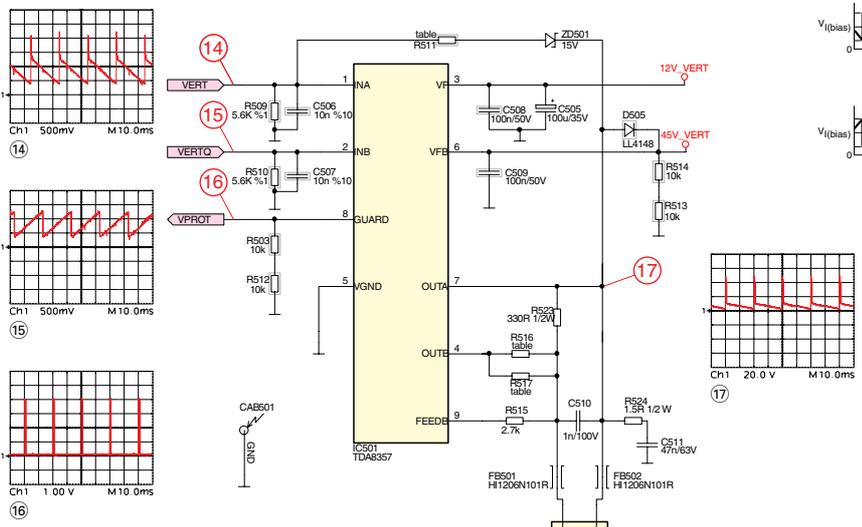
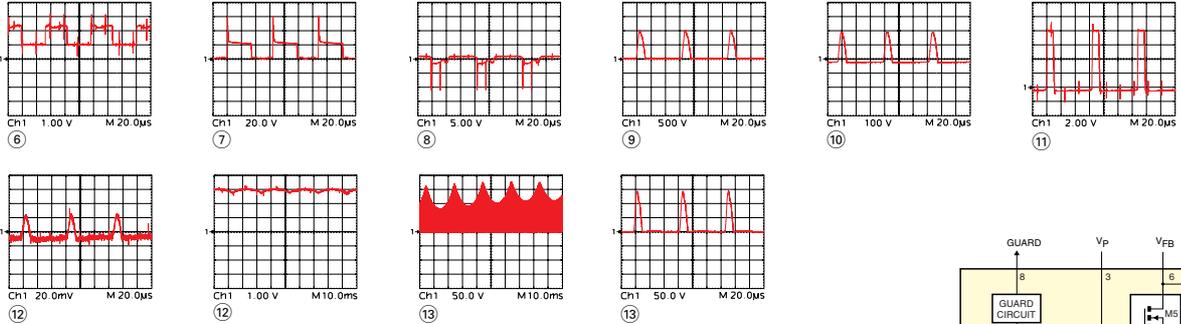
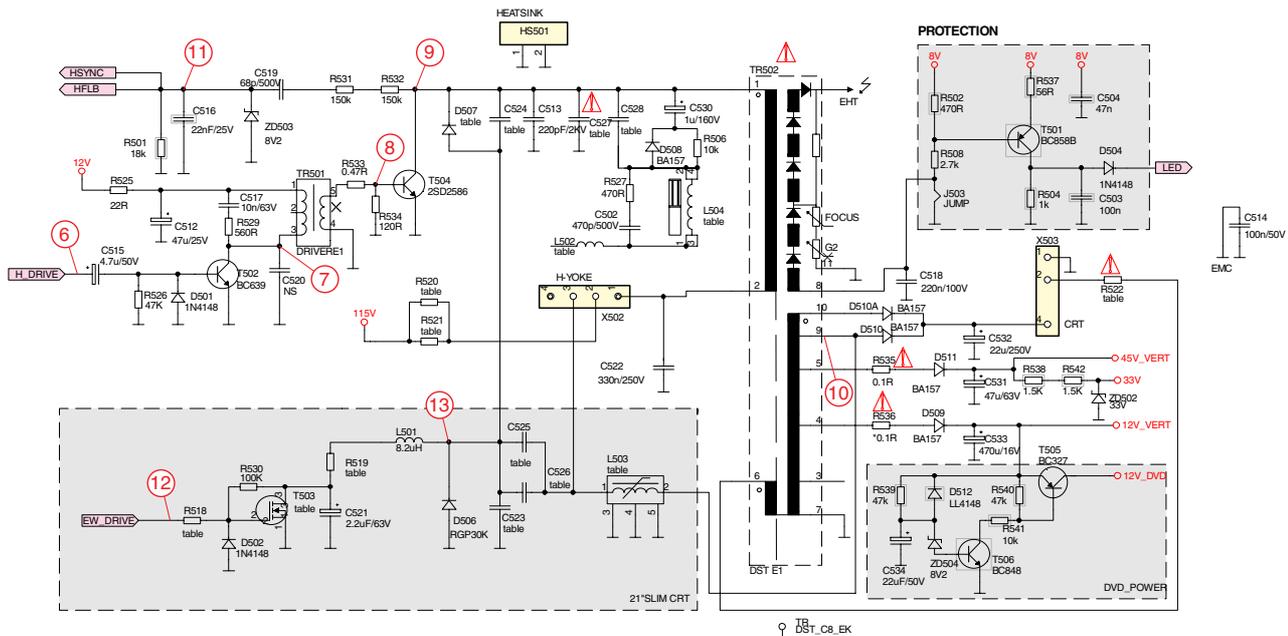
# KX1.190 – Netzteil / Power Supply

Components designated by the safety symbol should only be replaced by original parts produced and proofed by the manufacturer.  
 Sicherheitsbauteile im Sinn der sicherheitsbestimmung. Diese Teile dürfen nur durch Originalteile ersetzt werden.  
 Contrassegno di sicurezza. I componenti devono, corrispondere a ricambi originali e devono essere montati a regola d'arte.

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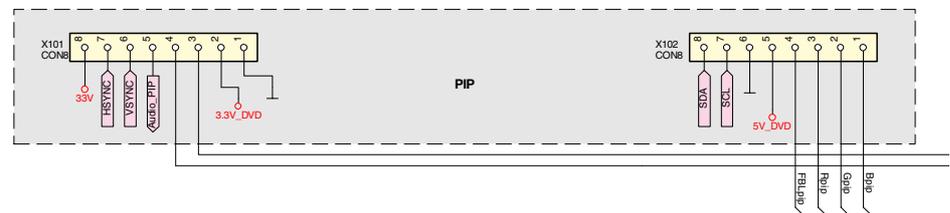
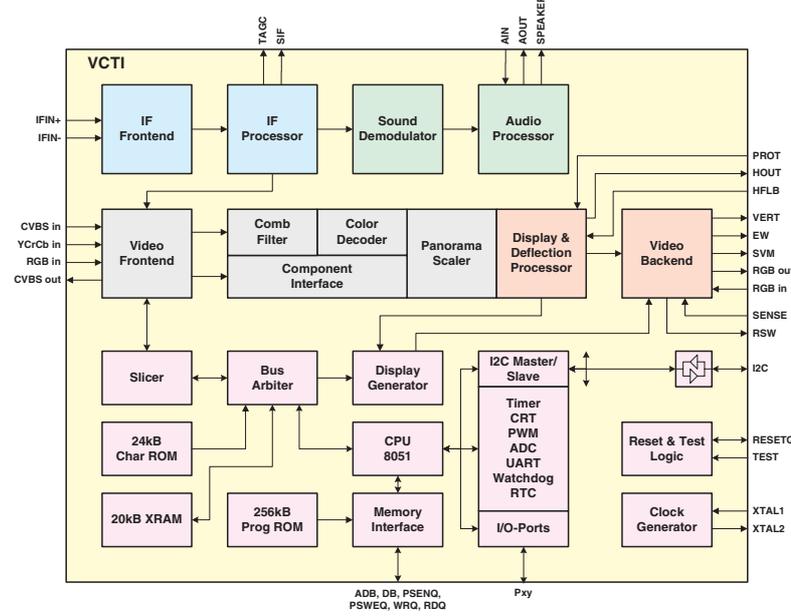
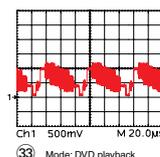
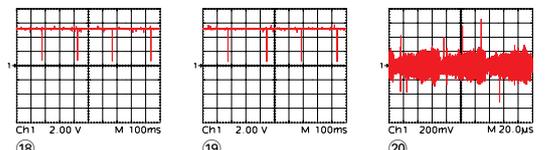
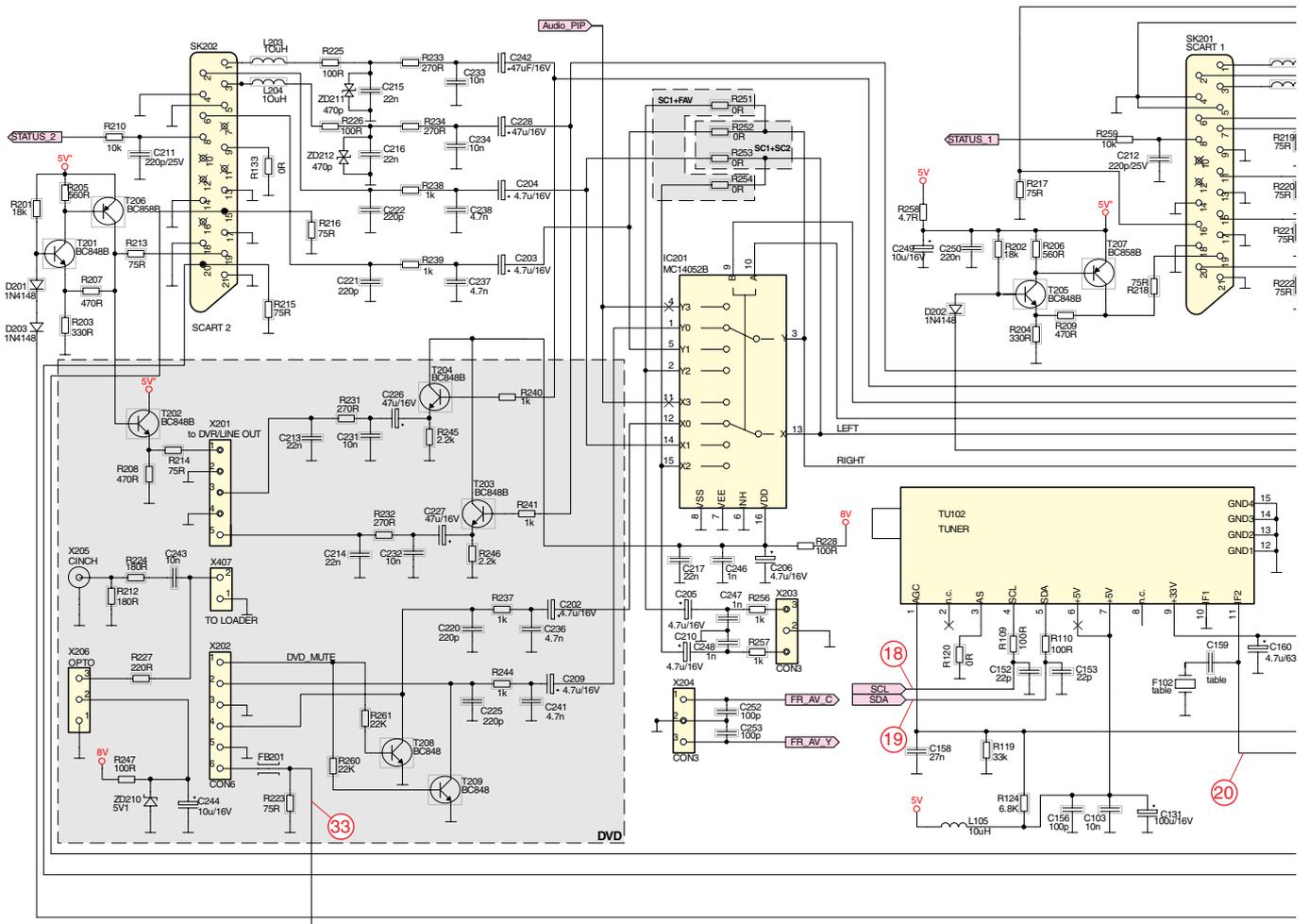
# KX1.190 – Ablenkung / Deflection



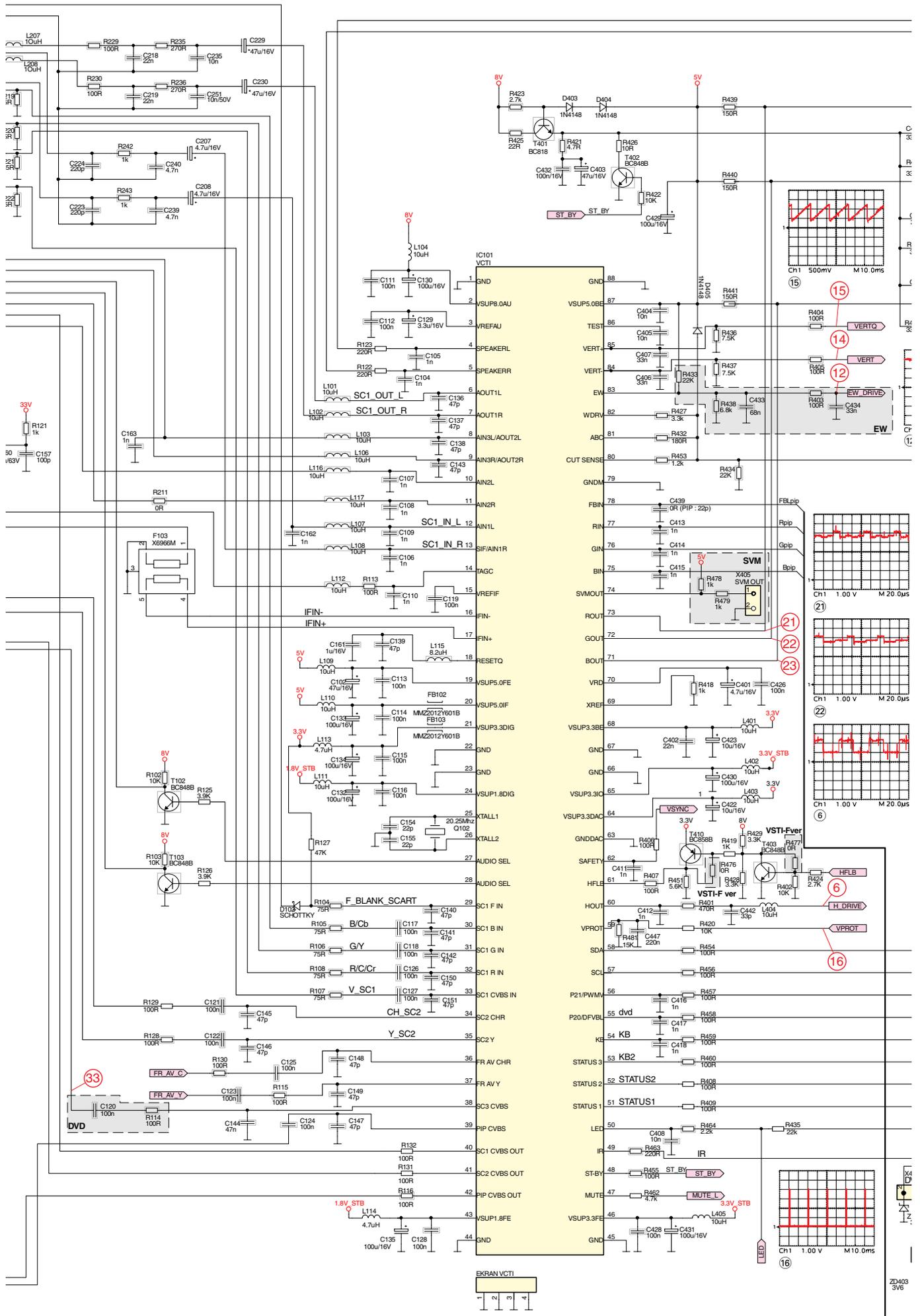
## KX1.190 – Variantenliste / Variant List

| Bildröhre/CRT                   | +B   | C406 | C407 | C513  | C527  | C528  | L504  | L603  | R522  | R517 | R522 | R523 | R629 | TR502      | TR502      | TR601      |
|---------------------------------|------|------|------|-------|-------|-------|-------|-------|-------|------|------|------|------|------------|------------|------------|
| SS A48ECR43X51 (MACAR)          | 114V |      |      | 470PF | 9.1NF | 360NF | 55UH  | 47UH  | 0.22R |      |      | 330R | 2.2K | 040146-EL1 | 040146-TR2 | 050150R-E1 |
| GS A51ERF135X80 PF (WW)         | 125V | 15NF | 15NF | 220PF | 8.2NF | 270NF | 70UH  | 47UH  | 1.2R  |      |      | 390R | 15K  | 040150R-E1 | 040150R-T1 | 050150R-E1 |
| SS A51QDX993X030 P.FLAT (MACAR) | 122V |      |      |       | 7.8NF | 270NF | 100UH | 4.7UH | 0.22R |      |      | 330R | 10K  | 040150R-E1 | 040150R-T1 | 050150R-E1 |
| SS A51QDX993X230 P.FLAT (MACAR) | 122V |      |      |       | 7.8NF | 270NF | 100UH | 4.7UH | 0.22R |      |      | 330R | 10K  | 040150R-E1 | 040150R-T1 | 050150R-E1 |
| A51EER33X78(LGM)                | 114V |      |      | 220PF | 7.8NF | 390NF | 55UH  | 1UH   | 0.47R |      |      | 330R | 2.2K | 040146-EL1 | 040146-TR2 | 050150R-E1 |
| A51EER33X78(LGM)                | 115V |      |      | 150PF | 10NF  | 390NF | 55UH  | 47UH  | 1R    |      |      | 330R | 2.2K | DST80013   | 050150R-E1 |            |
| VC A51ELD032X001 P.FLAT (DY)    | 125V |      |      | 220PF | 7.5NF | 220NF | 120UH | 22UH  | 3.3R  | 3.3R | 1.2R | 330R | 15K  | 040146-EL1 | 040146-TR2 | 050150R-E1 |
| VC A51EFS13X191                 | 111V |      |      |       | 8.2NF | 470NF | 55UH  | 1UH   | 0.22R |      |      | 330R | 1.8K | 040146-EL1 | 040146-TR2 | 050150R-E1 |

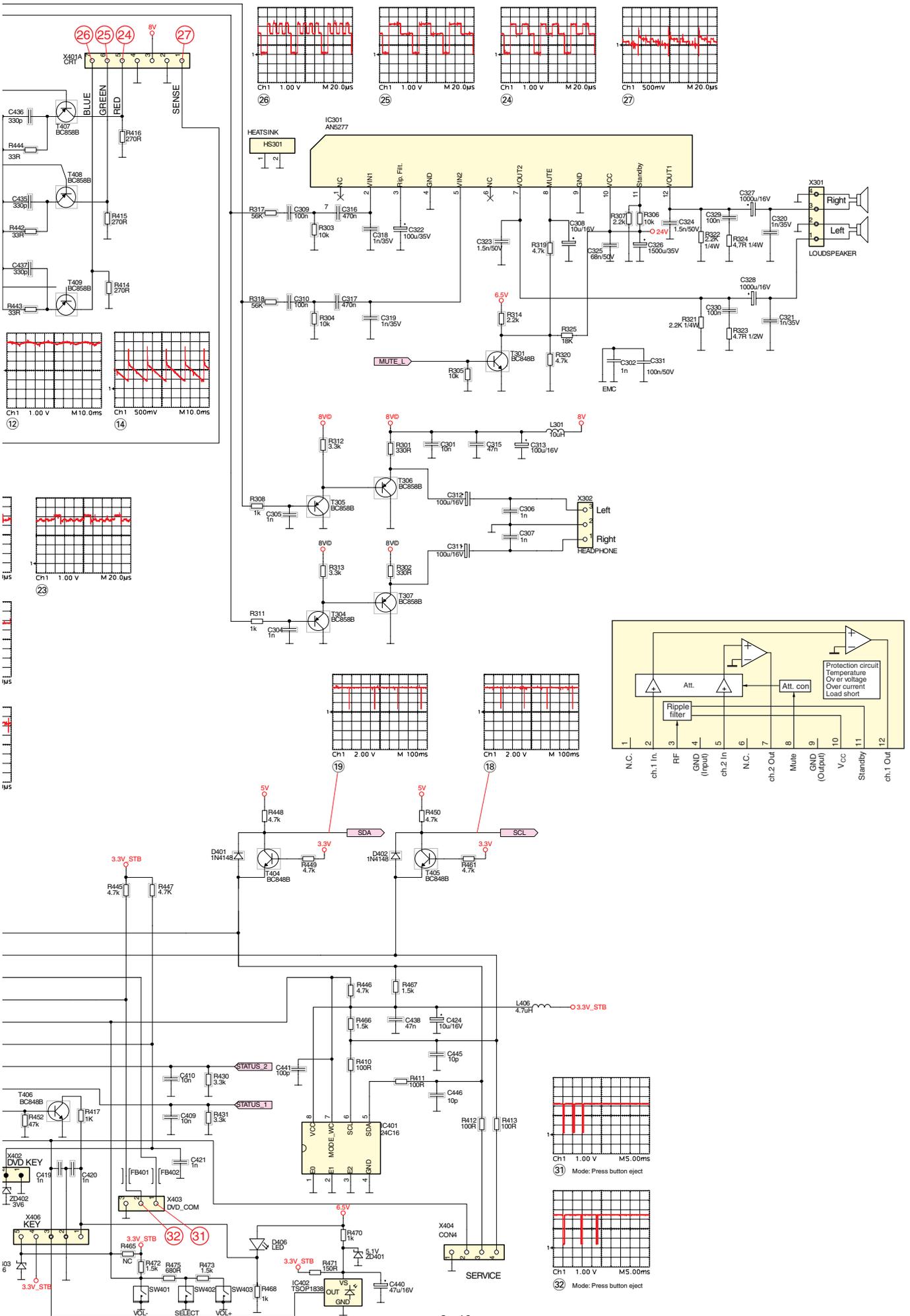
# KX1.190 – Hauptteil / Main Part



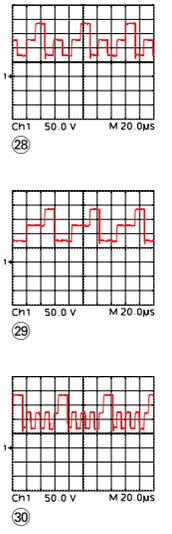
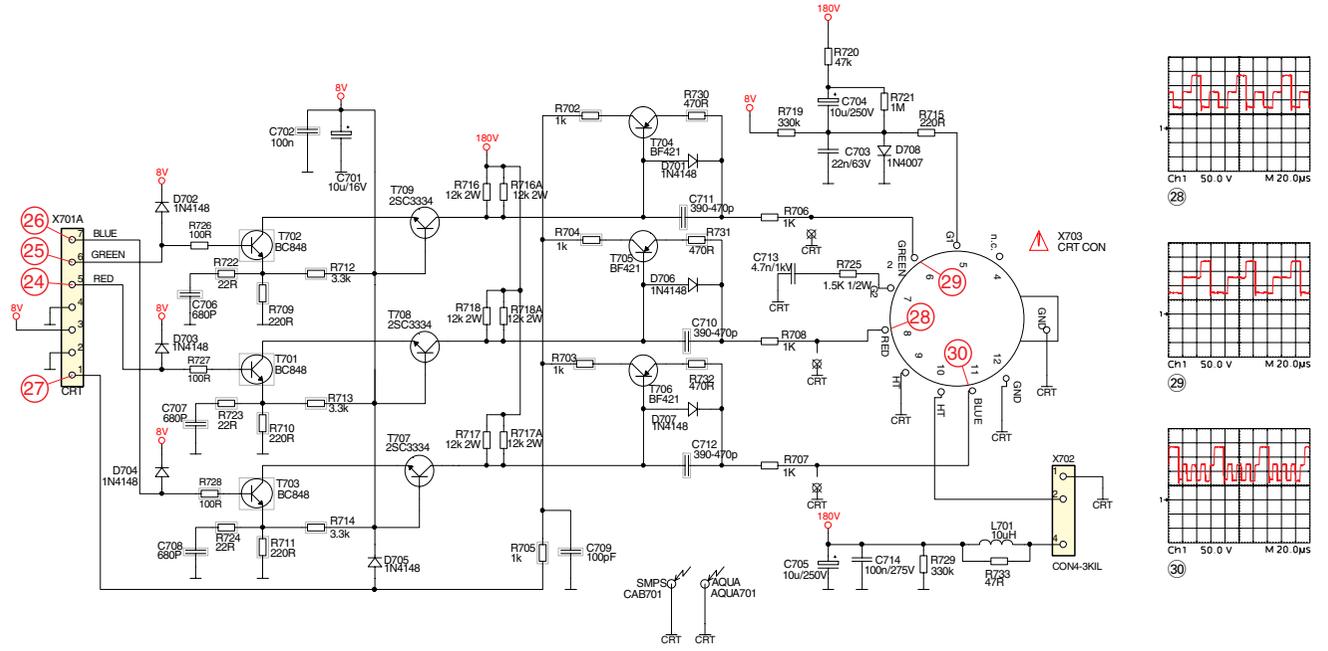
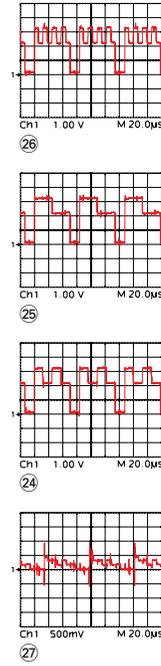
KX1.190 – Hauptteil / Main Part



KX1.190 – Hauptteil / Main Part

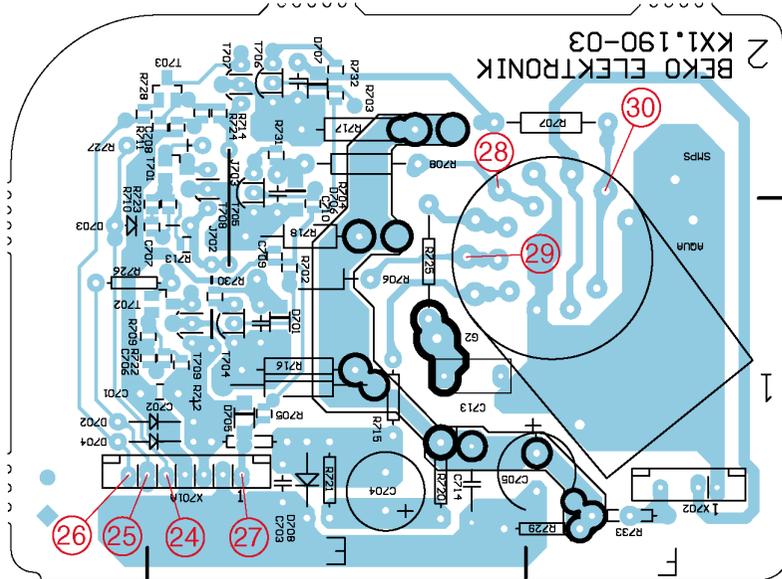


# KX1.190 - Bildrohrplatte / CRT Board

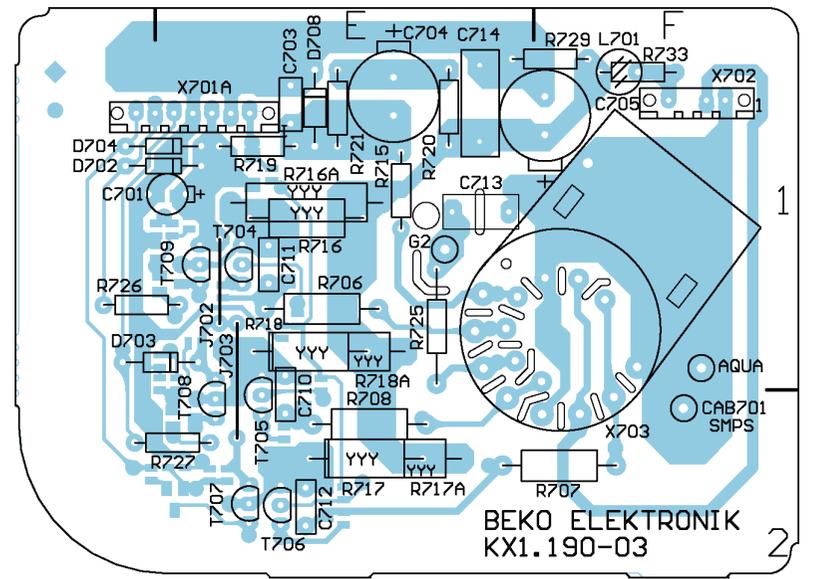


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Sicht auf Lötseite / View on solder side



Sicht auf Bestückungsseite / View on Component Side





Ersatzteilliste  
Spare Parts List

9 / 2005

## ELEGANCE 21 FLAT TVD 55-2502 FR/TOP

MATERIAL-NR. / PART NO.: 720126019200  
BESTELL-NR. / ORDER NO.: GBD4400

| POS. NR.<br>POS. NO. | ABB.<br>FIG. | MATERIAL-NR.<br>PART NUMBER | ANZ.<br>QTY. | BEZEICHNUNG<br>(D)                                                                                             | DESCRIPTION<br>(GB)                                                                                                    |
|----------------------|--------------|-----------------------------|--------------|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
|                      |              | 720126019200                |              | ELEGANCE 21 FLAT TVD 55-2502 FR/TOP<br>KEIN E-TEIL                                                             | ELEGANCE 21 FLAT TVD 55-2502 FR/TOP<br>NO SPARE PART                                                                   |
| 0001.000             |              | 759551057700                |              | FRONTRAHMEN                                                                                                    | FRONT FRAME                                                                                                            |
| 0002.000             |              | 759551177300                |              | RUECKWAND SILBER                                                                                               | BACK COVER SILVER                                                                                                      |
| 0003.000             |              | 759550947700                |              | GRUNDIG LOGO                                                                                                   | GRUNDIG LOGO                                                                                                           |
| 0004.000             |              | 759550976000                |              | BUCHSENABDECKUNG                                                                                               | COVER JACK                                                                                                             |
| 0005.000             |              | 759551057300                |              | IR LINSE                                                                                                       | IR LENS                                                                                                                |
| 0010.000             |              | 759551164600                |              | LAUTSPRECHER 7/10 W / 8 OHM                                                                                    | LOUDSPEAKER 7/10 W / 8 OHM                                                                                             |
| 0011.000             |              | 759551156300                |              | ABDECKUNG SCHUBLADE SILBER                                                                                     | COVER DRAWER SILVER                                                                                                    |
| 0012.000             | △            | 759551155300                |              | DVD LAUFWERK MIT MPEG-MODUL                                                                                    | DVD COMBOLOADER + MPEG BOARD                                                                                           |
| 0013.000             | △            | 759550456500                |              | SPULE ENTMAGNETISIERUNG 21"                                                                                    | COIL DEGAUSSING 21"                                                                                                    |
| 0014.000             | △            | 759550450200                |              | NETZKABEL M.DR.2,3M                                                                                            | POWER CABLE                                                                                                            |
| 0015.000             | △            | 759550978300                |              | NETZSCHALTER ESZ92D21B                                                                                         | POWER SWITCH ESZ92D21B                                                                                                 |
| 0017.000             |              | 759551057500                |              | FEDER KNOPF                                                                                                    | SPRING KNOB                                                                                                            |
| 0018.000             |              | 759551057000                |              | NETZTASTENKNOPF                                                                                                | KNOB POWER                                                                                                             |
| 0019.000             |              | 759551057100                |              | KNOPF PROG. / LAUTST. DVD                                                                                      | KNOB PRG/VOLUME DVD                                                                                                    |
| 0020.000             |              |                             |              | BILDROEHRE<br><b>HINWEIS!</b><br>IM DEFEKTFALL DER BILDROEHRE<br>NEHMEN SIE KONTAKT MIT UNSERER<br>HOTLINE AUF | PICTURE TUBE<br><b>NOTE!</b><br>IN THE EVENT OF A DEFECTIVE PICTURE<br>TUBE PLEASE CONTACT YOUR SERVICE<br>HOTLINE AUF |
| 0021.000             |              | 759551159300                |              | FERNBEDIENUNG TP 165C                                                                                          | REMOTE CONTROL TP 165C                                                                                                 |
| 0025.000             | △            | 275990148800                | X            | LP-CHASSISMODUL K5<br>KEIN E-TEIL                                                                              | CHASSISBOARD K5<br>NO SPARE PART                                                                                       |
| 0050.000             |              | 275990027900                |              | LP-BEDIENMODUL                                                                                                 | CONTROLBOARD                                                                                                           |
| 0060.000             |              | 275990028600                |              | LP-BEDIENMODUL DVD                                                                                             | CONTROLBOARD DVD                                                                                                       |
| 0070.000             |              | 275990147700                |              | LP-SVHS/KLK MODUL                                                                                              | SVHS/KLK BOARD                                                                                                         |
|                      |              | 720117173000                |              | BEDIENUNGSANLEITUNG F                                                                                          | INSTRUCTION MANUAL F                                                                                                   |
|                      |              | 720100501000                |              | SERVICE MANUAL D/GB                                                                                            | SERVICE MANUAL D/GB                                                                                                    |
|                      |              | 720108000001                |              | SICHERHEITSMANUAL D/GB/E/F/I                                                                                   | SAFETY SERVICE MANUAL D/GB/E/F/I                                                                                       |

X = SIEHE GESONDERTE E-LISTE

X = SEE SEPARATE PARTS LIST

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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

Ersatzteilliste  
Spare Parts List

8 / 2005

## ELEGANCE 21 FLAT TVD 55-2502/5 TOP

MATERIAL-NR. / PART NO.: 720126018300  
BESTELL-NR. / ORDER NO.: GBD4600

| POS. NR.<br>POS. NO. | ABB.<br>FIG. | MATERIAL-NR.<br>PART NUMBER | ANZ.<br>QTY. | BEZEICHNUNG<br>(D)                                                                                             | DESCRIPTION<br>(GB)                                                                                                    |
|----------------------|--------------|-----------------------------|--------------|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
|                      |              | 720126018300                |              | ELEGANCE 21 FLAT TVD 55-2502/5 TOP<br>KEIN E-TEIL                                                              | ELEGANCE 21 FLAT TVD 55-2502/5 TOP<br>NO SPARE PART                                                                    |
| 0001.000             |              | 759551177500                |              | GEH.-VORDERTEIL SILBER                                                                                         | FRONT CABINET SILVER                                                                                                   |
| 0002.000             |              | 759551177300                |              | RUECKWAND SILBER                                                                                               | BACK COVER SILVER                                                                                                      |
| 0003.000             |              | 759550947700                |              | GRUNDIG LOGO                                                                                                   | GRUNDIG LOGO                                                                                                           |
| 0004.000             |              | 759550976000                |              | BUCHSENABDECKUNG                                                                                               | COVER JACK                                                                                                             |
| 0010.000             |              | 759551164600                |              | LAUTSPRECHER 7/10 W / 8 OHM                                                                                    | LOUDSPEAKER 7/10 W / 8 OHM                                                                                             |
| 0011.000             |              | 759551156300                |              | ABDECKUNG SCHUBLADE SILBER                                                                                     | COVER DRAWER SILVER                                                                                                    |
| 0012.000             |              | 759551177400                |              | DVD-LAUFWERK                                                                                                   | DVD-LOADER                                                                                                             |
| 0013.000             | △            | 759550456500                |              | SPULE ENTMAGNETISIERUNG 21"                                                                                    | COIL DEGAUSSING 21"                                                                                                    |
| 0014.000             | △            | 759550450200                |              | NETZKABEL M.DR.2,3M                                                                                            | POWER CABLE                                                                                                            |
| 0015.000             | △            | 759550978300                |              | NETZSCHALTER ESZ92D21B                                                                                         | POWER SWITCH ESZ92D21B                                                                                                 |
| 0017.000             |              | 759551057500                |              | FEDER KNOPF                                                                                                    | SPRING KNOB                                                                                                            |
| 0019.000             |              | 759551057100                |              | KNOPF PROG. / LAUTST. DVD                                                                                      | KNOB PRG/VOLUME DVD                                                                                                    |
| 0020.000             |              |                             |              | BILDROEHRE<br><b>HINWEIS!</b><br>IM DEFEKTFALL DER BILDROEHRE<br>NEHMEN SIE KONTAKT MIT UNSERER<br>HOTLINE AUF | PICTURE TUBE<br><b>NOTE!</b><br>IN THE EVENT OF A DEFECTIVE PICTURE<br>TUBE PLEASE CONTACT YOUR SERVICE<br>HOTLINE AUF |
| 0021.000             |              | 759551159300                |              | FERNBEDIENUNG TP 165 C                                                                                         | REMOTE CONTROL TP 165 C                                                                                                |
| 0025.000             | △            | 275990147800                | X            | LP-CHASSISMODUL K5<br>KEIN E-TEIL                                                                              | CHASSISBOARD K5<br>NO SPARE PART                                                                                       |
| 0050.000             |              | 275990027900                |              | LP-BEDIENMODUL                                                                                                 | CONTROLBOARD                                                                                                           |
| 0060.000             |              | 275990028600                |              | LP-BEDIENMODUL DVD                                                                                             | CONTROLBOARD DVD                                                                                                       |
| 0070.000             |              | 275990147700                |              | LP-SVHS/KLK MODUL                                                                                              | SVHS/KLK BOARD                                                                                                         |
| 0100.000             |              | 720117172500                |              | BEDIENUNGSANLEITUNG D/NL/E/P/I                                                                                 | INSTRUCTION MANUAL D/NL/E/P/I                                                                                          |
| 0101.000             |              | 720117172600                |              | BEDIENUNGSANLEITUNG DK/S/N/FIN/GB                                                                              | INSTRUCTION MANUAL DK/S/N/FIN/GB                                                                                       |
| 0105.000             |              | 720100501000                |              | SERVICE MANUAL D/GB                                                                                            | SERVICE MANUAL D/GB                                                                                                    |

X = SIEHE GESONDERTE E-LISTE

X = SEE SEPARATE PARTS LIST

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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

Ersatzteilliste  
Spare Parts List

8 / 2005

ELEGANCE 21 FLAT TVD 55-2503/7 TOP

MATERIAL-NR. / PART NO.: 720126018500  
BESTELL-NR. / ORDER NO.: GBD8300

| POS. NR.<br>POS. NO. | ABB.<br>FIG. | MATERIAL-NR.<br>PART NUMBER | ANZ.<br>QTY. | BEZEICHNUNG<br>(D)                                                                                             | DESCRIPTION<br>(GB)                                                                                                    |
|----------------------|--------------|-----------------------------|--------------|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
|                      |              | 720126018500                |              | ELEGANCE 21 FLAT TVD 55-2503/7 TOP<br>KEIN E-TEIL                                                              | ELEGANCE 21 FLAT TVD 55-2503/7 TOP<br>NO SPARE PART                                                                    |
| 0001.000             |              | 759551178100                |              | GEH.-VORDERTEIL SILBER                                                                                         | FRONT CABINET SILVER                                                                                                   |
| 0002.000             |              | 759551177300                |              | RUECKWAND SILBER                                                                                               | BACK COVER SILVER                                                                                                      |
| 0003.000             |              | 759550947700                |              | GRUNDIG LOGO                                                                                                   | GRUNDIG LOGO                                                                                                           |
| 0005.000             |              | 759551057300                |              | IR LINSE                                                                                                       | IR LENS                                                                                                                |
| 0006.000             |              | 759550976000                |              | BUCHSENABDECKUNG                                                                                               | COVER JACK                                                                                                             |
| 0010.000             |              | 759551164600                |              | LAUTSPRECHER 7/10 W / 8 OHM                                                                                    | LOUDSPEAKER 7/10 W / 8 OHM                                                                                             |
| 0011.000             |              | 759551156300                |              | ABDECKUNG SCHUBLADE SILBER                                                                                     | COVER DRAWER SILVER                                                                                                    |
| 0012.000             | △            | 759551177400                |              | DVD-LAUFWERK                                                                                                   | DVD-LOADER                                                                                                             |
| 0013.000             | △            | 759550456500                |              | SPULE ENTMAGNETISIERUNG 21"                                                                                    | COIL DEGAUSSING 21"                                                                                                    |
| 0014.000             | △            | 759550450200                |              | NETZKABEL M.DR.2,3M                                                                                            | POWER CABLE                                                                                                            |
| 0015.000             | △            | 759550978300                |              | NETZSCHALTER ESZ92D21B                                                                                         | POWER SWITCH ESZ92D21B                                                                                                 |
| 0016.000             |              | 759551057400                |              | KNOPF PROG. / LAUTST. TV                                                                                       | KNOB PRG./VOLUME TV                                                                                                    |
| 0018.000             |              | 759551057000                |              | NETZTASTENKNOPF                                                                                                | KNOB POWER                                                                                                             |
| 0019.000             |              | 759551057100                |              | KNOPF PROG. / LAUTST. DVD                                                                                      | KNOB PRG./VOLUME DVD                                                                                                   |
| 0020.000             |              |                             |              | BILDROEHRE<br><b>HINWEIS!</b><br>IM DEFEKTFALL DER BILDROEHRE<br>NEHMEN SIE KONTAKT MIT UNSERER<br>HOTLINE AUF | PICTURE TUBE<br><b>NOTE!</b><br>IN THE EVENT OF A DEFECTIVE PICTURE<br>TUBE PLEASE CONTACT YOUR SERVICE<br>HOTLINE AUF |
| 0021.000             |              | 759551159300                |              | FERNEDIENUNG TP 165C                                                                                           | REMOTE CONTROL TP 165C                                                                                                 |
| 0025.000             | △            | 275990148000                | X            | LP-CHASSISMODUL K5<br>KEIN E-TEIL                                                                              | CHASSISBOARD K5<br>NO SPARE PART                                                                                       |
| 0050.000             |              | 275990027900                |              | LP-BEDIENMODUL                                                                                                 | CONTROLBOARD                                                                                                           |
| 0060.000             |              | 275990028600                |              | LP-BEDIENMODUL DVD                                                                                             | CONTROLBOARD DVD                                                                                                       |
| 0070.000             |              | 275990147700                |              | LP-SVHS/KLK MODUL                                                                                              | SVHS/KLK BOARD                                                                                                         |
|                      |              | 720117175500                |              | BEDIENUNGSANLEITUNG GB/PL/HR                                                                                   | INSTRUCTION MANUAL GB/PL/HR                                                                                            |
|                      |              | 720100512000                |              | SERVICE MANUAL D/GB                                                                                            | SERVICE MANUAL D/GB                                                                                                    |
|                      |              | 720100512100                |              | SERVICE MANUAL D/GB 1. ERGAENZUNG                                                                              | SERVICE MANUAL D/GB 1. SUPPLEMENT                                                                                      |

X = SIEHE GESONDERTE E-LISTE

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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

Ersatzteilliste  
Spare Parts List

8 / 2005

K 21 PFC - 2503 FR/TOP

MATERIAL-NR. / PART NO.: 720126018200  
BESTELL-NR. / ORDER NO.: GBD6200

| POS. NR.<br>POS. NO. | ABB.<br>FIG. | MATERIAL-NR.<br>PART NUMBER | ANZ.<br>QTY. | BEZEICHNUNG<br>(D)                                                                                             | DESCRIPTION<br>(GB)                                                                                                    |
|----------------------|--------------|-----------------------------|--------------|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
|                      |              | 720126018200                |              | K 21 PFC - 2503 FR/TOP<br>KEIN E-TEIL                                                                          | K 21 PFC - 2503 FR/TOP<br>NO SPARE PART                                                                                |
| 0001.000             |              | 759551177200                |              | GEH.-VORDERTEIL SILBER                                                                                         | FRONT CABINET SILVER                                                                                                   |
| 0002.000             |              | 759551177300                |              | RUECKWAND SILBER                                                                                               | BACK COVER SILVER                                                                                                      |
| 0003.000             |              | 759550947700                |              | GRUNDIG LOGO                                                                                                   | GRUNDIG LOGO                                                                                                           |
| 0004.000             |              | 759550976000                |              | BUCHSENABDECKUNG                                                                                               | COVER JACK                                                                                                             |
| 0010.000             |              | 759551164600                |              | LAUTSPRECHER                                                                                                   | LOUDSPEAKER                                                                                                            |
| 0011.000             |              | 759551156300                |              | ABDECKUNG DVD-SCHUBLADE                                                                                        | COVER DVD-TRAY                                                                                                         |
| 0012.000             | △            | 759551177400                |              | DVD-LAUFWERK                                                                                                   | DVD-LOADER                                                                                                             |
| 0013.000             | △            | 759550456500                |              | SPULE ENTMAGNETISIERUNG 21"                                                                                    | COIL DEGAUSSING 21"                                                                                                    |
| 0014.000             | △            | 759550450200                |              | NETZKABEL M.DR.2,3M                                                                                            | POWER CABLE                                                                                                            |
| 0015.000             | △            | 759550978300                |              | NETZSCHALTER ESZ92D21B                                                                                         | POWER SWITCH ESZ92D21B                                                                                                 |
| 0017.000             |              | 759551057500                |              | FEDER KNOPF                                                                                                    | SPRING KNOB                                                                                                            |
| 0018.000             |              | 759551057000                |              | NETZTASTENKNOPF                                                                                                | KNOB POWER                                                                                                             |
| 0019.000             |              | 759551057100                |              | KNOPF PROG. / LAUTST. DVD                                                                                      | KNOB PRG./VOLUME DVD                                                                                                   |
| 0020.000             |              |                             |              | BILDROEHRE<br><b>HINWEIS!</b><br>IM DEFEKTFALL DER BILDROEHRE<br>NEHMEN SIE KONTAKT MIT UNSERER<br>HOTLINE AUF | PICTURE TUBE<br><b>NOTE!</b><br>IN THE EVENT OF A DEFECTIVE PICTURE<br>TUBE PLEASE CONTACT YOUR SERVICE<br>HOTLINE AUF |
| 0021.000             |              | 759551159300                |              | FERNEDIENUNG TP 165C                                                                                           | REMOTE CONTROL TP 165C                                                                                                 |
| 0025.000             | △            | 275990147600                | X            | LP-CHASSISMODUL K5<br>KEIN E-TEIL                                                                              | CHASSISBOARD K5<br>NO SPARE PART                                                                                       |
| 0050.000             |              | 275990027900                |              | LP-BEDIENMODUL                                                                                                 | CONTROLBOARD                                                                                                           |
| 0060.000             |              | 275990028600                |              | LP-BEDIENMODUL DVD                                                                                             | CONTROLBOARD DVD                                                                                                       |
| 0070.000             |              | 275990147700                |              | LP-SVHS/KLK MODUL                                                                                              | SVHS/KLK BOARD                                                                                                         |
|                      |              | 720117190000                |              | BEDIENUNGSANLEITUNG F/NL                                                                                       | INSTRUCTION MANUAL F/NL                                                                                                |
|                      |              | 720100501000                |              | SERVICE MANUAL D/GB                                                                                            | SERVICE MANUAL D/GB                                                                                                    |
|                      |              | 720108000001                |              | SICHERHEITSMANUAL D/GB/E/F/I                                                                                   | SAFETY SERVICE MANUAL D/GB/E/F/I                                                                                       |

X = SIEHE GESONDERTE E-LISTE

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ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

Ersatzteilliste  
Spare Parts List

8 / 2005

LP-CHASSISMODUL K5  
CHASSISBOARD K5

MATERIAL-NR. / PART NO.: 275990147600

| POS. NR.<br>POS. NO. | ABB.<br>FIG. | MATERIAL-NR.<br>PART NUMBER | ANZ.<br>QTY. | BEZEICHNUNG<br>D                  | DESCRIPTION<br>GB                |
|----------------------|--------------|-----------------------------|--------------|-----------------------------------|----------------------------------|
|                      |              | 275990147600                |              | LP-CHASSISMODUL K5<br>KEIN E-TEIL | CHASSISBOARD K5<br>NO SPARE PART |

| POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION  | POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION  |
|----------------------|-----------------------------|-----------------------------|----------------------|-----------------------------|-----------------------------|
| C 249                | 759550949200                | ELKO 10 UF/16V              | D 613                | 833021514800                | MELF DIODE 1N4148           |
| C 308                | 759550949200                | ELKO 10 UF/16V              | D 614                | 830956550700                | DIODE RGP10J/1N4937 MOT/GP  |
| C 422                | 759550949200                | ELKO 10 UF/16V              | D 615                | 759550543400                | DIODE RGP30D                |
| C 423                | 759550949200                | ELKO 10 UF/16V              | D 616                | 759551154500                | DIODE SB540                 |
| C 424                | 759550949200                | ELKO 10 UF/16V              | D 617                | 830956550700                | DIODE RGP10J/1N4937 MOT/GP  |
| C 527                | △ 759551124400              | KONDENS. 7.8 NF 1.5 KV      | D 618                | 830956550700                | DIODE RGP10J/1N4937 MOT/GP  |
| C 528                | 759551088400                | KONDENS. 270NF J 250V R:1   | D 619                | 759902002100                | DIODE BA 157                |
| C 624                | 759550949500                | KONDENS 100NF/250 V         | D 620                | 833021514800                | MELF DIODE 1N4148           |
| C 625                | △ 759551164100              | KONDENS. 330 NF 275 VAC     | D 621                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  |
| C 626                | 759550949300                | KONDENS. 220 NF/275 V AC    | D 701                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  |
| C 627                | 853151068700                | MKT 15 0,033UF 20% 630V     | D 702                | 833021514800                | MELF DIODE 1N4148           |
| C 630                | 759550988000                | ELKO 47 UF/160 V            | D 703                | 833021514800                | MELF DIODE 1N4148           |
| C 631                | 759550988000                | ELKO 47 UF/160 V            | D 704                | 833021514800                | MELF DIODE 1N4148           |
| C 634                | 759550949500                | KONDENS 100NF/250 V         | D 705                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  |
| C 636                | △ 759550965300              | KONDENS 220PF M 250VAC R:10 | D 706                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  |
| C 637                | △ 759550965300              | KONDENS 220PF M 250VAC R:10 | D 707                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  |
| C 644                | 759550949500                | KONDENS 100NF/250 V         | D 708                | 830921512700                | DIODE 1 N 4007 -GA          |
| C 654                | △ 759880450800              | KONDENS. 2.2NF 20% 250V     | F 103                | 831900696700                | OFWFLX X6966M100 SIE        |
| C 701                | 759550949200                | ELKO 10 UF/16V              | FS 601               | △ 759550922200              | SICHERUNG 3.15AT            |
| C 714                | 759550949500                | KONDENS 100NF/250 V         | FS 601               | △ 7595509218700             | SICHERUNG SCHALTER          |
| D 102                | 759880755100                | DIODE 1N5819                | IC 101               | 720086707500                | SW/IC VD-FLASH F1           |
| D 201                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  | IC 201               | 759551078800                | IC MC 14052BD               |
| D 202                | 833021514800                | MELF DIODE 1N4148           | IC 301               | 759550506300                | IC AN5277                   |
| D 401                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  | IC 401               | 759550519300                | IC CHIP AT24C16AN 10SI TAPE |
| D 402                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  | IC 501               | 759551112300                | IC TDA 8357 J               |
| D 403                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  | IC 601               | 759551123300                | IC MC33269T G 0.8A LD       |
| D 404                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  | IC 602               | 759551163300                | IC ICE1QS01                 |
| D 405                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  | IC 603               | 759551099500                | IC LM 317 LZRA 0.1A TO92    |
| D 501                | 833021514800                | MELF DIODE 1N4148           | IC 604               | 759551099500                | IC LM 317 LZRA 0.1A TO92    |
| D 504                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  | IC 606               | 759551060700                | IC NCP1117DTARK (DPAK)      |
| D 505                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  | IC 607               | 759551060700                | IC NCP1117DTARK (DPAK)      |
| D 508                | 759902002100                | DIODE BA 157                | IC 608               | 759551060700                | IC NCP1117DTARK (DPAK)      |
| D 509                | 759902002100                | DIODE BA 157                | IC 609               | 830544043100                | IC TL431CLPRP MOT AV330 ER- |
| D 510                | 759902002100                | DIODE BA 157                | L 101                | 759551095600                | SPULE 10 UH LAN02 280MA/1R  |
| D 511                | 759902002100                | DIODE BA 157                | L 102                | 759551095600                | SPULE 10 UH LAN02 280MA/1R  |
| D 512                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  | L 103                | 759813083500                | DR 0207 10UH 5% AX          |
| D 604                | 833021514800                | MELF DIODE 1N4148           | L 104                | 759862006100                | DR 0309 10UH 4-253T-15020   |
| D 605                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  | L 105                | 759862006100                | DR 0309 10UH 4-253T-15020   |
| D 606                | 725511823600                | DIODE RF2007 IO             | L 106                | 759813083500                | DR 0207 10UH 5% AX          |
| D 607                | 725511823600                | DIODE RF2007 IO             | L 107                | 759551095600                | SPULE 10 UH LAN02 280MA/1R  |
| D 608                | 725511823600                | DIODE RF2007 IO             | L 108                | 759551095600                | SPULE 10 UH LAN02 280MA/1R  |
| D 609                | 725511823600                | DIODE RF2007 IO             | L 109                | 759862006100                | DR 0309 10UH 4-253T-15020   |
| D 610                | 759550455400                | DIODE RGP30MS               |                      |                             |                             |
| D 611                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  |                      |                             |                             |
| D 612                | 833021514800                | MELF DIODE 1N4148           |                      |                             |                             |

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

| POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION  | POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION  |
|----------------------|-----------------------------|-----------------------------|----------------------|-----------------------------|-----------------------------|
| L 110                | 759862006100                | DR 0309 10UH 4-253T-15020   | T 307                | 830100385800                | SMD TRANS BC858B/ BC857B P  |
| L 111                | 814052636100                | DR 0411 10UH 5% AV619 -AMMO | T 401                | 759551113800                | TRANS BC818-215             |
| L 112                | 759551095600                | SPULE 10 UH LAN02 280MA/1R  | T 403                | 830100484800                | SMD TRANS BC848B/ BC847B P  |
| L 113                | 759550924000                | SPULE 4.7UH                 | T 404                | 830100484800                | SMD TRANS BC848B/ BC847B P  |
| L 114                | 759550971400                | SPULE 4.7UH LAL04 52MM      | T 405                | 830100484800                | SMD TRANS BC848B/ BC847B P  |
| L 115                | 759875214900                | CHIP SPULE 8.2UH            | T 406                | 830100484800                | SMD TRANS BC848B/ BC847B P  |
| L 116                | 759813083500                | DR 0207 10UH 5% AX          | T 407                | 830100385800                | SMD TRANS BC858B/ BC857B P  |
| L 117                | 759813083500                | DR 0207 10UH 5% AX          | T 408                | 830100385800                | SMD TRANS BC858B/ BC857B P  |
| L 203                | 759550975200                | SPULE 10 UH                 | T 409                | 830100385800                | SMD TRANS BC858B/ BC857B P  |
| L 204                | 759550975200                | SPULE 10 UH                 | T 410                | 830100385800                | SMD TRANS BC858B/ BC857B P  |
| L 207                | 759550975200                | SPULE 10 UH                 | T 501                | 830100385800                | SMD TRANS BC858B/ BC857B P  |
| L 208                | 759550975200                | SPULE 10 UH                 | T 502                | 759551077600                | TRANS TRN BC639             |
| L 301                | 759862006100                | DR 0309 10UH 4-253T-15020   | T 504                | 759551112500                | TRANS 2 SD 2586             |
| L 401                | 759551095600                | SPULE 10 UH LAN02 280MA/1R  | T 505                | 830327332700                | TRANS BC327-25              |
| L 402                | 759551095600                | SPULE 10 UH LAN02 280MA/1R  | T 506                | 830100484800                | SMD TRANS BC848B/ BC847B P  |
| L 403                | 759551095600                | SPULE 10 UH LAN02 280MA/1R  | T 601                | 830100484800                | SMD TRANS BC848B/ BC847B P  |
| L 404                | 759862006100                | DR 0309 10UH 4-253T-15020   | T 602                | 830100484800                | SMD TRANS BC848B/ BC847B P  |
| L 405                | 759551095600                | SPULE 10 UH LAN02 280MA/1R  | T 603                | 830100484800                | SMD TRANS BC848B/ BC847B P  |
| L 406                | 759550924000                | SPULE 4.7UH                 | T 607                | 830100484800                | SMD TRANS BC848B/ BC847B P  |
| L 504                | 759551056800                | SPULE H-LIN 100UH           | T 608                | 830100484800                | SMD TRANS BC848B/ BC847B P  |
| L 601                | △ 759550947200              | FILTER 18 MH                | T 609                | 759551113100                | TRANS 2SK3567               |
| L 602                | 759550451800                | SPULE 50UH                  | T 610                | 759551154200                | TRN STP2ONE06LFP            |
| L 603                | 759550924000                | SPULE 4.7UH                 | T 701                | 830100484800                | SMD TRANS BC848B/ BC847B P  |
| L 701                | 759550451500                | SPULE 10UH R0814            | T 702                | 830100484800                | SMD TRANS BC848B/ BC847B P  |
|                      |                             |                             | T 703                | 830100484800                | SMD TRANS BC848B/ BC847B P  |
| P 602                | 759550927600                | ESTR 10K                    | T 704                | 759551013200                | TRANS BF 421                |
|                      |                             |                             | T 705                | 759551013200                | TRANS BF 421                |
| PH 601               | △ 759550922100              | OPTOKOPPLER SFH617          | T 706                | 759551013200                | TRANS BF 421                |
|                      |                             |                             | T 707                | 759551153300                | TRANS.2SC3619               |
| Q 102                | 759550971800                | QUARZ 20.25MHZ 20PPM (10647 | T 708                | 759551153300                | TRANS.2SC3619               |
|                      |                             |                             | T 709                | 759551153300                | TRANS.2SC3619               |
| R 319                | 759550987600                | WIDERST. 4.7 K 1/16W        | TH 601               | 759550944900                | THYRISTOR MCR 22-8          |
| R 320                | 759550987600                | WIDERST. 4.7 K 1/16W        | TR 501               | 759551077200                | TRAF0                       |
| R 445                | 759550987600                | WIDERST. 4.7 K 1/16W        | TR 502               | △ 759551163000              | TRAF0 FBT21PF EL/1152.7014  |
| R 449                | 759550987600                | WIDERST. 4.7 K 1/16W        | TR 601               | △ 759551153400              | TRAF0 SMT 20/21 EL/2084.013 |
| R 461                | 759550987600                | WIDERST. 4.7 K 1/16W        |                      |                             |                             |
| R 481                | 759550987600                | WIDERST. 4.7 K 1/16W        |                      |                             |                             |
| R 508                | 759551099900                | WIDERST. 2.7K OHM 1/4W      | TU 102               | 759550980400                | TUNER PS ENV57DA5G3R        |
| R 515                | 759551099900                | WIDERST. 2.7K OHM 1/4W      | X 301                | 759550999100                | STECKERLEISTE 4 POL.        |
| R 522                | △ 759551121600              | SICH.WIDERST. 0.22OHM J 1W  | X 502                | 759551154400                | STECKER 4 POL.              |
| R 531                | 759550975800                | WIDERST. 150 KOHM/ 0.5 W    | X 601                | 759550966400                | STECKER 2 POL.              |
| R 532                | 759550975800                | WIDERST. 150 KOHM/ 0.5 W    | X 602                | 759551153000                | STECKER 2 POL.              |
| R 534                | 759510229600                | WIDERSTAND 47OHM 5% 0,5W    | X 703                | △ 759551077100              | BILDROHRSOCKEL              |
| R 619                | 759550933500                | WIDERST. 1M 0.5W            | ZD 501               | 830970755500                | Z DIODE ZPD 15 ITT/BZX 55 C |
| R 620                | △ 759550457500              | PTC 9OHM 2PIN               | ZD 502               | 759550923600                | DIODE BZX55C33              |
| R 632                | 759551022100                | WIDERST. 12 KOHM 1/16 W     | ZD 503               | 759551078100                | Z-DIODE CBV2                |
| R 635                | 759550542000                | WIDERST 2.7OHM K 5W R10     | ZD 504               | 759551078100                | Z-DIODE CBV2                |
| R 636                | 759550452400                | WIDERST 1MOHM1W             | ZD 601               | 759551098400                | DIODE ZN.1V 1.5W            |
| R 638                | 759510229600                | WIDERSTAND 47OHM 5% 0,5W    | ZD 602               | 759550923500                | DIODE ZPD5.1                |
| R 644                | △ 759550452600              | WIDERST 4,7MOHM1/2W         |                      |                             |                             |
| R 645                | 759510229600                | WIDERSTAND 47OHM 5% 0,5W    |                      |                             |                             |
| R 649                | △ 759551154700              | WIDERST.0,05OHM 1/2W        |                      |                             |                             |
| R 652                | 759550975800                | WIDERST. 150 KOHM/ 0.5 W    |                      |                             |                             |
| SK 202               | 759550926700                | EURO AV-BUCHSE              |                      |                             |                             |
| T 102                | 830100484800                | SMD TRANS BC848B/ BC847B P  |                      |                             |                             |
| T 103                | 830100484800                | SMD TRANS BC848B/ BC847B P  |                      |                             |                             |
| T 201                | 830100484800                | SMD TRANS BC848B/ BC847B P  |                      |                             |                             |
| T 205                | 830100484800                | SMD TRANS BC848B/ BC847B P  |                      |                             |                             |
| T 206                | 830100385800                | SMD TRANS BC858B/ BC857B P  |                      |                             |                             |
| T 207                | 830100385800                | SMD TRANS BC858B/ BC857B P  |                      |                             |                             |
| T 301                | 830100484800                | SMD TRANS BC848B/ BC847B P  |                      |                             |                             |
| T 304                | 830100385800                | SMD TRANS BC858B/ BC857B P  |                      |                             |                             |
| T 305                | 830100385800                | SMD TRANS BC858B/ BC857B P  |                      |                             |                             |
| T 306                | 830100385800                | SMD TRANS BC858B/ BC857B P  |                      |                             |                             |

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!



The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

Ersatzteilliste  
Spare Parts List

8 / 2005

LP-CHASSISMODUL K5  
CHASSISBOARD K5

MATERIAL-NR. / PART NO.: 275990147800

| POS. NR.<br>POS. NO. | ABB.<br>FIG. | MATERIAL-NR.<br>PART NUMBER | ANZ.<br>QTY. | BEZEICHNUNG<br>DESCRIPTION | DESCRIPTION<br>(GB) |
|----------------------|--------------|-----------------------------|--------------|----------------------------|---------------------|
|----------------------|--------------|-----------------------------|--------------|----------------------------|---------------------|

|              |  |                                   |  |                                  |  |
|--------------|--|-----------------------------------|--|----------------------------------|--|
| 275990147800 |  | LP-CHASSISMODUL K5<br>KEIN E-TEIL |  | CHASSISBOARD K5<br>NO SPARE PART |  |
|--------------|--|-----------------------------------|--|----------------------------------|--|

| POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION | POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION |
|----------------------|-----------------------------|----------------------------|----------------------|-----------------------------|----------------------------|
|----------------------|-----------------------------|----------------------------|----------------------|-----------------------------|----------------------------|

|       |                |                             |        |                |                             |
|-------|----------------|-----------------------------|--------|----------------|-----------------------------|
| C 249 | 759550949200   | ELKO 10 UF/16V              | D 614  | 830956550700   | DIODE RGP10J/1N4937 MOT/GP  |
| C 308 | 759550949200   | ELKO 10 UF/16V              | D 615  | 759550543400   | DIODE RGP30D                |
| C 422 | 759550949200   | ELKO 10 UF/16V              | D 616  | 759551154500   | DIODE SB540                 |
| C 423 | 759550949200   | ELKO 10 UF/16V              | D 617  | 830956550700   | DIODE RGP10J/1N4937 MOT/GP  |
| C 424 | 759550949200   | ELKO 10 UF/16V              | D 618  | 830956550700   | DIODE RGP10J/1N4937 MOT/GP  |
| C 527 | △ 759551124400 | KONDENS. 7.8 NF 1.5 KV      | D 619  | 759902002100   | DIODE BA 157                |
| C 528 | 759551088400   | KONDENS. 270NF J 250V R:1   | D 620  | 833021514800   | MELF DIODE 1N4148           |
| C 624 | 759550949500   | KONDENS 100NF/250 V         | D 621  | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  |
| C 625 | △ 759551164100 | KONDENS. 330 NF 275 VAC     | D 701  | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  |
| C 626 | 759550949300   | KONDENS. 220 NF/275 V AC    | D 702  | 833021514800   | MELF DIODE 1N4148           |
| C 627 | 853151068700   | MKT 15 0,033UF 20% 630V     | D 703  | 833021514800   | MELF DIODE 1N4148           |
| C 630 | 759550988000   | ELKO 47 UF/160 V            | D 704  | 833021514800   | MELF DIODE 1N4148           |
| C 631 | 759550988000   | ELKO 47 UF/160 V            | D 705  | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  |
| C 634 | 759550949500   | KONDENS 100NF/250 V         | D 706  | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  |
| C 636 | △ 759550965300 | KONDENS 220PF M 250VAC R:10 | D 707  | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  |
| C 637 | △ 759550965300 | KONDENS 220PF M 250VAC R:10 | D 708  | 830921512700   | DIODE 1 N 4007 -GA          |
| C 644 | 759550949500   | KONDENS 100NF/250 V         | D510   | 759902002100   | DIODE BA 157                |
| C 654 | △ 759880450800 | KONDENS. 2.2NF 20% 250V     |        |                |                             |
| C 701 | 759550949200   | ELKO 10 UF/16V              | F 103  | 831900696700   | OFWFL X6966M100 SIE         |
| C 714 | 759550949500   | KONDENS 100NF/250 V         |        |                |                             |
| D 102 | 759880755100   | DIODE 1N5819                | FS 601 | △ 759550922700 | SICHERUNG 3.15AT            |
| D 201 | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  | FS 601 | △ 759550921800 | SICHERUNGSHALTER            |
| D 202 | 833021514800   | MELF DIODE 1N4148           | IC 101 | 720086707500   | SW/IC VD-FLASH F1           |
| D 401 | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  | IC 201 | 759551078800   | IC MC 14052BD               |
| D 402 | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  | IC 301 | 759550506300   | IC AN5277                   |
| D 403 | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  | IC 401 | 759550519300   | IC CHIP AT24C16AN 10SI TAPE |
| D 404 | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  | IC 501 | 759551112300   | IC TDA 8357 J               |
| D 405 | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  | IC 601 | 759551123300   | IC MC33269T G 0.8A LD       |
| D 501 | 833021514800   | MELF DIODE 1N4148           | IC 602 | 759551153100   | IC ICE1QS01                 |
| D 504 | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  | IC 603 | 759551095100   | IC LM317LZRA 0.1A TO92      |
| D 505 | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  | IC 604 | 759551095100   | IC LM317LZRA 0.1A TO92      |
| D 508 | 759902002100   | DIODE BA 157                | IC 605 | 830544043100   | IC TL431CLPRP MOT AV330 ER- |
| D 509 | 759902002100   | DIODE BA 157                | IC 606 | 759551060700   | IC NCP1117DTARK (DPAK)      |
| D 511 | 759902002100   | DIODE BA 157                | IC 607 | 759551060700   | IC NCP1117DTARK (DPAK)      |
| D 512 | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  | IC 608 | 759551060700   | IC NCP1117DTARK (DPAK)      |
| D 604 | 833021514800   | MELF DIODE 1N4148           | IC 609 | 830544043100   | IC TL431CLPRP MOT AV330 ER- |
| D 605 | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  |        |                |                             |
| D 606 | 725511823600   | DIODE RF2007 IO             | L 101  | 759551095200   | SPULE 10UH LAN02 280MA/1R   |
| D 607 | 725511823600   | DIODE RF2007 IO             | L 102  | 759551095200   | SPULE 10UH LAN02 280MA/1R   |
| D 608 | 725511823600   | DIODE RF2007 IO             | L 103  | 759813083500   | DR 0207 10UH 5% AX          |
| D 609 | 725511823600   | DIODE RF2007 IO             | L 104  | 759862006100   | DR 0309 10UH 4-253T-15020   |
| D 610 | 759550455400   | DIODE RGP30MS               | L 105  | 759862006100   | DR 0309 10UH 4-253T-15020   |
| D 611 | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  | L 106  | 759813083500   | DR 0207 10UH 5% AX          |
| D 612 | 833021514800   | MELF DIODE 1N4148           | L 107  | 759551095200   | SPULE 10UH LAN02 280MA/1R   |
| D 613 | 833021514800   | MELF DIODE 1N4148           | L 108  | 759551095200   | SPULE 10UH LAN02 280MA/1R   |

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

| POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION  | POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION  |
|----------------------|-----------------------------|-----------------------------|----------------------|-----------------------------|-----------------------------|
| L 109                | 759862006100                | DR 0309 10UH 4-253T-15020   | T 304                | 830100385800                | SMD TRANS BC858B/ BC857B P  |
| L 110                | 759862006100                | DR 0309 10UH 4-253T-15020   | T 305                | 830100385800                | SMD TRANS BC858B/ BC857B P  |
| L 111                | 759880454800                | SPULE 10UH 10% 4X9,8MM LALO | T 306                | 830100385800                | SMD TRANS BC858B/ BC857B P  |
| L 112                | 759551095200                | SPULE 10UH LAN02 280MA/1R   | T 307                | 830100385800                | SMD TRANS BC858B/ BC857B P  |
| L 113                | 759550924000                | SPULE 4,7UH                 | T 401                | 759551113800                | TRANS BC818-215             |
| L 114                | 759550971400                | SPULE 4,7UH LAL04 52MM      | T 403                | 759551098700                | TRANS BC848BLT1G            |
| L 115                | 759875214900                | CHIP SPULE 8.2UH            | T 404                | 759551098700                | TRANS BC848BLT1G            |
| L 116                | 759813083500                | DR 0207 10UH 5% AX          | T 405                | 759551098700                | TRANS BC848BLT1G            |
| L 117                | 759813083500                | DR 0207 10UH 5% AX          | T 406                | 759551098700                | TRANS BC848BLT1G            |
| L 203                | 759550975200                | SPULE 10 UH                 | T 407                | 830100385800                | SMD TRANS BC858B/ BC857B P  |
| L 204                | 759550975200                | SPULE 10 UH                 | T 408                | 830100385800                | SMD TRANS BC858B/ BC857B P  |
| L 207                | 759550975200                | SPULE 10 UH                 | T 409                | 830100385800                | SMD TRANS BC858B/ BC857B P  |
| L 208                | 759550975200                | SPULE 10 UH                 | T 410                | 830100385800                | SMD TRANS BC858B/ BC857B P  |
| L 301                | 759862006100                | DR 0309 10UH 4-253T-15020   | T 501                | 830100385800                | SMD TRANS BC858B/ BC857B P  |
| L 401                | 759551095200                | SPULE 10UH LAN02 280MA/1R   | T 502                | 759551077600                | TRANS TRN BC639             |
| L 402                | 759551095200                | SPULE 10UH LAN02 280MA/1R   | T 504                | 759551125200                | TRANS 2 SD 2586             |
| L 403                | 759551095200                | SPULE 10UH LAN02 280MA/1R   | T 505                | 830327332700                | TRANS BC327-25 AV330 -      |
| L 404                | 759862006100                | DR 0309 10UH 4-253T-15020   | T 506                | 759551098700                | TRANS BC848BLT1G            |
| L 405                | 759551095200                | SPULE 10UH LAN02 280MA/1R   | T 601                | 759551098700                | TRANS BC848BLT1G            |
| L 406                | 759550924000                | SPULE 4,7UH                 | T 602                | 759551098700                | TRANS BC848BLT1G            |
| L 504                | 759551056800                | SPULE H-LIN 100UH           | T 603                | 759551098700                | TRANS BC848BLT1G            |
| L 601                | △ 759550947200              | FILTER 18 MH                | T 607                | 759551098700                | TRANS BC848BLT1G            |
| L 602                | 759550451800                | SPULE 50UH                  | T 608                | 759551098700                | TRANS BC848BLT1G            |
| L 603                | 759550924000                | SPULE 4,7UH                 | T 609                | 759551131000                | TRANS 2SK3567               |
| L 701                | 759550451500                | SPULE 10UH R0814            | T 610                | 759551154200                | TRN STP20N06LFP             |
| P 602                | 759550927600                | ESTR 10K                    | T 701                | 759551098700                | TRANS BC848BLT1G            |
| P 602                | 759550927600                | ESTR 10K                    | T 702                | 759551098700                | TRANS BC848BLT1G            |
| PH 601               | △ 759550922100              | OPTOKOPPLER SFH617          | T 703                | 759551098700                | TRANS BC848BLT1G            |
| Q 102                | 759550971800                | QUARZ 20.25MHZ 20PPM (10647 | T 704                | 759551013200                | TRANS BF 421                |
| R 319                | 759550987600                | WIDERST. 4.7 K 1/16W        | T 705                | 759551013200                | TRANS BF 421                |
| R 320                | 759550987600                | WIDERST. 4.7 K 1/16W        | T 706                | 759551013200                | TRANS BF 421                |
| R 445                | 759550987600                | WIDERST. 4.7 K 1/16W        | T 707                | 759551153300                | TRANS.2SC3619               |
| R 449                | 759550987600                | WIDERST. 4.7 K 1/16W        | T 708                | 759551153300                | TRANS.2SC4544               |
| R 461                | 759550987600                | WIDERST. 4.7 K 1/16W        | T 709                | 759551153300                | TRANS.2SC3619               |
| R 481                | 759550987600                | WIDERST. 4.7 K 1/16W        | T 709                | 759551153200                | TRANS.2SC4544               |
| R 508                | 759551099900                | WIDERST. 2.7K OHM 1/4W      | TH 601               | 759550949400                | THYRISTOR MCR 22-8          |
| R 515                | 759551099900                | WIDERST. 2.7K OHM 1/4W      | TR 501               | 759551077200                | TRAFO                       |
| R 522                | △ 759551121600              | SICH.WIDERST. 0.22OHM J 1W  | TR 502               | △ 759551163000              | TRAFO FBT21PF EL/1152.7014  |
| R 531                | 759550975800                | WIDERST. 150 KOHM/ 0.5 W    | TR 601               | △ 759551153400              | TRAFO SMT 20/21 EL/2084.013 |
| R 532                | 759550975800                | WIDERST. 150 KOHM/ 0.5 W    |                      |                             |                             |
| R 534                | 759510229600                | WIDERSTAND 47OHM 5% 0,5W    | TU 102               | 759550980400                | TUNER PS ENV57DA5G3R        |
| R 619                | 759550933500                | WIDERST. 1M 0.5W            | X 703                | △ 759551077100              | BILDROHRSOCKEL              |
| R 620                | △ 759550457500              | PTC 9OHM 2PIN               | ZD 501               | 830970755500                | Z DIODE ZPD 15 ITT/BZX 55 C |
| R 632                | 759551022100                | WIDERST. 12 KOHM 1/16 W     | ZD 502               | 759550923600                | DIODE BZ55C33               |
| R 635                | 759550542000                | WIDERST 2,7OHM K 5W R10     | ZD 503               | 759551078100                | Z-DIODE C8V2                |
| R 636                | 759550452400                | WIDERST 1MOHM1W             | ZD 504               | 759551078100                | Z-DIODE C8V2                |
| R 636                | 759550452400                | WIDERST 1MOHM1W             | ZD 601               | 759551098400                | DIODE Z9.1V 1.5W            |
| R 638                | 759510229600                | WIDERSTAND 47OHM 5% 0,5W    | ZD 602               | 759550923500                | DIODE ZPD5.1                |
| R 644                | △ 759550452600              | WIDERST 4,7MOHM1/2W         |                      |                             |                             |
| R 645                | 759510229600                | WIDERSTAND 47OHM 5% 0,5W    |                      |                             |                             |
| R 649                | △ 759551154700              | WIDERST.0.05OHM 1/2W        |                      |                             |                             |
| R 652                | 759550975800                | WIDERST. 150 KOHM/ 0.5 W    |                      |                             |                             |
| SK 202               | 759550926700                | EURO AV-BUCHSE              |                      |                             |                             |
| T 102                | 759551098700                | TRANS BC848BLT1G            |                      |                             |                             |
| T 103                | 759551098700                | TRANS BC848BLT1G            |                      |                             |                             |
| T 201                | 759551098700                | TRANS BC848BLT1G            |                      |                             |                             |
| T 205                | 759551098700                | TRANS BC848BLT1G            |                      |                             |                             |
| T 206                | 830100385800                | SMD TRANS BC858B/ BC857B P  |                      |                             |                             |
| T 207                | 830100385800                | SMD TRANS BC858B/ BC857B P  |                      |                             |                             |
| T 301                | 759551098700                | TRANS BC848BLT1G            |                      |                             |                             |

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!



The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

Ersatzteilliste  
Spare Parts List

9 / 2005

LP-CHASSISMODUL K5  
CHASSISBOARD K5

MATERIAL-NR. / PART NO.: 275990148800

| POS. NR.<br>POS. NO. | ABB.<br>FIG. | MATERIAL-NR.<br>PART NUMBER | ANZ.<br>QTY. | BEZEICHNUNG<br>D                  | DESCRIPTION<br>GB                |
|----------------------|--------------|-----------------------------|--------------|-----------------------------------|----------------------------------|
|                      |              | 275990148800                |              | LP-CHASSISMODUL K5<br>KEIN E-TEIL | CHASSISBOARD K5<br>NO SPARE PART |

| POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION  | POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION  |
|----------------------|-----------------------------|-----------------------------|----------------------|-----------------------------|-----------------------------|
| C 249                | 759550949200                | ELKO 10 UF/16V              | D 614                | 830956550700                | DIODE RGP10J/1N4937 MOT/GP  |
| C 308                | 759550949200                | ELKO 10 UF/16V              | D 615                | 759550543400                | DIODE RGP30D                |
| C 422                | 759550949200                | ELKO 10 UF/16V              | D 617                | 830956550700                | DIODE RGP10J/1N4937 MOT/GP  |
| C 423                | 759550949200                | ELKO 10 UF/16V              | D 618                | 830956550700                | DIODE RGP10J/1N4937 MOT/GP  |
| C 424                | 759550949200                | ELKO 10 UF/16V              | D 619                | 759902002100                | DIODE BA 157                |
| C 527                | △ 759551124400              | KONDENS. 7.8 NF 1.5 KV      | D 620                | 833021514800                | MELF DIODE 1N4148           |
| C 528                | 759551088400                | KONDENS. 270NF J 250V R:1   | D 621                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  |
| C 624                | 759550949500                | KONDENS 100NF/250 V         | D 701                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  |
| C 625                | △ 759551164100              | KONDENS. 330 NF 275 VAC     | D 702                | 833021514800                | MELF DIODE 1N4148           |
| C 626                | 759550949300                | KONDENS. 220 NF/275 V AC    | D 703                | 833021514800                | MELF DIODE 1N4148           |
| C 627                | 853151068700                | MKT 15 0,033UF 20% 630V     | D 704                | 833021514800                | MELF DIODE 1N4148           |
| C 630                | 759550988000                | ELKO 47 UF/160 V            | D 705                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  |
| C 631                | 759550988000                | ELKO 47 UF/160 V            | D 706                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  |
| C 634                | 759550949500                | KONDENS 100NF/250 V         | D 707                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  |
| C 636                | △ 759550965300              | KONDENS 220PF M 250VAC R:10 | D 708                | 830921512700                | DIODE 1 N 4007 -GA          |
| C 637                | △ 759550965300              | KONDENS 220PF M 250VAC R:10 | D 510                | 759902002100                | DIODE BA 157                |
| C 644                | 759550949500                | KONDENS 100NF/250 V         | F 103                | 831900696700                | OFWFLX X6966M100 SIE        |
| C 654                | △ 759550984100              | KONDENS. 2.2 NF 250 VAC     | FS 601               | △ 759550922700              | SICHERUNG 3.15AT            |
| C 701                | 759550949200                | ELKO 10 UF/16V              | FS 601               | △ 759550921800              | SICHERUNGSHALTER            |
| C 714                | 759550949500                | KONDENS 100NF/250 V         | IC 101               | 720086707900                | SW/IC VCTI-ECO-90DEG VD FLA |
| D 102                | 759880755100                | DIODE 1N5819                | IC 201               | 759551078800                | IC MC 14052BD               |
| D 201                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  | IC 301               | 759550506300                | IC AN5277                   |
| D 202                | 833021514800                | MELF DIODE 1N4148           | IC 401               | 759550519300                | IC CHIP AT24C16AN 10SI TAPE |
| D 401                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  | IC 501               | 759551112300                | IC TDA8357 J                |
| D 402                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  | IC 601               | 759551123300                | IC MC33269T G 0.8A LD       |
| D 403                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  | IC 602               | 759551153100                | IC ICE1QS01                 |
| D 404                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  | IC 603               | 759551099500                | IC LM 317 LZRA 0.1A TO92    |
| D 405                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  | IC 604               | 759551099500                | IC LM 317 LZRA 0.1A TO92    |
| D 501                | 833021514800                | MELF DIODE 1N4148           | IC 606               | 759551060700                | IC NCP1117DTARK (DPAK)      |
| D 504                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  | IC 607               | 759551060700                | IC NCP1117DTARK (DPAK)      |
| D 505                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  | IC 608               | 759551060700                | IC NCP1117DTARK (DPAK)      |
| D 508                | 759902002100                | DIODE BA 157                | L 101                | 759551095200                | SPULE 10UH LAN02 280MA/1R   |
| D 509                | 759902002100                | DIODE BA 157                | L 102                | 759551095200                | SPULE 10UH LAN02 280MA/1R   |
| D 511                | 759902002100                | DIODE BA 157                | L 103                | 759813083500                | DR 0207 10UH 5% AX          |
| D 512                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  | L 104                | 759862006100                | DR 0309 10UH 4-253T-15020   |
| D 604                | 833021514800                | MELF DIODE 1N4148           | L 105                | 759862006100                | DR 0309 10UH 4-253T-15020   |
| D 605                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  | L 106                | 759813083500                | DR 0207 10UH 5% AX          |
| D 606                | 725511823600                | DIODE RF2007 IO             | L 107                | 759551095200                | SPULE 10UH LAN02 280MA/1R   |
| D 607                | 725511823600                | DIODE RF2007 IO             | L 108                | 759551095200                | SPULE 10UH LAN02 280MA/1R   |
| D 608                | 725511823600                | DIODE RF2007 IO             | L 109                | 759862006100                | DR 0309 10UH 4-253T-15020   |
| D 609                | 725511823600                | DIODE RF2007 IO             | L 110                | 759862006100                | DR 0309 10UH 4-253T-15020   |
| D 610                | 759550455400                | DIODE RGP30MS               | L 111                | 759880454800                | SPULE 10UH 10% 4X9,8MM LALO |
| D 611                | 830953414900                | MELF-DIODE LL 4148 TFK/ITT  |                      |                             |                             |
| D 612                | 833021514800                | MELF DIODE 1N4148           |                      |                             |                             |
| D 613                | 833021514800                | MELF DIODE 1N4148           |                      |                             |                             |

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

| POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION  | POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION  |
|----------------------|-----------------------------|-----------------------------|----------------------|-----------------------------|-----------------------------|
| L 112                | 759551095200                | SPULE 10UH LAN02 280MA/1R   | T 401                | 75955113800                 | TRANS BC818-215             |
| L 113                | 759550924000                | SPULE 4.7UH                 | T 403                | 830100484800                | SMD TRANS BC848B/ BC847B P  |
| L 114                | 759550971400                | SPULE 4.7UH LAL04 52MM      | T 404                | 830100484800                | SMD TRANS BC848B/ BC847B P  |
| L 115                | 759875214900                | CHIP SPULE 8.2UH            | T 405                | 830100484800                | SMD TRANS BC848B/ BC847B P  |
| L 116                | 759813083500                | DR 0207 10UH 5% AX          | T 406                | 830100484800                | SMD TRANS BC848B/ BC847B P  |
| L 117                | 759813083500                | DR 0207 10UH 5% AX          | T 407                | 830100385800                | SMD TRANS BC858B/ BC857B P  |
| L 203                | 759550975200                | SPULE 10 UH                 | T 408                | 830100385800                | SMD TRANS BC858B/ BC857B P  |
| L 204                | 759550975200                | SPULE 10 UH                 | T 409                | 830100385800                | SMD TRANS BC858B/ BC857B P  |
| L 207                | 759550975200                | SPULE 10 UH                 | T 410                | 830100385800                | SMD TRANS BC858B/ BC857B P  |
| L 208                | 759550975200                | SPULE 10 UH                 | T 501                | 830100385800                | SMD TRANS BC858B/ BC857B P  |
| L 301                | 759862006100                | DR 0309 10UH 4-253T-15020   | T 502                | 759551077600                | TRANS TRN BC639             |
| L 401                | 759551095200                | SPULE 10UH LAN02 280MA/1R   | T 504                | 75955112500                 | TRANS 2 SD 2586             |
| L 402                | 759551095200                | SPULE 10UH LAN02 280MA/1R   | T 505                | 830327332700                | TRANS BC327-25 AV330 -      |
| L 403                | 759551095200                | SPULE 10UH LAN02 280MA/1R   | T 506                | 830100484800                | SMD TRANS BC848B/ BC847B P  |
| L 404                | 759862006100                | DR 0309 10UH 4-253T-15020   | T 601                | 830100484800                | SMD TRANS BC848B/ BC847B P  |
| L 405                | 759551095200                | SPULE 10UH LAN02 280MA/1R   | T 602                | 830100484800                | SMD TRANS BC848B/ BC847B P  |
| L 406                | 759550924000                | SPULE 4.7UH                 | T 603                | 830100484800                | SMD TRANS BC848B/ BC847B P  |
| L 504                | 759551056800                | SPULE H-LIN 100UH           | T 607                | 830100484800                | SMD TRANS BC848B/ BC847B P  |
| L 601                | △ 759550947200              | FILTER 18 MH                | T 608                | 830100484800                | SMD TRANS BC848B/ BC847B P  |
| L 602                | 759550451800                | SPULE 50UH                  | T 609                | 759551131300                | TRANS 2SK3567               |
| L 603                | 759550924000                | SPULE 4.7UH                 | T 701                | 830100484800                | SMD TRANS BC848B/ BC847B P  |
| L 701                | 759550451500                | SPULE 10UH R0814            | T 702                | 830100484800                | SMD TRANS BC848B/ BC847B P  |
| P 602                | 759550927600                | ESTR 10K                    | T 703                | 830100484800                | SMD TRANS BC848B/ BC847B P  |
| PH 601               | △ 759550963200              | OPTOKOPPLER TCET 1100/V310  | T 704                | 759551013200                | TRANS BF 421                |
| Q 102                | 759550971800                | QUARZ 20.25MHZ 20PPM (10647 | T 705                | 759551013200                | TRANS BF 421                |
| R 319                | 759550987600                | WIDERST. 4.7 K 1/16W        | T 706                | 759551013200                | TRANS BF 421                |
| R 320                | 759550987600                | WIDERST. 4.7 K 1/16W        | T 707                | 759551153300                | TRANS.2SC3619               |
| R 445                | 759550987600                | WIDERST. 4.7 K 1/16W        | T 707                | 759551153200                | TRANS. 2SC4544              |
| R 449                | 759550987600                | WIDERST. 4.7 K 1/16W        | T 708                | 759551153300                | TRANS.2SC3619               |
| R 461                | 759550987600                | WIDERST. 4.7 K 1/16W        | T 708                | 759551153200                | TRANS. 2SC4544              |
| R 481                | 759550987600                | WIDERST. 4.7 K 1/16W        | T 709                | 759551153300                | TRANS.2SC3619               |
| R 508                | 759551099900                | WIDERST. 2.7K OHM 1/4W      | T 709                | 759551153200                | TRANS. 2SC4544              |
| R 515                | 759551099900                | WIDERST. 2.7K OHM 1/4W      | TH 601               | 759880944900                | TYRISTOR MCR 22-8           |
| R 522                | △ 759551121600              | SICH.WIDERST. 0.22OHM J 1W  | TR 501               | 759551077200                | TRAFO                       |
| R 531                | 759550975800                | WIDERST. 150 KOHM/ 0.5 W    | TR 502               | △ 759551163000              | TRAFO FBT21PF EL/1152.7014  |
| R 532                | 759550975800                | WIDERST. 150 KOHM/ 0.5 W    | TR 601               | △ 759551153400              | TRAFO SMT 20/21 EL/2084.013 |
| R 534                | 759510229600                | WIDERSTAND 47OHM 5% 0.5W    | TU 102               | 759550980400                | TUNER PS ENV57DA5G3R        |
| R 619                | 759550933500                | WIDERST. 1M 0.5W            | X 301                | 759550999100                | STECKERLEISTE 4 POL.        |
| R 620                | △ 759550457500              | PTC 90HM 2PIN               | X 502                | 759551154400                | STECKER 4 POL.              |
| R 632                | 759551022100                | WIDERST. 12 KOHM 1/16 W     | X 601                | 759550966400                | STECKER 2 POL.              |
| R 635                | 759550542000                | WIDERST 2,7OHM K 5W R10     | X 602                | 759551153000                | STECKER 2 POL.              |
| R 636                | 759550452400                | WIDERST 1MOHM1W             | X 703                | △ 759551077100              | BILDROHRSCOCKEL             |
| R 636                | 759550452400                | WIDERST 1MOHM1W             | ZD 501               | 830970755500                | Z DIODE ZPD 15 ITT/BZX 55 C |
| R 638                | 759510229600                | WIDERSTAND 47OHM 5% 0,5W    | ZD 502               | 759550923600                | DIODE BZK55C33              |
| R 644                | △ 759550976600              | WIDERST. 4.7 OHM 0.5W       | ZD 503               | 830972008200                | Z DIODE 8.2 C 0.5W          |
| R 645                | 759510229600                | WIDERSTAND 47OHM 5% 0,5W    | ZD 504               | 830972008200                | Z DIODE 8.2 C 0.5W          |
| R 649                | △ 759551154700              | WIDERST.0.05OHM 1/2W        | ZD 601               | 759551098400                | DIODE Z9-1V 1.5W            |
| R 652                | 759550975800                | WIDERST. 150 KOHM/ 0.5 W    | ZD 602               | 759550923500                | DIODE ZPD5.1                |
| SK 202               | 759550926700                | EURO AV-BUCHSE              |                      |                             |                             |
| T 102                | 830100484800                | SMD TRANS BC848B/ BC847B P  |                      |                             |                             |
| T 103                | 830100484800                | SMD TRANS BC848B/ BC847B P  |                      |                             |                             |
| T 201                | 830100484800                | SMD TRANS BC848B/ BC847B P  |                      |                             |                             |
| T 205                | 830100484800                | SMD TRANS BC848B/ BC847B P  |                      |                             |                             |
| T 206                | 830100385800                | SMD TRANS BC858B/ BC857B P  |                      |                             |                             |
| T 207                | 830100385800                | SMD TRANS BC858B/ BC857B P  |                      |                             |                             |
| T 301                | 830100484800                | SMD TRANS BC848B/ BC847B P  |                      |                             |                             |
| T 304                | 830100385800                | SMD TRANS BC858B/ BC857B P  |                      |                             |                             |
| T 305                | 830100385800                | SMD TRANS BC858B/ BC857B P  |                      |                             |                             |
| T 306                | 830100385800                | SMD TRANS BC858B/ BC857B P  |                      |                             |                             |
| T 307                | 830100385800                | SMD TRANS BC858B/ BC857B P  |                      |                             |                             |

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!



The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

ÄNDERUNGEN VORBEHALTEN / SUBJECT TO ALTERATION

Ersatzteilliste  
Spare Parts List

8 / 2005

LP-CHASSISMODUL K5  
CHASSISBOARD K5

MATERIAL-NR. / PART NO.: 275990148000

| POS. NR.<br>POS. NO. | ABB.<br>FIG. | MATERIAL-NR.<br>PART NUMBER | ANZ.<br>QTY. | BEZEICHNUNG<br>DESCRIPTION |
|----------------------|--------------|-----------------------------|--------------|----------------------------|
|----------------------|--------------|-----------------------------|--------------|----------------------------|

|              |  |                                   |  |                                  |
|--------------|--|-----------------------------------|--|----------------------------------|
| 275990148000 |  | LP-CHASSISMODUL K5<br>KEIN E-TEIL |  | CHASSISBOARD K5<br>NO SPARE PART |
|--------------|--|-----------------------------------|--|----------------------------------|

| POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION | POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION |
|----------------------|-----------------------------|----------------------------|----------------------|-----------------------------|----------------------------|
|----------------------|-----------------------------|----------------------------|----------------------|-----------------------------|----------------------------|

|       |                |                             |        |                |                             |
|-------|----------------|-----------------------------|--------|----------------|-----------------------------|
| C 249 | 759550949200   | ELKO 10 UF/16V              | D 613  | 833021514800   | MELF DIODE 1N4148           |
| C 308 | 759550949200   | ELKO 10 UF/16V              | D 614  | 830956550700   | DIODE RGP10J/1N4937 MOT/GP  |
| C 422 | 759550949200   | ELKO 10 UF/16V              | D 615  | 759550543400   | DIODE RGP30D                |
| C 423 | 759550949200   | ELKO 10 UF/16V              | D 616  | 759551154500   | DIODE SB540                 |
| C 424 | 759550949200   | ELKO 10 UF/16V              | D 617  | 830956550700   | DIODE RGP10J/1N4937 MOT/GP  |
| C 527 | △ 759551124400 | KONDENS. 7.8 NF 1.5 KV      | D 618  | 830956550700   | DIODE RGP10J/1N4937 MOT/GP  |
| C 528 | 759551088400   | KONDENS. 270NF J 250V R:1   | D 619  | 759902002100   | DIODE BA 157                |
| C 624 | 759550949500   | KONDENS 100NF/250 V         | D 620  | 833021514800   | MELF DIODE 1N4148           |
| C 625 | △ 759551164100 | KONDENS. 330 NF 275 VAC     | D 621  | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  |
| C 626 | 759550949300   | KONDENS. 220 NF/275 V AC    | D 701  | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  |
| C 627 | 853151068700   | MKT 15 0,033UF 20% 630V     | D 702  | 833021514800   | MELF DIODE 1N4148           |
| C 630 | 759550988000   | ELKO 47 UF/160 V            | D 703  | 833021514800   | MELF DIODE 1N4148           |
| C 631 | 759550988000   | ELKO 47 UF/160 V            | D 704  | 833021514800   | MELF DIODE 1N4148           |
| C 634 | 759550949500   | KONDENS 100NF/250 V         | D 705  | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  |
| C 636 | △ 759550965300 | KONDENS 220PF M 250VAC R:10 | D 706  | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  |
| C 637 | △ 759550965300 | KONDENS 220PF M 250VAC R:10 | D 707  | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  |
| C 644 | 759550949500   | KONDENS 100NF/250 V         | D 708  | 830921512700   | DIODE 1 N 4007 -GA          |
| C 654 | △ 759550984100 | KONDENS. 2.2 NF 250 VAC     |        |                |                             |
| C 701 | 759550949200   | ELKO 10 UF/16V              | F 103  | 831900696700   | OFWFL X6966M100 SIE         |
| C 714 | 759550949500   | KONDENS 100NF/250 V         |        |                |                             |
| D 102 | 759880755100   | DIODE 1N5819                | FS 601 | △ 759550921800 | SICHERUNGSHALTER            |
| D 201 | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  | FS 601 | △ 759550922700 | SICHERUNG 3.15AT            |
| D 202 | 833021514800   | MELF DIODE 1N4148           | IC 101 | 720086707700   | SW/IC 256K PROG.            |
| D 401 | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  | IC 201 | 759551078800   | IC MC 14052BD               |
| D 402 | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  | IC 301 | 759550506300   | IC AN5277                   |
| D 403 | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  | IC 401 | 759550519300   | IC CHIP AT24C16AN 10SI TAPE |
| D 404 | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  | IC 501 | 759551112300   | IC TDA 8357 J               |
| D 405 | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  | IC 601 | 759551123300   | IC MC33269T G 0.8A LD       |
| D 501 | 833021514800   | MELF DIODE 1N4148           | IC 602 | 759551163300   | IC ICE1QS01                 |
| D 504 | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  | IC 603 | 759551095500   | IC LM 317 LZRA 0.1A TO92    |
| D 505 | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  | IC 604 | 759551095500   | IC LM 317 LZRA 0.1A TO92    |
| D 508 | 759902002100   | DIODE BA 157                | IC 605 | 830544143100   | IC TL431CLPRA AV330 ER-REFE |
| D 509 | 759902002100   | DIODE BA 157                | IC 606 | 759551060700   | IC NCP1117DTARK (DPAK)      |
| D 510 | 759902002100   | DIODE BA 157                | IC 607 | 759551060700   | IC NCP1117DTARK (DPAK)      |
| D 511 | 759902002100   | DIODE BA 157                | IC 608 | 759551060700   | IC NCP1117DTARK (DPAK)      |
| D 512 | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  | IC 609 | 830544143100   | IC TL431CLPRA AV330 ER-REFE |
| D 604 | 833021514800   | MELF DIODE 1N4148           |        |                |                             |
| D 605 | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  | L 101  | 759551095200   | SPULE 10UH LAN02 280MA/1R   |
| D 606 | 725511823600   | DIODE RF2007 IO             | L 102  | 759551095200   | SPULE 10UH LAN02 280MA/1R   |
| D 607 | 725511823600   | DIODE RF2007 IO             | L 103  | 759813083500   | DR 0207 10UH 5% AX          |
| D 608 | 725511823600   | DIODE RF2007 IO             | L 104  | 759862006100   | DR 0309 10UH 4-253T-15020   |
| D 609 | 725511823600   | DIODE RF2007 IO             | L 105  | 759862006100   | DR 0309 10UH 4-253T-15020   |
| D 610 | 759550455400   | DIODE RGP30MS               | L 106  | 759813083500   | DR 0207 10UH 5% AX          |
| D 611 | 830953414900   | MELF-DIODE LL 4148 TFK/ITT  | L 107  | 759551095200   | SPULE 10UH LAN02 280MA/1R   |
| D 612 | 833021514800   | MELF DIODE 1N4148           | L 108  | 759551095200   | SPULE 10UH LAN02 280MA/1R   |

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| POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION  | POS. NR.<br>POS. NO. | MATERIAL-NR.<br>PART NUMBER | BEZEICHNUNG<br>DESCRIPTION  |
|----------------------|-----------------------------|-----------------------------|----------------------|-----------------------------|-----------------------------|
| L 109                | 759862006100                | DR 0309 10UH 4-253T-15020   | T 306                | 830100385800                | SMD TRANS BC858B/ BC857B P  |
| L 110                | 759862006100                | DR 0309 10UH 4-253T-15020   | T 307                | 830100385800                | SMD TRANS BC858B/ BC857B P  |
| L 111                | 814052636100                | DR 0411 10UH 5% AV619 -AMMO | T 401                | 759551138000                | TRANS BC818-215             |
| L 112                | 759551095200                | SPULE 10UH LAN02 280MA/1R   | T 403                | 759551098700                | TRANS BC848BLT1G            |
| L 113                | 759550924000                | SPULE 4.7UH                 | T 404                | 759551098700                | TRANS BC848BLT1G            |
| L 114                | 759550971400                | SPULE 4.7UH LAL04 52MM      | T 405                | 759551098700                | TRANS BC848BLT1G            |
| L 115                | 759875214900                | CHIP SPULE 8.2UH            | T 406                | 759551098700                | TRANS BC848BLT1G            |
| L 116                | 759813083500                | DR 0207 10UH 5% AX          | T 407                | 830100385800                | SMD TRANS BC858B/ BC857B P  |
| L 117                | 759813083500                | DR 0207 10UH 5% AX          | T 408                | 830100385800                | SMD TRANS BC858B/ BC857B P  |
| L 203                | 759550975200                | SPULE 10 UH                 | T 409                | 830100385800                | SMD TRANS BC858B/ BC857B P  |
| L 204                | 759550975200                | SPULE 10 UH                 | T 410                | 830100385800                | SMD TRANS BC858B/ BC857B P  |
| L 207                | 759550975200                | SPULE 10 UH                 | T 501                | 830100385800                | SMD TRANS BC858B/ BC857B P  |
| L 208                | 759550975200                | SPULE 10 UH                 | T 502                | 759551077600                | TRANS TRN BC639             |
| L 301                | 759862006100                | DR 0309 10UH 4-253T-15020   | T 504                | 759551125000                | TRANS 2 SD 2586             |
| L 401                | 759551095200                | SPULE 10UH LAN02 280MA/1R   | T 505                | 830327332700                | TRANS BC327-25              |
| L 402                | 759551095200                | SPULE 10UH LAN02 280MA/1R   | T 506                | 759551098700                | TRANS BC848BLT1G            |
| L 403                | 759551095200                | SPULE 10UH LAN02 280MA/1R   | T 601                | 759551098700                | TRANS BC848BLT1G            |
| L 404                | 759862006100                | DR 0309 10UH 4-253T-15020   | T 602                | 759551098700                | TRANS BC848BLT1G            |
| L 405                | 759551095200                | SPULE 10UH LAN02 280MA/1R   | T 603                | 759551098700                | TRANS BC848BLT1G            |
| L 406                | 759550924000                | SPULE 4.7UH                 | T 607                | 759551098700                | TRANS BC848BLT1G            |
| L 504                | 759551056800                | SPULE H-LIN 100UH           | T 608                | 759551098700                | TRANS BC848BLT1G            |
| L 601                | △ 759550947200              | FILTER 18 MH                | T 609                | 759551113100                | TRANS 2SK3567               |
| L 602                | 759550451800                | SPULE 50UH                  | T 610                | 759551154200                | TRN STP2ONE06LFP            |
| L 603                | 759550924000                | SPULE 4.7UH                 | T 701                | 759551098700                | TRANS BC848BLT1G            |
| L 701                | 759550451500                | SPULE 10UH R0814            | T 702                | 759551098700                | TRANS BC848BLT1G            |
| P 602                | 759550927600                | ESTR 10K                    | T 703                | 759551098700                | TRANS BC848BLT1G            |
| PH 601               | △ 759550963200              | OPTOKOPPLER TCET 1100/V310  | T 704                | 759551013200                | TRANS BF 421                |
| Q 102                | 759550971800                | QUARZ 20.25MHZ 20PPM (10647 | T 705                | 759551013200                | TRANS BF 421                |
| R 319                | 759550987600                | WIDERST. 4.7 K 1/16W        | T 706                | 759551013200                | TRANS BF 421                |
| R 320                | 759550987600                | WIDERST. 4.7 K 1/16W        | T 707                | 759551153300                | TRANS.2SC3619               |
| R 445                | 759550987600                | WIDERST. 4.7 K 1/16W        | T 708                | 759551153300                | TRANS.2SC3619               |
| R 449                | 759550987600                | WIDERST. 4.7 K 1/16W        | T 709                | 759551153300                | TRANS.2SC3619               |
| R 461                | 759550987600                | WIDERST. 4.7 K 1/16W        | TH 601               | 759880944900                | TYRISTOR MCR 22-8           |
| R 481                | 759551154900                | WIDERST.15KOHM 1/16W 0603   | TR 501               | 759551077200                | TRAF0                       |
| R 508                | 759551099900                | WIDERST. 2.7K OHM 1/4W      | TR 502               | △ 759551163000              | TRAF0 FBT21PF EL/1152.7014  |
| R 515                | 759551099900                | WIDERST. 2.7K OHM 1/4W      | TR 601               | △ 759551153400              | TRAF0 SMT 20/21 EL/2084.013 |
| R 522                | △ 759551121600              | SICH.WIDERST. 0.22OHM J 1W  | TU 102               | 759550980400                | TUNER PS ENV57DA5G3R        |
| R 531                | 759550975800                | WIDERST. 150 KOHM/ 0.5 W    | X 301                | 759550999100                | STECKERLEISTE 4 POL.        |
| R 532                | 759550975800                | WIDERST. 150 KOHM/ 0.5 W    | X 502                | 759551154400                | STECKER 4 POL.              |
| R 534                | 759510229600                | WIDERSTAND 47OHM 5% 0.5W    | X 601                | 759550966400                | STECKER 2 POL.              |
| R 619                | 759550933500                | WIDERST. 1M 0.5W            | X 602                | 759551153000                | STECKER 2 POL.              |
| R 620                | △ 759550457500              | PTC.9OHM 2PIN               | X 703                | △ 759551077100              | BILDROHRSCOCKEL             |
| R 632                | 759551022100                | WIDERST. 12 KOHM 1/16 W     | ZD 501               | 830970755500                | Z DIODE ZPD 15 ITT/BZX 55 C |
| R 635                | 759550542000                | WIDERST 2.7OHM K 5W R10     | ZD 502               | 759550923600                | DIODE BZX55C33              |
| R 636                | 759550452400                | WIDERST 1MOHM1W             | ZD 503               | 759551078100                | Z-DIODE C8V2                |
| R 638                | 759510229600                | WIDERSTAND 47OHM 5% 0.5W    | ZD 504               | 759551078100                | Z-DIODE C8V2                |
| R 644                | △ 759550452600              | WIDERST 4.7MOHM1/2W         | ZD 601               | 759551098400                | DIODE Z9-1V 1.5W            |
| R 645                | 759510229600                | WIDERSTAND 47OHM 5% 0.5W    | ZD 602               | 759550923500                | DIODE ZPD5.1                |
| R 649                | △ 759551154700              | WIDERST.0.05OHM 1/2W        |                      |                             |                             |
| R 652                | 759550975800                | WIDERST. 150 KOHM/ 0.5 W    |                      |                             |                             |
| SK 202               | 759550926700                | EURO AV-BUCHSE              |                      |                             |                             |
| T 102                | 759551098700                | TRANS BC848BLT1G            |                      |                             |                             |
| T 103                | 759551098700                | TRANS BC848BLT1G            |                      |                             |                             |
| T 201                | 759551098700                | TRANS BC848BLT1G            |                      |                             |                             |
| T 205                | 759551098700                | TRANS BC848BLT1G            |                      |                             |                             |
| T 206                | 830100385800                | SMD TRANS BC858B/ BC857B P  |                      |                             |                             |
| T 207                | 830100385800                | SMD TRANS BC858B/ BC857B P  |                      |                             |                             |
| T 301                | 759551098700                | TRANS BC848BLT1G            |                      |                             |                             |
| T 304                | 830100385800                | SMD TRANS BC858B/ BC857B P  |                      |                             |                             |
| T 305                | 830100385800                | SMD TRANS BC858B/ BC857B P  |                      |                             |                             |

Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Mat.-Nummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!



The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

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