

Sicherheitsvorschriften / Safety requirements / Prescrizioni de sicurezza / Prescriptions de sécurité / Prescripciones de seguridad

- D** Achtung: Bei Eingriffen ins Gerät sind die Sicherheitsvorschriften nach VDE 701 (reparaturbezogen) bzw. VDE 0860 / IEC 65 (gerätebezogen) zu beachten!
- VDE** Bauteile nach IEC- bzw. VDE-Richtlinien! Im Ersatzfall nur Teile mit gleicher Spezifikation verwenden!
- MOS - Vorschriften beim Umgang mit MOS - Bauteilen beachten!
- GB** Attention: Please observe the applicable safety requirements according to VDE 701 (concerning repairs) and VDE 0860 / IEC 65 (concerning type of product)!
- VDE** Components to IEC or VDE guidelines! Only use components with the same specifications for replacement!
- Observe MOS components handling instructions when servicing!
- I** Attenzione: Osservarne le corrispondenti prescrizioni di sicurezza VDE 701 (concernente servizio) e VDE 0860/IEC 65 (concernente il tipo di prodotto)!
- VDE** Componenti secondo le norme VDE risp. te IEC! In caso di sostituzione impiegare solo componenti con le stesse caratteristiche.
- Osservare le relative prescrizioni durante, lavori con componenti MOS!
- F** Attention: Priere d'observer les prescriptions de sécurité VDE 701 (concernant les réparations) et VDE 0860 / IEC 65 (concernant le type de produit)!
- VDE** Composants répondant aux normes VDE ou IEC. Les remplacer uniquement par des composants ayant les mêmes spécifications.
- Lors de la manipulation des circuits MOS, respecter les prescriptions MOS!
- E** Atención: Recomendamos las normas de seguridad VDE u otras normas equivalentes, por ejemplo: VDE 701 para reparaciones, VDE 0860 / IEC 65 para aparatos!
- VDE** Componentes que cumplen las normas VDE/IEC. En caso de sustitución, emplear componentes con idénticas especificaciones!
- Durante la reparación observar las normas sobre componentes MOS!
- USA** Attention: This set can only be operated from AC mains of 120 V/60 Hz. Also observe the information given on the rear of the set.
- VDE** CAUTION-for continued protection against risk of fire replace only with same type fuses!
- CAUTION: to reduce the risk of electric shock, do not remove cover (or back), no user-serviceable parts inside, refer servicing to qualified service personnel.
- VDE** Components to safety guidelines (IEC/U.L.)! Only use components with the same specifications for replacement!
- Observe by checking leakage-current or resistance measurement that the exposed parts are acceptably insulated from the supply circuit.
- Observe MOS components handling instructions when servicing!

D

Sicherheitsbestimmungen

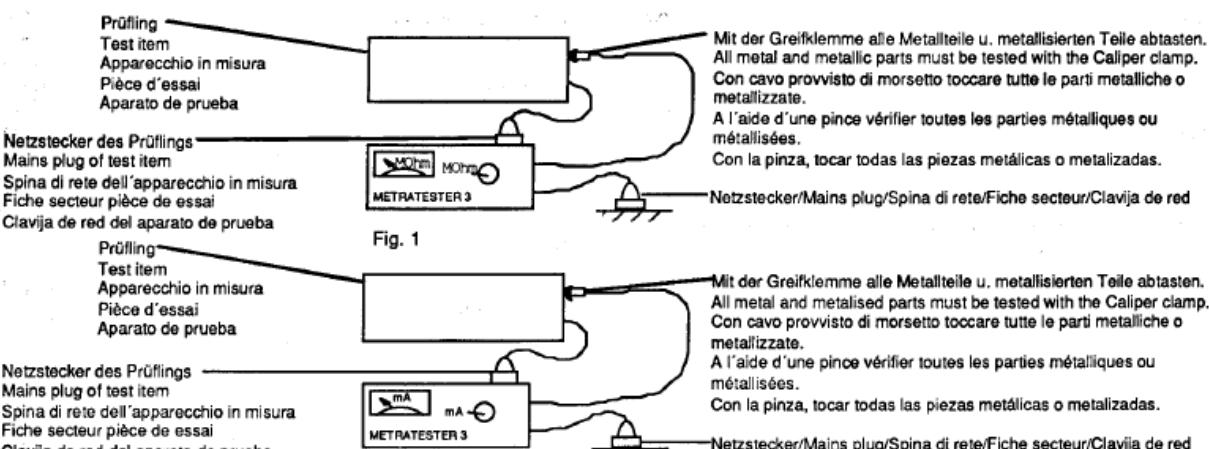
Nach Servicearbeiten ist bei Geräten der Schutzklasse II die Messung des Isolationswiderstandes und des Ableitstromes bei eingeschaltetem Gerät nach VDE 0701 / Teil 200 bzw. der am Aufstellort geltenden Vorschrift, durchzuführen! Dieses Gerät entspricht der Schutzklasse II, erkennbar durch das Symbol .

• Messen des Isolationswiderstandes nach VDE 0701.

Isolationsmesser ($U_{Test} = 500 \text{ V}$) gleichzeitig an beiden Netzpolen und zwischen allen Gehäuse- oder Funktionsteilen (Antenne, Buchsen, Tasten, Zierteilen, Schrauben, usw.) aus Metall oder Metalllegierungen anlegen. Fehlerfrei ist das Gerät bei einem:

$$R_{Isol} \geq 2 \text{ M}\Omega \text{ bei } U_{Test} = 500 \text{ V} \\ \text{Meßzeit: } \geq 1 \text{ s (Fig. 1)}$$

Anmerkung: Bei Geräten der Schutzklasse II kann durch Entladungswiderstände der Meßwert des Isolationswiderstandes konstruktionsbedingt $< 2 \text{ M}\Omega$ sein. In diesen Fällen ist die Ableitstrommessung maßgebend.



• Messen des Ableitstromes nach VDE 0701.

Ableitstrommesser ($U_{Test} = 220 \text{ V}$) gleichzeitig an beiden Netzpolen und zwischen allen Gehäuse- oder Funktionsteilen (Antenne, Buchsen, Tasten, Zierteilen, Schrauben, usw.) aus Metall oder Metalllegierungen anlegen. Fehlerfrei ist das Gerät bei einem:

$$I_{Ableit} \leq 1 \text{ mA bei } U_{Test} = 220 \text{ V} \\ \text{Meßzeit } \geq 1 \text{ s (Fig. 2)}$$

Wir empfehlen die Messungen mit dem METRATESTER 3 durchzuführen. (Meßgerät zur Prüfung elektrischer Geräte nach VDE 0701).

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Ist die Sicherheit des Gerätes nicht gegeben, weil
- eine Instandsetzung unmöglich ist
- oder der Wunsch des Benutzers besteht, die Instandsetzung
nicht durchführen zu lassen, so muß dem Betreiber die vom
Gerät ausgehende Gefahr schriftlich mitgeteilt werden.

Mit der Greifklemme alle Metallteile u. metallisierten Teile abtasten.
All metal and metallic parts must be tested with the Caliper clamp.
Con cavo provvisto di morsetto toccare tutte le parti metalliche o
metallizzate.

A l'aide d'une pince vérifier toutes les parties métalliques ou
métallisées.
Con la pinza, tocar todas las piezas metálicas o metalizadas.

Netzstecker/Mains plug/Spina di rete/Fiche secteur/Clavija de red

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Netzstecker/Mains plug/Spina di rete/Fiche secteur/Clavija de red

GB

Safety Standard Compliance

After service work on a product conforming to the Safety Class II, the insulating resistance and the leakage current with the product switch on must be checked according to VDE 0701 or to the specification valid at the installation location! This product conforms to the Safety Class II, as identified by the symbol .

- **Measurement of the Insulation Resistance to VDE 0701.** Connect an Insulation Meter ($U_{\text{Test}} = 500 \text{ V}$) to both mains poles simultaneously and between all cabinet or functional parts (antenna, sockets, buttons, decorative parts, etc.) made from metal or metal alloy. The product is fault free if:

$$R_{\text{isol}} \geq 2 \text{ M}\Omega \text{ at } U_{\text{Test}} = 500 \text{ V}$$

Measuring time: $\geq 1 \text{ s}$, (Fig. 1)

Comment: On product conforming to the Safety class II the Insulation Resistance can be $< 2 \text{ M}\Omega$, dependent conductively on discharge resistors. In this cases, the check of the leakage current is significant.

- **Measurement of the Leakage Current to VDE 0701.**

Connect the Leakage Current Meter ($U_{\text{Test}} = 220 \text{ V}$) to both mains poles simultaneously and between all cabinet or functional parts (antenna, sockets, buttons, screws, etc.) mad from metal or metal alloy. The product is fault free if:

$$I_{\text{Leak}} \leq 1 \text{ mA at } U_{\text{Test}} = 220 \text{ V}$$

Measuring time: $\geq 1 \text{ s}$, (Fig. 2)

- We recommend that the measurements are carried out using the METRATESTER 3. (Test equipment for checking electrical products to VDE 0701).

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- If the safety of the product is not proved, because

- a repair and restoration is impossible
- or the request of the user is that the restoration is not to be carried out, the operator of the product must be warned of the danger by a written warning.

Recommendation for service repairs

- Use only original spare parts.

With components or assemblies accompanied with the Safety Symbol  only original-spare parts are strictly to be used.

- Use only original fuse value.

- Safety compliance, parts of the product must not be visually damaged or unsuitable. This is valid especially for insulators and insulating parts.

- Mains leads and connecting leads should be checked for external damage before connection. Check the insulation!

- The functional safety of the tension relief and bending protection bushes are to be checked:

- Thermally loaded solder pads are to be suck off and re-soldered.

- Ensure that the ventilation slots are not obstructed.

F

Prescriptions de sécurité

Suite aux travaux de maintenance sur les appareils de la classe II, il convient de mesurer la résistance d'isolement et le courant de fuite sur l'appareil en état de marche, conformément à la norme VDE 0701 § 200, ou selon les prescriptions en vigueur sur le lieu de fonctionnement de l'appareil!

Cet appareil est conforme aux prescriptions de sécurité classe II, signalé par le symbole .

- **Mesure de la résistance d'isolement selon VDE 0701**

Brancher un appareil de mesure d'isolation ($U_{\text{test}} = 500 \text{ V}$) simultanément sur les deux pôles secteur et entre toutes les parties métalliques ou métallisées accessibles de l'appareil (antenne, embases, touches, enjoliveurs, vis, etc.). Le fonctionnement est correct lorsque:

$$R_{\text{isol}} \geq 2 \text{ M}\Omega \text{ pour une } U_{\text{test}} : 500 \text{ V}$$

Durée de la mesure: $\geq 1 \text{ s}$

Observations: L'isolation des appareils de la classe II, de part leur conception résistance de décharge), peut être intérieur à $< 2 \text{ M}\Omega$, (Fig. 1).

- **Mesure du courant de fuite selon VDE 0701**

Brancher un ampèremètre du courant de fuite ($U_{\text{test}} = 220 \text{ V}$) simultanément sur les deux pôles du secteur et entre toutes les parties métalliques ou métallisées accessibles de l'appareil (antenne, embases, touches, enjoliveurs, vis, etc.). Le fonctionnement est correct lorsque (Fig. 2):

$$I_{\text{fuite}} \leq 1 \text{ mA pour } U_{\text{test}} : 200 \text{ V}$$

Durée de la mesure $\geq 1 \text{ s}$.

- Pour ces mesures, nous préconisons l'utilisation du METRATESTER 3 (instrument de mesure pour le contrôle d'appareils électriques conformes à la norme VDE 0701).

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- Dans le cas où la sécurité de l'appareil n'est pas assurée pour les raisons suivantes:

- la remise en état est impossible
- l'utilisateur ne souhaite pas la remise en état de l'appareil. l'utilisateur doit être informé par écrit du danger que représente l'utilisation de l'appareil.

Recommendations pour la maintenance

- Utiliser exclusivement des pièces de recharge d'origine. Les composants et ensembles de composants signalés par le symbole  doivent être impérativement remplacés par des pièces d'origine.

- Respecter la valeur nominale des fusibles.

- Veiller au bon état et la conformité des pièces contribuant à la sécurité de fonctionnement de l'appareil. Ceci s'applique particulièrement aux isolements et pièces isolantes.

- Vérifier le bon état extérieur des câbles secteur et des câbles de raccordement au point de vue isolement avant la mise sous tension.

- Vérifier le bon état des protections de gaine.

- Nettoyer les soudures avant de les renouveler.

- Dégager les voies d'aération.

I

Norme di sicurezza

Successivamente ai lavori di riparazione, negli apparecchi della classe di protezione II occorre effettuare la misura della resistenza di isolamento e della corrente di dispersione quando l'apparecchio è acceso, secondo le norme VDE 0701 / parte 200 e rispettivamente le norme locali!

Questo apparecchio corrisponde alla classe di protezione II ed è riconoscibile dal simbolo .

● Misura della resistenza di isolamento secondo VDE 0701

Applicare il misuratore di isolamento (tens. prova = 500 V-) contemporaneamente ai due poli di rete e tra tutte le parti del mobile e delle funzioni (antenna, prese, tasti, mascherine, viti ecc.) in metallo o in lega metallica. L'apparecchio non presenta difetti quando:

$$R_{\text{isol}} \geq 2 \text{ M}\Omega \text{ con tens. prova} = 500 \text{ V-}$$

Tempo di misura: $\geq 1 \text{ s}$ (Fig. 1).

Nota: Negli apparecchi della classe II, che per motivi costruttivi dispongono di resistenze di dispersione, il valore di misura della resistenza di isolamento può essere inferiore a $< 2 \text{ M}\Omega$. In questi casi è determinante la misura della corrente di dispersione.

● Misura della corrente di dispersione secondo VDE 0701

Applicare il misuratore di isolamento (tens. prova = 220 V-) contemporaneamente ai due poli di rete e tra tutte le parti del mobile e delle funzioni (antenna, prese, tasti, mascherine, viti ecc.) in metallo o in lega metallica. L'apparecchio non presenta difetti quando:

$$I_{\text{disp.}} \leq 1 \text{ mA con tens. prova} = 220 \text{ V-}$$

Tempo di misura: $\geq 1 \text{ s}$ (Fig. 2).

- Si raccomanda di effettuare le misure con lo strumento METRATESTER 3 (strumento di misura per il controllo di apparecchi elettrici secondo VDE 0701).

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- Se la sicurezza dell'apparecchio non è raggiunta, perché
 - una riparazione non è possibile
 - oppure è desiderio del cliente che una riparaz. non avvenga in questi casi si deve comunicare per iscritto all'utilizzat. la pericolosità dell'apparecchio riguardo il suo isolamento.

Raccomandazione per il servizio assistenza

- Impiegare solo componenti originali:
I componenti o i gruppi di componenti contraddistinti dall' indicaz.  devono assolutamente venir sostituiti con parti originali.
- Osservare il valore nominale dei fusibili.
- I componenti che concorrono alla sicurezza dell'apparecchio non possono essere né danneggiati né risultare visibilmente inadatti. Questo vale soprattutto per isolamenti e parti isolate.
- I cavi di rete e di collegamento vanno controllati prima dell'utilizzo affinché non presentino imperfezioni esteriori. Controllare l'isolamento.
- E' necessario controllare la sicurezza dei fermacavi e delle guaine flessibili.
- Saldature caricate termicam. vanno rifatte.
- Lasciare libere le fessure di areazione.

E

DISPOSICIONES PARA LA SEGURIDAD

Después de operaciones de servicio en aparatos de la clase de protección II, se llevará a cabo la medida de la resistencia de aislamiento y de la corriente derivada, con el aparato conectado, de acuerdo con VDE 0701 o de las disposiciones vigentes en el lugar de instalación.

Este aparato corresponde a la clase de protección II, reconocible por el símbolo .

● Medida de la resistencia de aislamiento según VDE 0701.

Aplicar el medidor de aislamiento ($U_{\text{prueba}} = 500 \text{ V-}$), simultáneamente, a los dos polos de red y entre todas las partes del mueble o de funciones (antena, conectores, teclas, tornillos, etc.) de metal o aleaciones metálicas. El aparato estará libre de defectos con:

$$R_{\text{aisl}} \geq 2 \text{ M}\Omega \text{ con } U_{\text{prueba}} = 500 \text{ V-}$$

Tiempo de medida $\geq 1 \text{ seg.}$

Observación: En aparatos de la clase de protección II, condicionado por la construcción y por resistencias de descarga, el valor de medida de la resistencia de aislamiento puede ser superior a $< 2 \text{ M}\Omega$. En este caso es decisiva la medida de la corriente derivada (Fig.1).

● Medida de la corriente derivada de acuerdo con VDE 0701.

Aplicar el medidor de corriente derivada ($U_{\text{prueba}} = 220 \text{ V-}$) simultáneamente a los dos polos de red y entre todas las partes del mueble o de funciones (antena, conectores, teclas, tornillos, etc.) de metal o aleaciones metálicas. El aparato estará libre de defectos con (Fig.2):

$$I_{\text{deriv.}} \leq 1 \text{ mA con } U_{\text{prueba}} = 220 \text{ V-}$$

Tiempo de medida: $\geq 1 \text{ seg.}$

- Aconsejamos llevar a cabo las medidas con el METRATESTER 3 (Instrumento de medida para la comprobación de aparatos eléctricos según VDE 0701).

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- Si no se cumple la seguridad del aparato, porque
 - la puesta en orden es imposible, o
 - existe el deseo del usuario de no realizarla, se ha de comunicar a quien lo haga funcionar, por escrito, del peligro manejante del aparato.

Recomendaciones para caso de servicio

- Emplear sólo componentes originales.
Con componentes o grupos constructivos con el indicativo de seguridad  son de obligada necesidad piezas de repuesto originales.
- Las partes del aparato que contribuyan a la seguridad del mismo no deben estar deterioradas ni ser manifiestamente inadecuadas.
- Esto es especialmente válido para aislamientos o piezas aislantes.
- Los cables de red y de conexión se comprobarán, antes de conectarlos, en cuanto a defectos externos. Comprobar el aislamiento.
- Se ha de comprobar la función de seguridad de la compensación de tiro o de los mangos de protección contra doblamientos.
- Repasar los puntos de soldadura sometidos a carga térmica.
- Mantener libres los canales aireación.

Ausbauhinweise

Gehäuseoberteil

- AM Antenne abnehmen.
- 5 Schrauben a herausschrauben.

Lampenplatte

- 2 Schrauben b herausschrauben.

HF-Platte

- Lampenplatte losschrauben.
- 4 Schrauben c herausschrauben.
- 4 Schrauben d herausschrauben.
- Steckverbindungen lösen.

NF-Platte

- HF-Platte ausbauen.
- Tastenverlängerungen aushängen.
- 3 Schrauben e herausschrauben und Stützen entnehmen.
- Schraube f herausschrauben.
- 9 Schrauben g herausschrauben.
- Steckverbindungen lösen.
- Die restlichen Leitungen ablöten.

Displayplatte

- HF-Platte ausbauen.
- 7 Schrauben h herausschrauben.

Schiebereglerplatte

- HF-Platte ausbauen.
- 2 Schrauben i herausschrauben.
- Leitungen ablöten.
- Beim Einbau darauf achten, daß die Regler in die Reglerknöpfe einrasten.

Lautstärkereglerplatte

- HF-Platte ausbauen.
- Drehknopf abziehen.
- Mutter abschrauben.

Frontblende abnehmen

- HF-Platte ausbauen.
- 4 Schrauben k herausschrauben.

Kopfhörerbuchsenplatte

- Frontblende abnehmen.
- Kopfhörerbuchsenplatte abschrauben.

Netzschalter

- Frontblende abnehmen.
- Netzschalter abschrauben.

Trafo und Netzteilplatte ausbauen

- Netzkabel und Verbindung zum Netzschatzer an der Trafoplatte abziehen.
- Halteclip l öffnen und Stabi-Platte vom Kühlblech abnehmen.
- 3 Schrauben m herausschrauben.
- 4 Schrauben n herausschrauben.
- Steckverbindungen lösen.
- Trafo und Netzteilplatte herausnehmen.
- 2 Schrauben o herausschrauben.

Disassembly Instructions

Cabinet Top

- Remove the AM antenna.
- Unscrew 5 screws a.

Lamp Circuit Board

- Unscrew two screws b.

RF Board

- Remove the lamp circuit board.
- Unscrew 4 screws c.
- Unscrew 4 screws d.
- Disconnect the plug-in connections.

AF Board

- Remove the RF board.
- Unhook the button extension pieces.
- Unscrew three screws e and remove the supports.
- Unscrew screw f.
- Unscrew 9 screws g.
- Disconnect the plug-in connections.
- Unsolder the residual connections.

Display Board

- Remove the RF board.
- Unscrew 7 screws h.

Sliding Potentiometer Board

- Remove the RF board.
- Unscrew two screws i.
- Unsolder the connections.
- When reassembling take care that the potentiometers engage with the knobs.

Volume Potentiometer Board

- Remove the RF board.
- Pull off the rotary knob.
- Unscrew the hexagonal nut.

Front

- Remove the RF board.
- Unscrew 4 screws k.

Headphone socket board

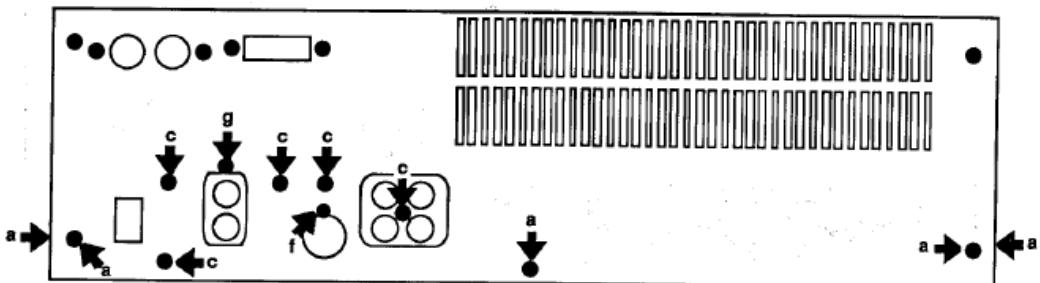
- Remove the front.
- Unscrew the headphone socket board.

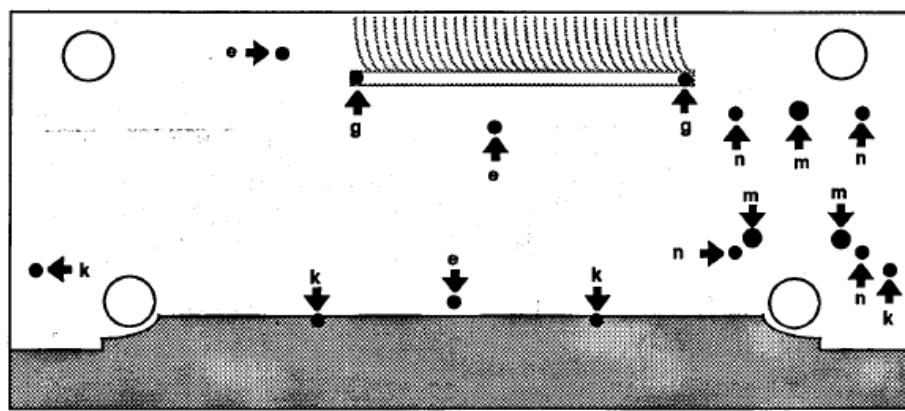
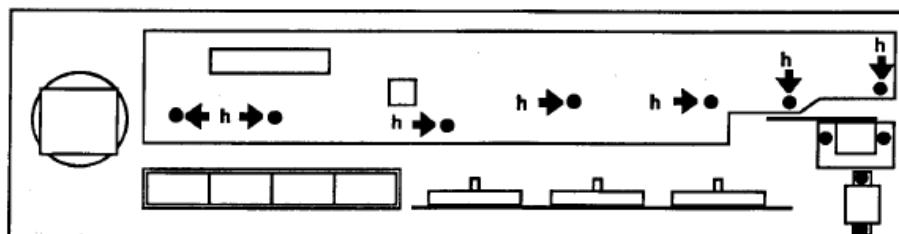
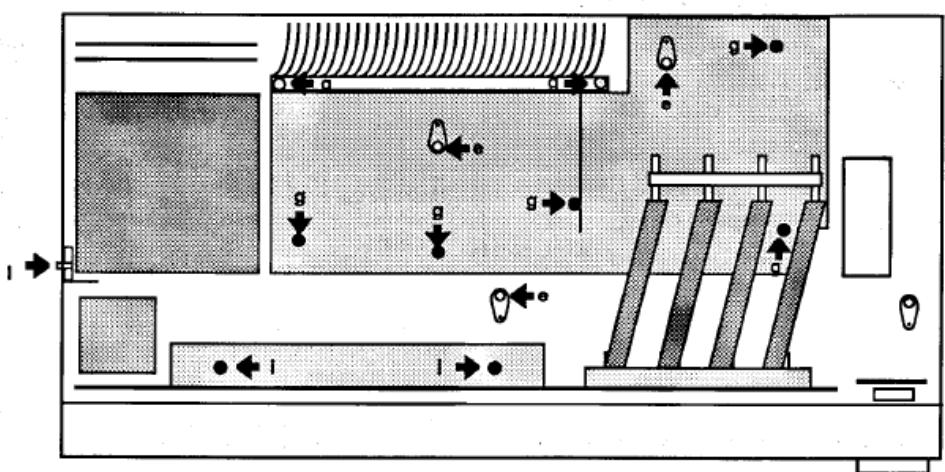
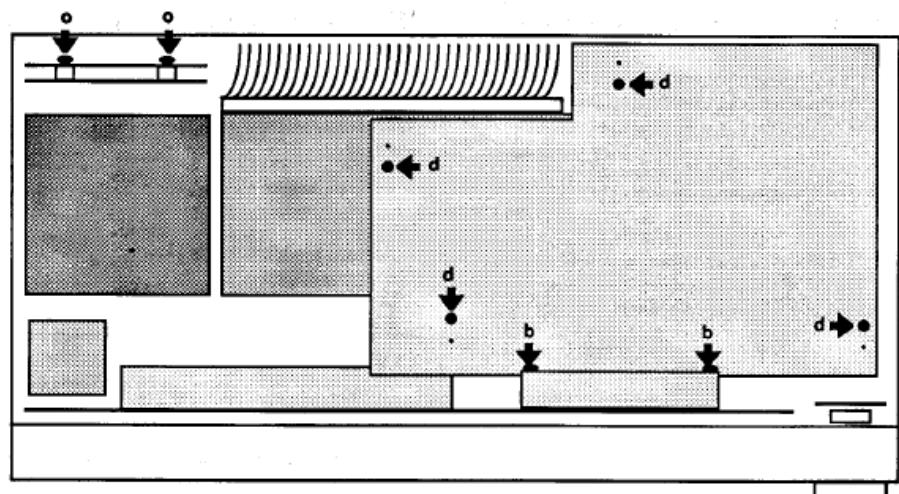
Mains switch

- Remove the front.
- Unscrew the mains switch.

Transformer and Mains board

- Disconnect the mains cable and the connection to the mains switch on the transformer board.
- Open the holder l and remove the stabilization board from the cooling plate.
- Unscrew three screws m.
- Unscrew 4 screws n.
- Disconnect the plug-in connections.
- Remove the transformer and the mains board.
- Unscrew two screws o.





GRUNDIG ERSATZTEILLISTE

HIFI

(GB) List of Spare- Parts
(F) Liste de pièces détachées

(I) Lista ricambi
(E) Lista de piezas de repuestos

(D) Btx ,32700 #

R 4200 MK II

SACH-NR. 9.55109-8151

Pos. Nr. Pos. No.	Abb Nr. Fig. No.	Sachnummer Part.No. Références No. ordine	Anz.	BEZEICHNUNG (D) DESIGNATION (E)	DESCRIPTION (GB) DENOMINACION (E)	DENOMINAZIONE (I)
0001.000		55109-500.01		BEDIENTEIL KPL. ELEMENTS DE COMMANDE	OPERATING CONTROL UNIT GRUPO DE MANDOS CPL.	SEZIONE COMANDI
0002.000		55109-250.01		TASTENKAPPE 2 DRUCK CAPUCHON DE TOUCHE	KEY CAP II PRINT CAPUCHON DE TECLA	CAPPA TASTO
0003.000		55109-251.01		TASTENKAPPE 2 DRUCK CAPUCHON DE TOUCHE	KEY CAP CAPUCHON DE TECLA	CAPPA TASTO
0004.000		55082-203.01	3X	SCHIEBER POUSSOIR	SLIDER CORREDERA, CURSOR	CURSORE
0005.000		55109-204.01	3X	SCHIEBEKAPPE EMBOUT A GLISIERE	SLIDER CAP TAPON REMOVIBLE	CAPPA SCORREVOLI
0006.000		59400-320.00		NETZSCHALTER INTER SECTEUR	SWITCH COMUTADOR DE RED	INTERRUTTORE DI RETE
0007.000		59800-772.02		NETZTASTE TOUCHE SECTEUR	MAINS BUTTON; TECLA INTERRUPTOR RED	TASTO DI RETE
0008.000		09671-033.04		DREHKNOPF BOUTON	ROTARY KNOB BOTON GIRATORIO	MANOPOLA
0009.000		55082-211.00	4X	TASTENKOERPER CORPS DE TOUCHE	BUTTON BODY CUERPO DE TECLA	CORPO TASTO
0010.000		55082-210.01	4X	TASTENKAPPE CAPUCHON DE TOUCHE	KEY CAP CAPUCHON DE TECLA	CAPPA TASTO
0011.000		55099-205.00		REFLEKTOR REFLECTEUR	REFLECTOR REFLECTOR	RIFLETTORE
0012.000		09667-034.01	5X	KLEMMSTUECK PINCE	CLAMP PART PIEZA DE SUJECCION	PEZZO DI FISSAGGIO
0013.000		09667-041.03	2X	KLEMMSTUECK PIECE DE SERRAGE	CLAMP PART PIEZA DE SUJECCION	PEZZO DI FISSAGGIO
0014.000		55082-220.00	5X	ABSTANDSHALTER ENTRETOISE DE MAINTIEN	DISTANCE HOLDER SOPORTE SEGURIDAD	DISTANZIATORE
0015.000		55061-018.00	4X	FUSS II PIED	FOOT PIE II PLASTICO PARA PATA	PIEDINO
0016.000		59800-113.01		BATTERIEKASTEN KPL. BOITIER PILES	BATTERY CASE CAJA PORTAPILES	VANO BATTERIE
0017.000		59800-099.01		BATTERIEDECKEL COUVERCLE PILES	BATTERY COVER TAPA PLASTICO PORTAPILES	COPERCHIO BATTERIE
0018.000		8290-991-201		NETZKABEL M-STECKERBUCHSE CABLE SECTEUR	POWER CABLE W. PLUG CABLE DE RED	CAVO DI RETE
0019.000		09666-449.00		NETZKABEL-ZUGENTLASTERUNG CABLE DE RESEAU	UNLOADING RETEL PLASTICO	FERMACAVO CAVO-RETE
0020.000		59600-072.00		AERIAL-HOLDER SUPPORT ANTENNE	AERIAL-HOLDER SOPORTO ANTENA	SUPPORTO ANTENNA
0021.000		59400-305.00	16X	TIPTASTE (KHH 10910) TOUCHE	PUSH BUTTON PULSADOR	MICROTASTO
0022.000		59709-049.01		WURFANTENNE KPL. ANTENNE VOLANTE	ANTENNE CABLE DE ANTENA CON	ANTENNA A FILO
0023.000		55110-210.00		ARIAL SELECTOR ARIAL SELECTOR	ARIAL SELECTOR SELECTOR DE ANTENA	SELETTORE ATENNA
0024.000		59600-071.00		AM-LOOP-AERIAL ANTENNE VOLANTE	AM-LOOP-AERIAL CABLE DE ANTENA CON	ANTENNA A FILO
0025.000		09623-390.00		CINCHBUCHSE 4-FACH EMBASE CINCH QUADRUPLE	CINCH SOCKET PLACA CONECTORES CINCH	PRESA CINCH
0026.000		09626-820.00		MEHRFACHBUCHSE 8 POL. EMBASE MUTIPLE	MULTI SOCKET 8 POLES BASE CONEXION 8 POLOS	PRESA MUTIPLA 8 POL.

ÄNDERUNGEN VORBEHALTEN - ALTERNATIONS RESERVED - CON RISERVA DI MODIFICHE - TOUS DROITS DE MODIFICATIONS RESERVES - CON RESERVA DE MODIFICACIONES

Pos. Nr., Pos. No.	Abb. Nr. Fig. No.	Sachnummer Part number Références No. ordine	Anz.	BEZEICHNUNG ^(D) DESIGNATION ^(F)	DESCRIPTION ^(GB) DENOMINACION ^(E)	DENOMINAZIONE ^(I)
0027.000		09623-327.01		CINCHBUCHSE 2-FACH EMBASE CINCH DOUBLE	CINCH SOCKET PLACA CONECTORES "CINCH"	PRESA CINCH
0028.000		59400-340.00		SCHALTERLEISTE 4-FACH CLAVIER	SWITCH CLEAT REGLETA DE COMUTADOR	CONTATTIERA
0029.000		09621-113.02	8 X	SICHERUNGSHALTER CONTACT DE FUSIBLE	FUSE HOLDER PZA.METAL.P.PORTAFUSIBILE	SUPPORTO FUSIBILE
0030.000		09621-145.00		STEREO-KOPFHÖRERBUCHSE EMBASE CASQUE	STEREO-HEADPHONE SOCKET BASE AURICULAR STEREO	PRESA CUFFIA STEREO
0031.000		09621-162.00		FEDERKLEMME 4-FACH PINCE A RESSORT	SPRING CLIP PINCA DE RESORTE	AGGANCIO MOLLA
0032.000		09621-236.01		PUSH-TERMINAL RACCORDEMENT	PUSH TERMINAL PUSH TERMINAL	TERMINALE A PRESSORE
0034.000		09621-113.02	4 X	SICHERUNGSHALTER CONTACT DE FUSIBLE	FUSE HOLDER PZA.METAL.P.PORTAFUSIBILE	SUPPORTO FUSIBILE
0035.000		09092-001.01		NETZTRAFO 220V TRANSFORMATEUR SECTEUR	MAINS TRANSFORMER TRANSFORMADOR DE RED	TRASFORMATORE DI RETE
0997.000		55109-941.01		BEDIENUNGSANLEITUNG MODE D'EMPLOI	INSTRUCTION MANUAL MANUAL DE MANEJO	INSTRUZIONI D'USO
0999.998		72010-710.90		SERVICE MANUAL INSTRUCTIONS DE SERVICE	SERVICE MANUAL MANUAL DE SERVICIO	MANUALE DI SERVIZIO

ÄNDERUNGEN VORBEHALTEN - ALTERNATIONS RESERVED - CON RISERVA DI MODIFICHE - TOUS DROITS DE MODIFICATIONS RESERVES - CON RESERVA DE MODIFICACIONES

R 4200 MK II

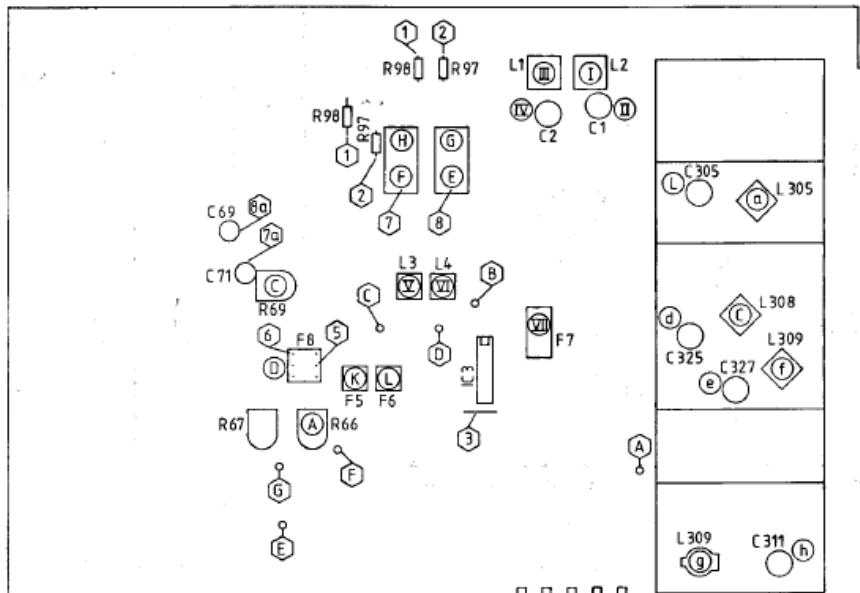
Pos. Nr. Pos. No.	Sachnummer Part number Références No. ordine	BEZEICHNUNG DESCRIPTION DENOMINAZIONE DESIGNATION DENOMINACION	(D) (GB) (I) (F) (E)	Pos. Nr. Pos. No.	Sachnummer Part number Références No. ordine	BEZEICHNUNG DESCRIPTION DENOMINAZIONE DESIGNATION DENOMINACION	(D) (GB) (I) (F) (E)
C 1	8699-999-356	TR.15 7,5/50PF VCT 56		D 525	8302-212-243	TRANS.SATZ BD 243B/244B	
C 2	8699-999-345	TR.13 4,5/20PF VCT 56		D 804	8309-215-104	DIODE 1 N 4002	-GA
C 311	8699-999-335	TR.12 3/10PF VCT 56		D 805	8309-215-104	DIODE 1 N 4002	-GA
C 549	8446-797-139	ELKO 3300UF 40V		D 806	8309-215-104	DIODE 1 N 4002	-GA
C 551	8446-797-139	ELKO 3300UF 40V		D 808	8309-215-104	DIODE 1 N 4002	-GA
C 812	8410-635-003	ELKO AX 2200UF 40V		D 809	8309-215-104	DIODE 1 N 4002	-GA
C 901	8684-365-033	EGPU/ESPU 5 2200PF 10%		D 811	8309-215-104	DIODE 1 N 4002	-GA
C 1001	8660-197-048	SI-KERKO.(A) 4700PF 20%		DP 101	09623-413.00	LC-DISPLAY	
D 1	8309-215-043	DIODE 1 N 4151 VAL/TFK/		F 7	19203-124.14	AM-ZF SFL 450 J3	
D 2	8309-215-043	DIODE 1 N 4151 VAL/TFK/		F 5	07202-730.10	FM-DEM.II	
D 3	8309-217-321	DIODE SVC 321 SP-A/B/C/D		F 6	07202-729.10	FM-DEM.I	
D 12	8309-215-043	DIODE 1 N 4151 VAL/TFK/		F 8	19202-705.12	NACHBARKANALFILTER	
D 13	8309-215-043	DIODE 1 N 4151 VAL/TFK/		F 9	19202-704.12	PILOTFILTER LPF-V20	
D 14	8309-215-043	DIODE 1 N 4151 VAL/TFK/		F 1,2,3	19203-126.97	KERAMIKF.SATZ 2XSFE 10,7	
D 15	8309-215-043	DIODE 1 N 4151 VAL/TFK/					
D 16	8309-215-043	DIODE 1 N 4151 VAL/TFK/					
D 17	8309-215-043	DIODE 1 N 4151 VAL/TFK/					
D 18	8309-215-043	DIODE 1 N 4151 VAL/TFK/					
D 19	8309-215-043	DIODE 1 N 4151 VAL/TFK/					
D 20	8309-215-043	DIODE 1 N 4151 VAL/TFK/					
D 7	8309-215-043	DIODE 1 N 4151 VAL/TFK/					
D 8	8309-215-043	DIODE 1 N 4151 VAL/TFK/					
D 9	8309-215-043	DIODE 1 N 4151 VAL/TFK/					
D 101	8309-720-028	Z DIODE 2,7 B 0,5W					
D 102	8309-215-152	DIODE 1 N 4151 VAL/ITT/					
D 103	8309-198-542	DIODE BAT 42/BAT 43 THO					
D 104	8309-215-152	DIODE 1 N 4151 VAL/ITT/					
D 105	8309-215-152	DIODE 1 N 4151 VAL/ITT/					
D 106	8309-215-152	DIODE 1 N 4151 VAL/ITT/					
D 107	8309-215-152	DIODE 1 N 4151 VAL/ITT/					
D 108	8309-215-152	DIODE 1 N 4151 VAL/ITT/					
D 109	8309-215-152	DIODE 1 N 4151 VAL/ITT/					
D 110	8309-215-152	DIODE 1 N 4151 VAL/ITT/					
D 111	8309-924-723	LE DIODE GL-8 HY23 SHARP					
D 112	8309-924-723	LE DIODE GL-8 HY23 SHARP					
D 113	8309-924-723	LE DIODE GL-8 HY23 SHARP					
D 114	8309-924-723	LE DIODE GL-8 HY23 SHARP					
D 307	8309-251-310	DIODE KV 1310					
D 308	8309-251-310	DIODE KV 1310					
D 309	8309-251-310	DIODE KV 1310					
D 311	8309-251-310	DIODE KV 1310					
D 501	8309-215-043	DIODE 1 N 4151 VAL/TFK/					
D 503	8309-720-082	Z DIODE 8,2 C 0,5W					
D 504	8309-215-401	DIODE 1 N 5401 G GI/FAG					
D 508	8309-215-104	DIODE 1 N 4002 -GA					
D 513	8309-215-006	DIODE 1 N 4001 -GA					
D 801	8309-721-075	Z DIODE 30 C 1,3W					
D 802	8309-721-075	Z DIODE 30 C 1,3W					
D 803	8309-215-104	DIODE 1 N 4002 -GA					
D 807	8309-215-104	DIODE 1 N 4002 -GA					
D 308	8309-251-310	DIODE KV 1310					
D 309	8309-251-310	DIODE KV 1310					
D 311	8309-251-310	DIODE KV 1310					
D 502	8309-215-043	DIODE 1 N 4151 VAL/TFK/					
D 509	8309-215-104	DIODE 1 N 4002 -GA					
D 511	8309-215-104	DIODE 1 N 4002 -GA					
D 512	8309-215-104	DIODE 1 N 4002 -GA					

ÄNDERUNGEN VORBEHALTEN - ALTERNATIVES RESERVED - CON RISERVA DI MODIFICHE - TOUS DROITS DE MODIFICATIONS RESERVES - CON RESERVA DE MODIFICACIONES

R 4200 MK II

Pos. Nr. Pos. No.	Sachnummer Part number Références No. ordine	BEZEICHNUNG DESCRIPTION DENOMINAZIONE DESIGNATION DENOMINACION	(D) (GB) (I) (F) (E)	Pos. Nr. Pos. No.	Sachnummer Part number Références No. ordine	BEZEICHNUNG DESCRIPTION DENOMINAZIONE DESIGNATION DENOMINACION	(D) (GB) (I) (F) (E)
R 66	8790-050-064	ESTR.SK10-A 100 KOHM LIN		T 12	8302-638-030	TRANS.2 SK 30 A-TM-Y1	
R 323	8766-701-041	KSW SI A 47 OHM 5% -GA		T 13	8303-406-240	TRANS.BF 240	
R 327	8766-701-041	KSW SI A 47 OHM 5% -GA		T 15	8303-205-558	TRANS.BC 558 B	
R 332	8766-701-027	KSW SI A 12 OHM 5% -GA		T 16	8303-205-548	TRANS.BC 548 B	
R 552	8700-229-073	KSW AX 0207-GA NB		T 17	8303-205-548	TRANS.BC 548 B	
R 562	8700-229-049	KSW AX 0207-GA NB		T 24	8303-205-548	TRANS.BC 548 B	
R 579	8790-009-036	ESTR.S 10 100 OHM		T 101	8303-205-548	TRANS.BC 548 B	
R 587	8790-009-036	ESTR.S 10 100 OHM		T 102	8303-205-548	TRANS.BC 548 B	
R 598	8700-229-057	KSW AX 0207-GA NB		T 103	8303-273-337	TRANS.BC 337-25	
R 603	8765-097-985	MSW AX 0207-GA 0,22 OHM		T 301	8302-991-044	FE-TRANS.2 SK 544 E	
R 606	8765-097-985	MSW AX 0207-GA 0,22 OHM		T 302	8302-220-984	TRANS.BF 982-I LV3381	
R 607	8705-269-025	MOW AX 0617-GA 10 OHM		T 303	8302-220-025	TRANS.BF 240 SIE/VAL	
R 804	8705-279-067	MOW AX 0922-GA 560 OHM		T 304	8302-991-044	FE-TRANS.2 SK 544 E	
				T 305	8303-406-240	TRANS.BF 240	
				T 306	8303-406-240	TRANS.BF 240	
				T 501	8302-200-554	TRANS.BC 550 C	
				T 502	8302-200-554	TRANS.BC 550 C	
				T 503	8302-200-554	TRANS.BC 550 C	
				T 504	8302-200-554	TRANS.BC 550 C	
				T 505	8302-200-595	TRANS.BC 550 B	
				T 507	8303-205-548	TRANS.BC 548 B	
				T 508	8302-200-540	TRANS.BC 546 B	
				T 509	8302-200-540	TRANS.BC 546 B	
				T 511	8302-200-540	TRANS.BC 546 B	
				T 512	8302-200-540	TRANS.BC 546 B	
				T 513	8302-201-557	TRANS.BC 556 B	
				T 514	8302-201-557	TRANS.BC 556 B	
				T 517	8302-200-639	TRANS.BC 639	
				T 518	8302-200-640	TRANS.BC 640 SIE/VAL	
				T 519	8302-200-640	TRANS.BC 640 SIE/VAL	
				T 801	8302-200-637	TRANS.BC 637 VAL/TFK	
				T 522	8302-212-243	TRANS.SATZ BD 243B/244B	
				T 523	8302-212-243	TRANS.SATZ BD 243B/244B	
				T 524	8302-212-243	TRANS.SATZ BD 243B/244B	
				T 525	8302-212-243	TRANS.SATZ BD 243B/244B	
				T515 M.	8302-200-547	TRANS.BC 548 C	
				UP 101	8305-208-724	IC M 50723-998 FP	

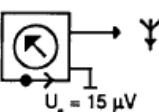
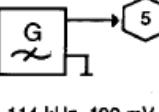
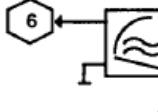
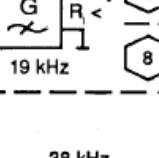
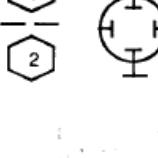
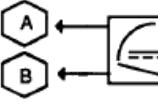
ÄNDERUNGEN VORBEHALTEN - ALTERNATIVES RESERVED - CON RISERVA DI MODIFICHE - TOUS DROITS DE MODIFICATIONS RESERVES - CON RESERVA DE MODIFICACIONES



D GB F I E

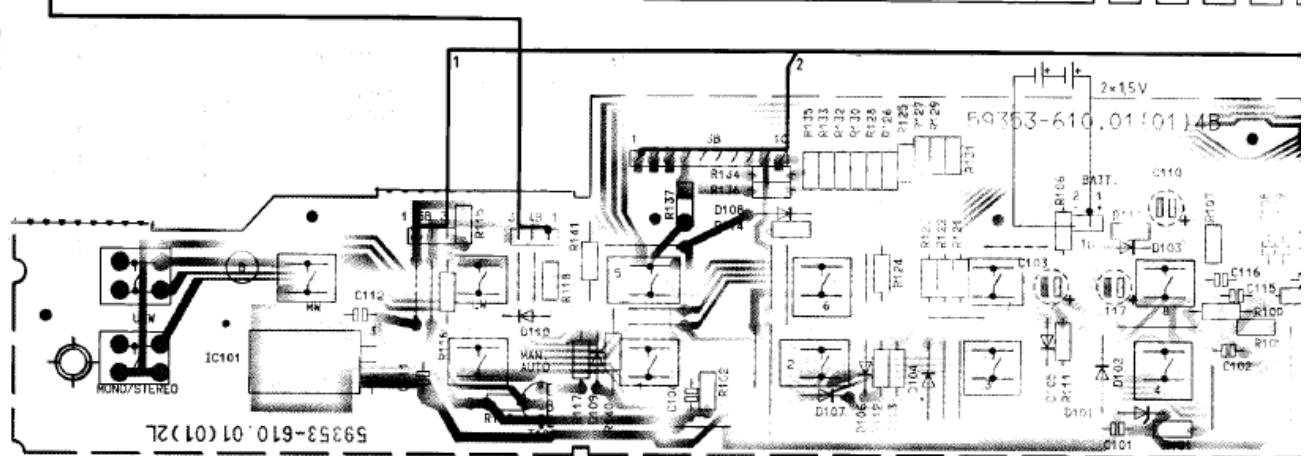
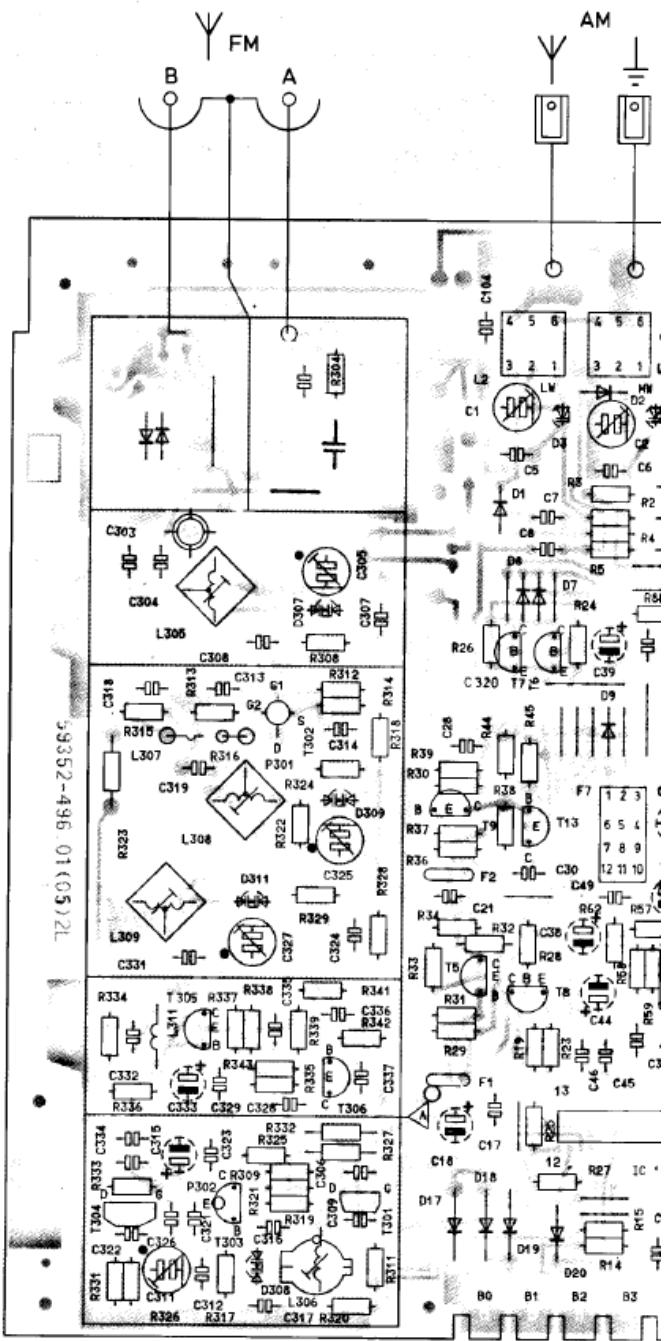
• Abgleich • Alignment • Alignement • Taratura • Ajuste	• Einspeisung • Feeding • Injection • Alimentazione • Aplicación de señal	• Meßpunkt • Testpoint • Point de mesure • Punto di misura • Punto de medida	• Hinweise • Notes • Observation • Note • Advertencias	• Band • Band • Bande • Gamma • Banda	f	• Abgleichpunkt • Alignment point • Point d'alignement • Punto di taratura • Punto de ajuste	• Einstellung • Adjustment • Réglage • Regolazione • Ajuste
• Oszillator • Oscillator • Oscillateur • Oscillatore • Oscilador				FM	108 MHz	(h)	8,5 V
					87,5 MHz	(g)	2,5 V
					MW 522 kHz	(VI)	1,0 V
					LW 153 kHz	(V)	1,8 V
• Vor-u. Zwischenkreis • Aerial band pass cct. • Circuits préliminaire et intermédiaire • Circuito ingresso ed intermedio • Circuitos de antena e intermedio	<p>$U_s < ; \Delta f = 40 \text{ kHz}$ $f_{med} = 1 \text{ kHz}$</p>			FM	106 MHz	(b) (d) (e)	max.
					88 MHz	(a) (c) (f)	max.
					MW 1449 kHz	(IV)	max.
					558 kHz	(III)	max.
					LW 261 kHz	(II)	max.
	<p>$U_s < ; m = 30 \%$ $f_{med} = 1 \text{ kHz}$</p>			FM	108 MHz	(i)	max.
						(k)	min.
					MW 1449 kHz	(VII)	max.
• ZF • IF • FI • FI • FI	<p>• Abgleich nach Rauschen • Alignment by noise • Réglage au maximum de bruit • Taratura in base al fruscio • Ajuste según el ruido</p>			FM	108 MHz	(i)	max.
						(k)	min.
					MW 1449 kHz	(VII)	max.
• Stereo-Übersprechdämpfung • Stereo crosstalk attenuation • Atténuation de la diaphonie • Attenuazione della diafonia stereo • Atenuación de diafonía stereo	<p>G ∞ $\rightarrow \downarrow$ L mod. 19 kHz Pilot</p>			FM			
R mod.						(1) = (2)	<ul style="list-style-type: none"> • Minimum • Minimum • Minimum • Minimo • Mínimo

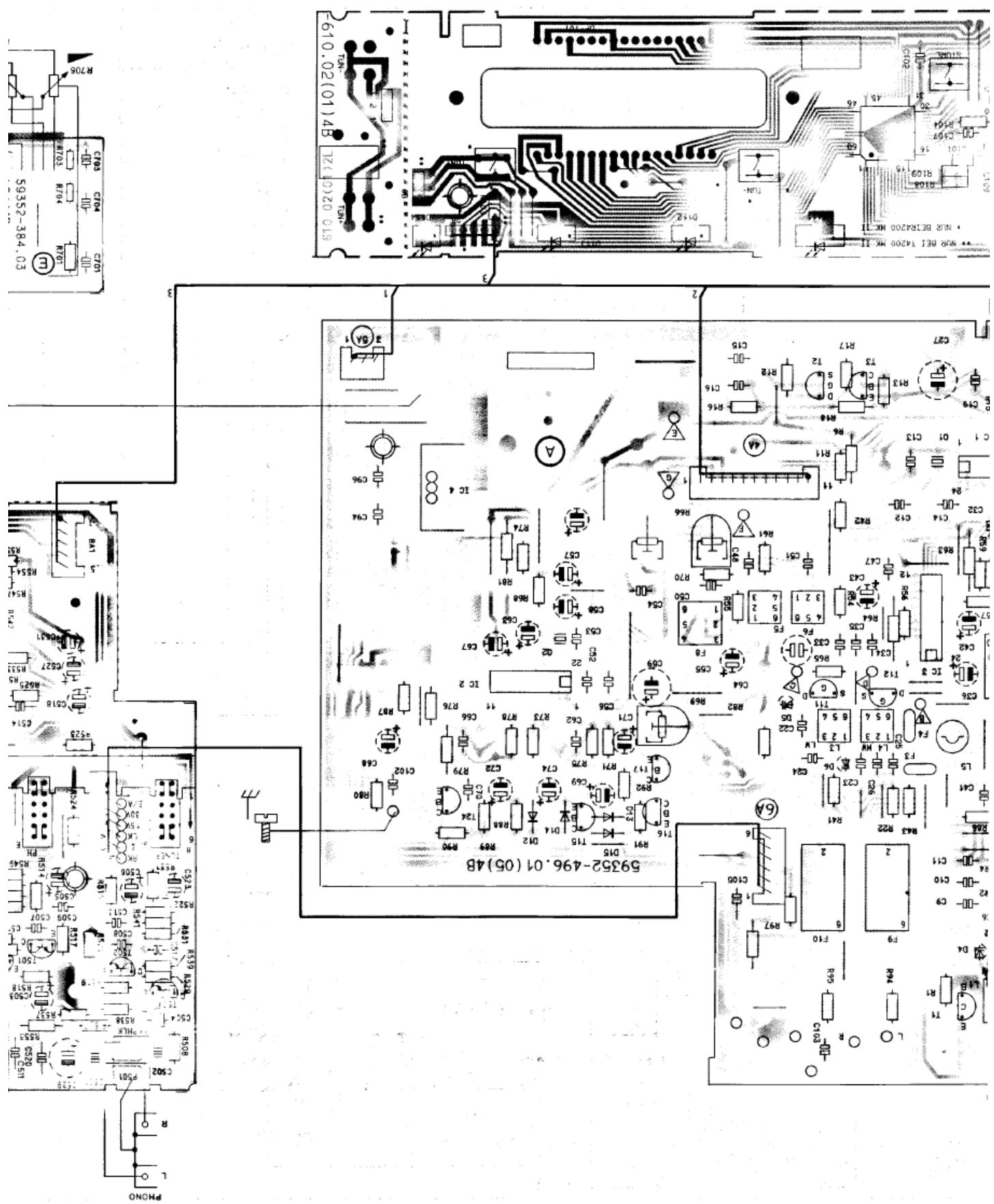
D GB F I E

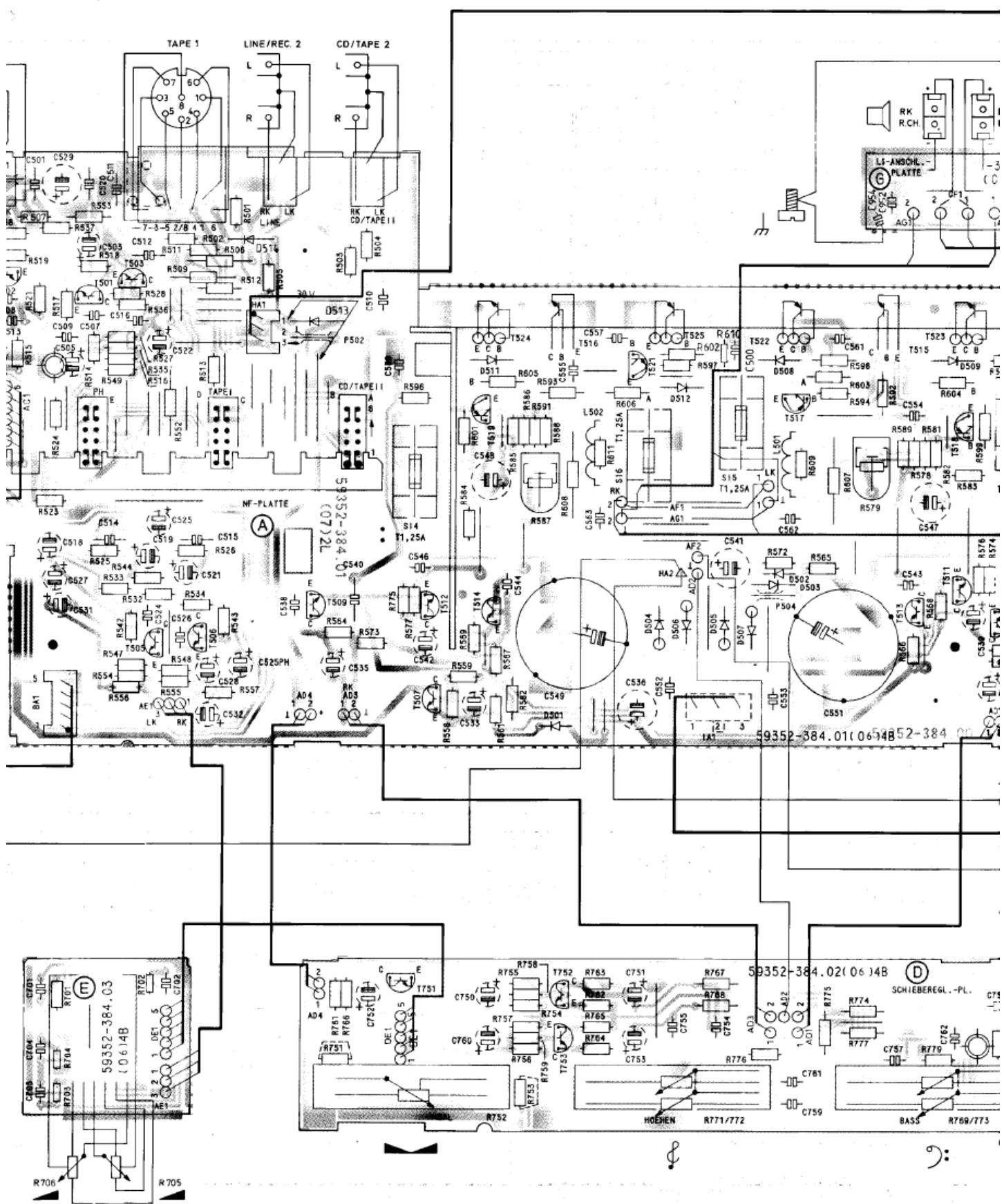
• Abgleich • Alignment • Alignement • Taratura • Ajuste	• Einspeisung • Feeding • Injection • Alimentazione • Aplicación de señal	• Meßpunkt • Testpoint • Point de mesure • Punto di misura • Punto de medida	• Hinweise • Notes • Observation • Note • Advertencias	• Band • Band • Bande • Gamma • Banda	f	• Abgleichpunkt • Alignment point • Point d'alignement • Punto di taratura • Punto de ajuste	• Einstellung • Adjustment • Réglage • Regolazione • Ajuste
• Suchlaufpegel • Self seek level • Niveau en recherche automatique • Livello ricerca automatica • Nivel de exploración de sintonía			Ue < 15 μV -> kein Stopp / no stop / pas / manca stop / no para Ue ≥ 15 μV -> Stopp / stop / arret / stop / para	FM	106 MHz	A	• Suchlaufstopp • Self seek stop • Arret en recherche automatique • Stop ricerca automatica • Paro de búsqueda automática
• Nachbar-Kanalfilter • Adjacent channel filter • Filtre canal adjacent • Filtro per canale adiacente • Filtro del canal adyacente			Das Filter ist vorabgeglichen The filter is preadjusted Le filtre est prétréglé Il filtro è preadjustato Este filtro viene preajustado			D	• Minimum • Minimum • Minimum • Minimo • Minimo
• Pilot-und Hilfsträger • Pilotcarrier and subcarrier • Porteuse pilote et sous-porteuse • Portante piloto e auxiliaria • Portadoras piloto y auxiliar						E F G H	• Minimum • Minimum • Minimum • Minimo • Minimo
• Ruhestrom • Quiescent Current • Courant de repos • Corriente de reposo • Corrente de reposo					R 579 / L R 587 / R		4 mV - 10 % + 30 %

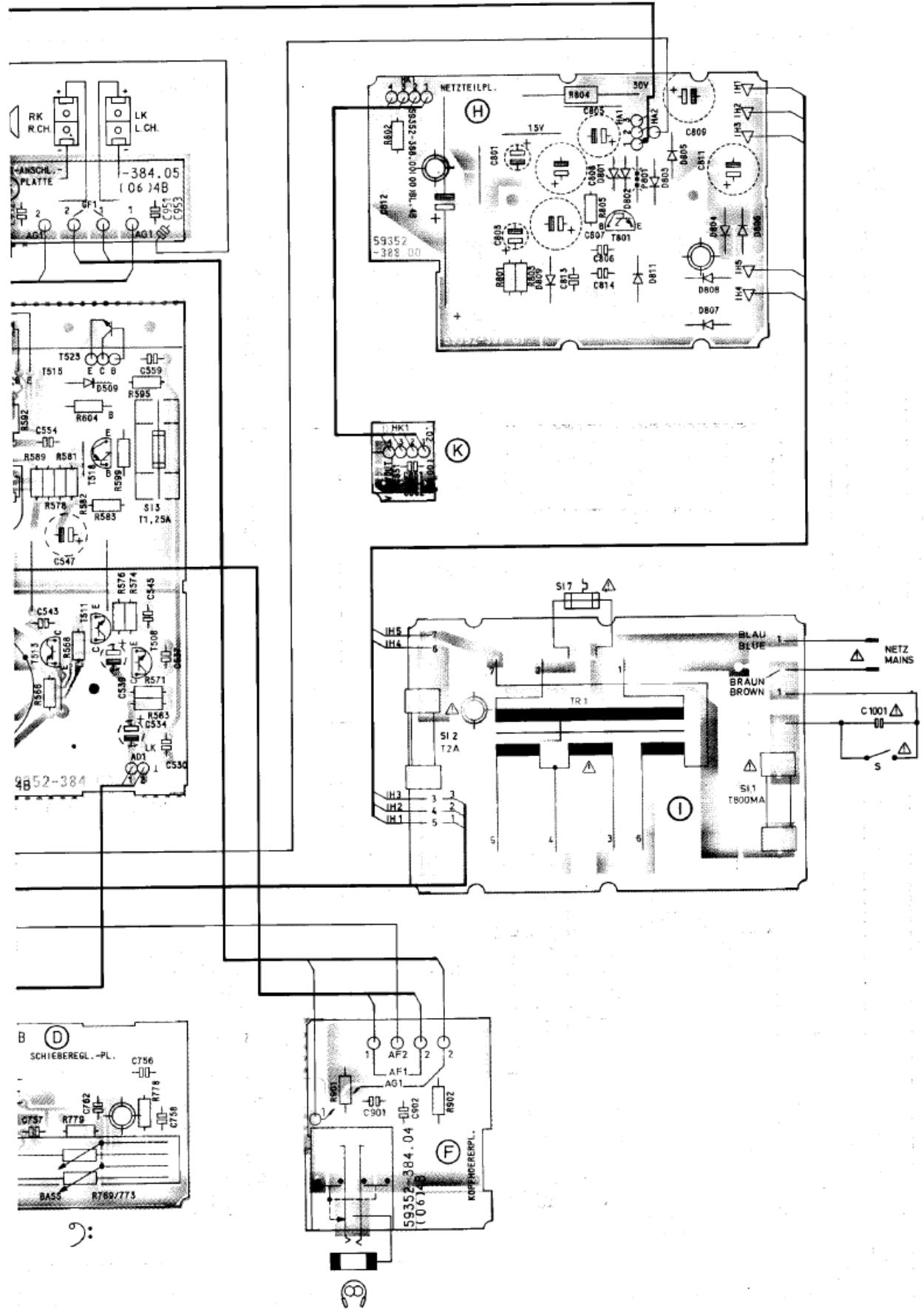
Zeilenerklärung / Legende / Légende / Simbología / Aclaración

	Meßsender/Testgenerator Générateur/Generatore di misura Generador frecuencias		NF-Voltmeter/AF-Voltmeter Voltmètre BF/Voltmetro BF Voltmetro de BF
	NF-Generator/AF-Generator Générateur BF/Generatore BF Generador de BF		Digitalvoltmeter/Digital voltage meter Voltmètre digital/Voltmetro digitale Voltmetro digital
	Stereogenerator/Stereo-Generator Générateur de Stéréo/Generatore di Stereo Generador de Stereo		Gleichspannungsmeßgerät/DC voltage meter Voltmètre DC/Misuratore tensione continua Medidor de tensión continua
	Antenne/Aerial Cadre/Antenna Antena		Oszilloskop/Oscilloscop Oscilloscope/Osciloscopio Osciloscopio
	Rahmenantenne/Frame aerial Cadre/Antenna a telaio Antena de cuadro		Einstellung wiederholen/To repeat the adjustment Répéter le réglage/Ripetere la regolazione Repetir el ajuste
	Drehen nach links/Tuning to left Tourner vers la gauche/Ruotare verso sinistra Girar a la izquierda		Lautstärkeregler/Volume control Réglage du volume sonore/Regolatore di volume Control de volumen





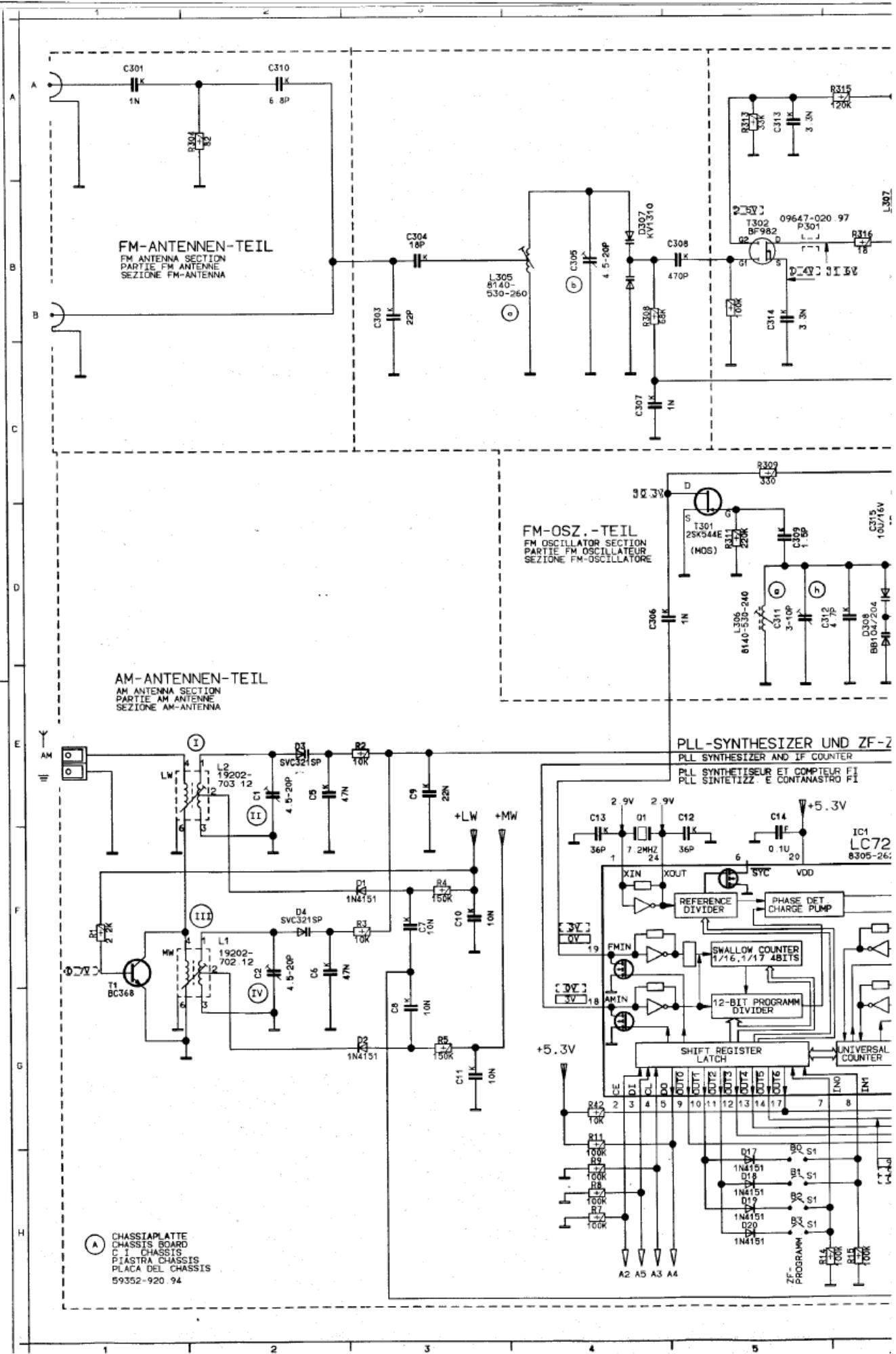


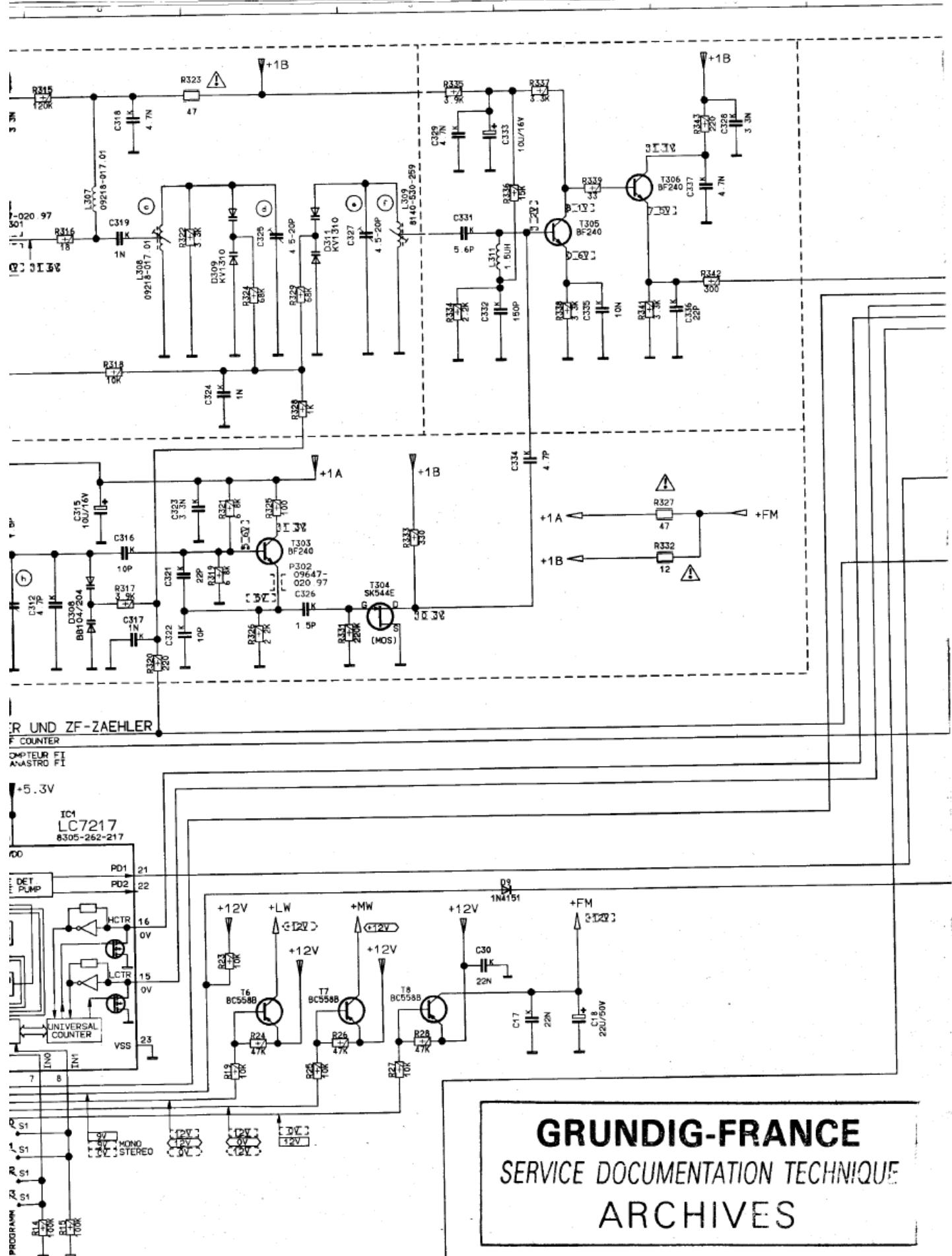


IPC-SYSTEM

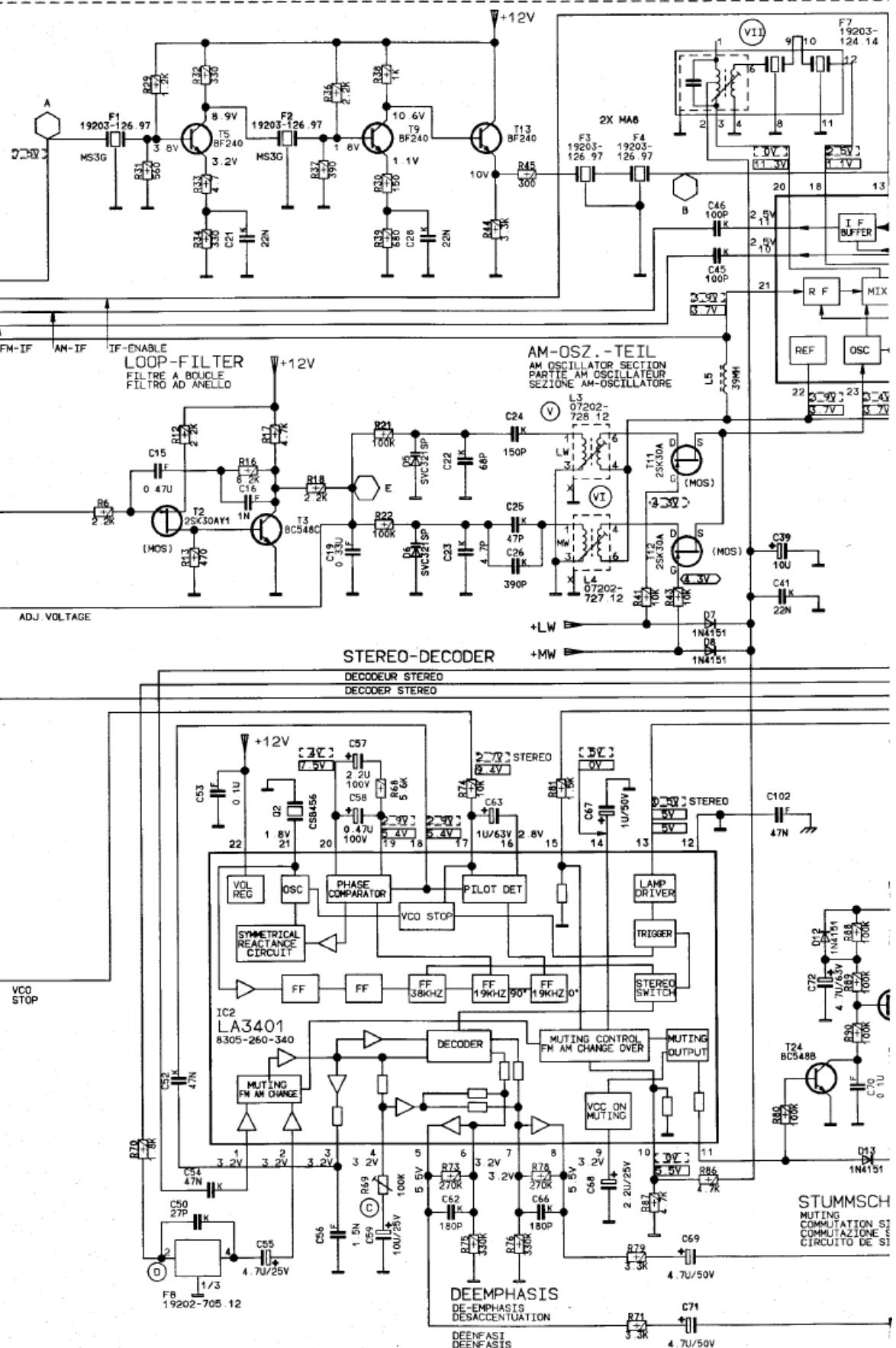
R4200MKII, S01A-S08A

R-4-1-R4200MKII,
R4200MKII, SCH

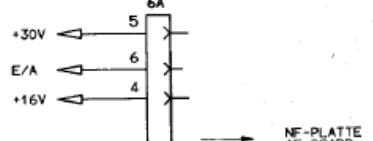
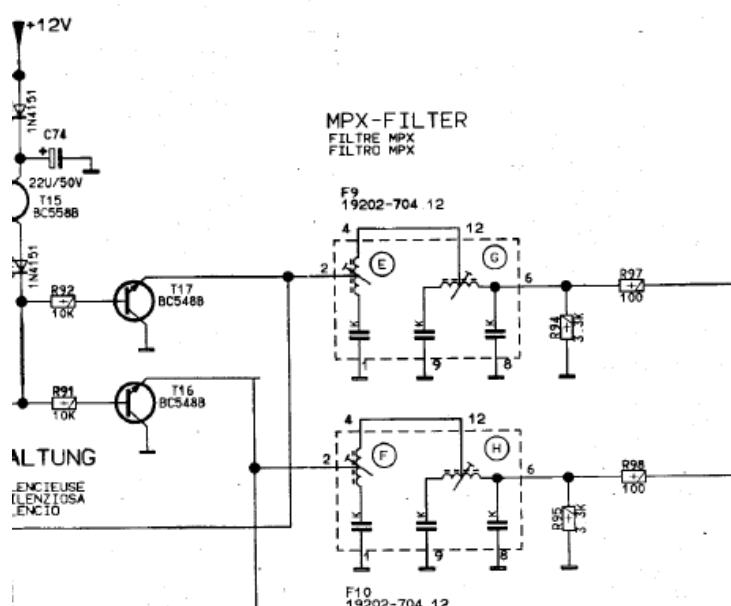
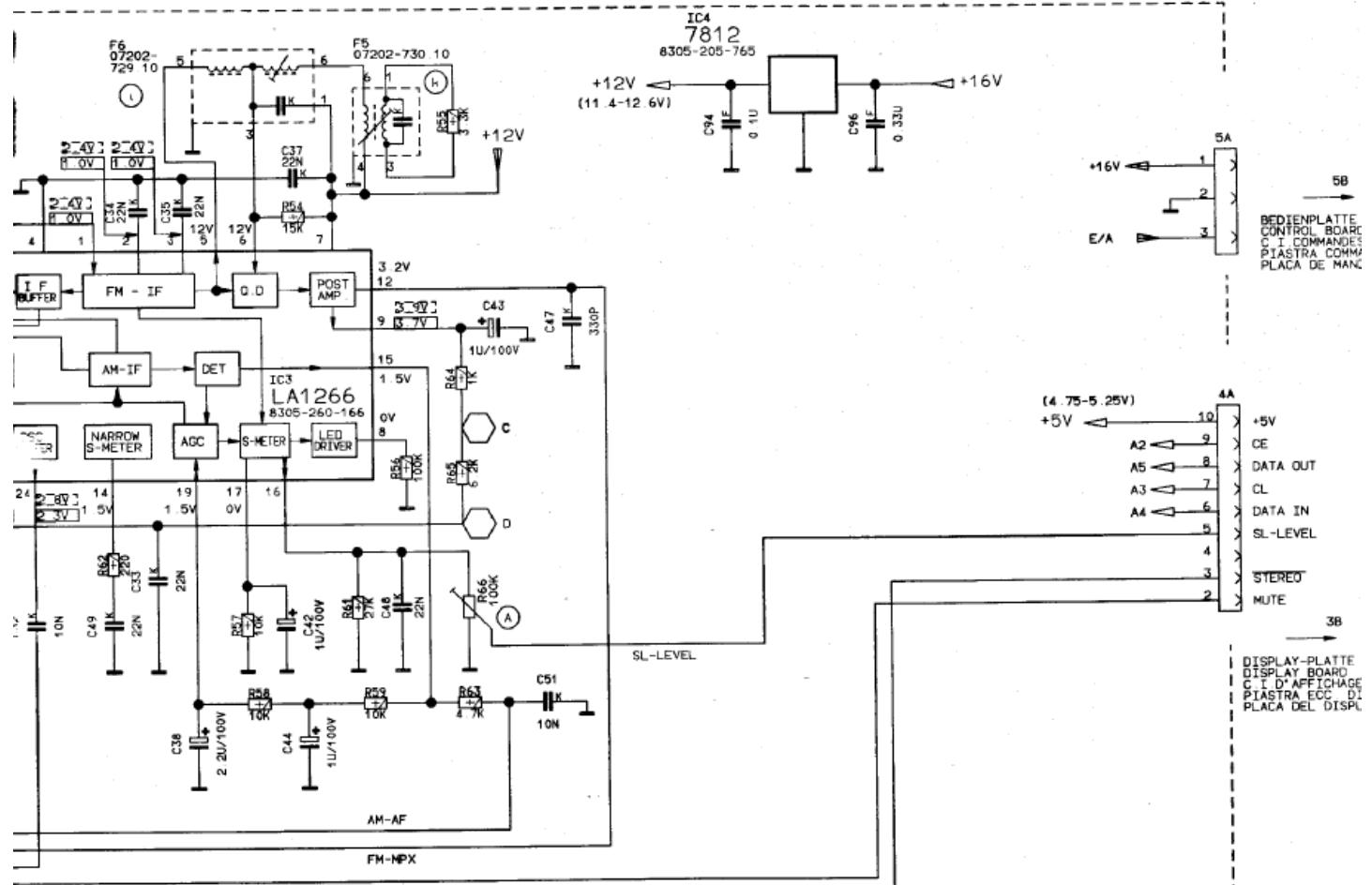




GRUNDIG-FRANCE
SERVICE DOCUMENTATION TECHNIQUE
ARCHIVES



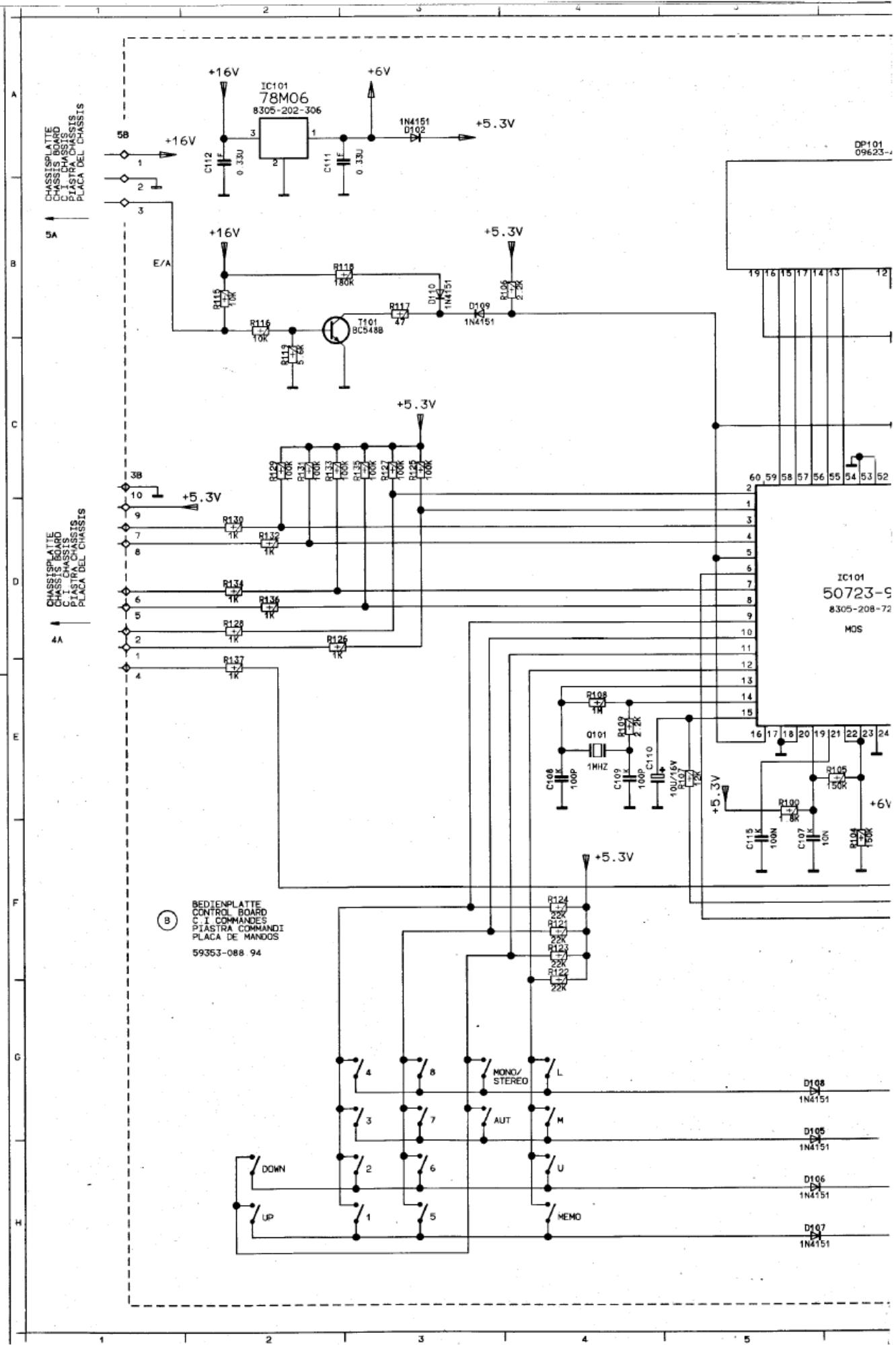
RADIO/FI AM ET FI FM
RADIO/FI AM E FI FM



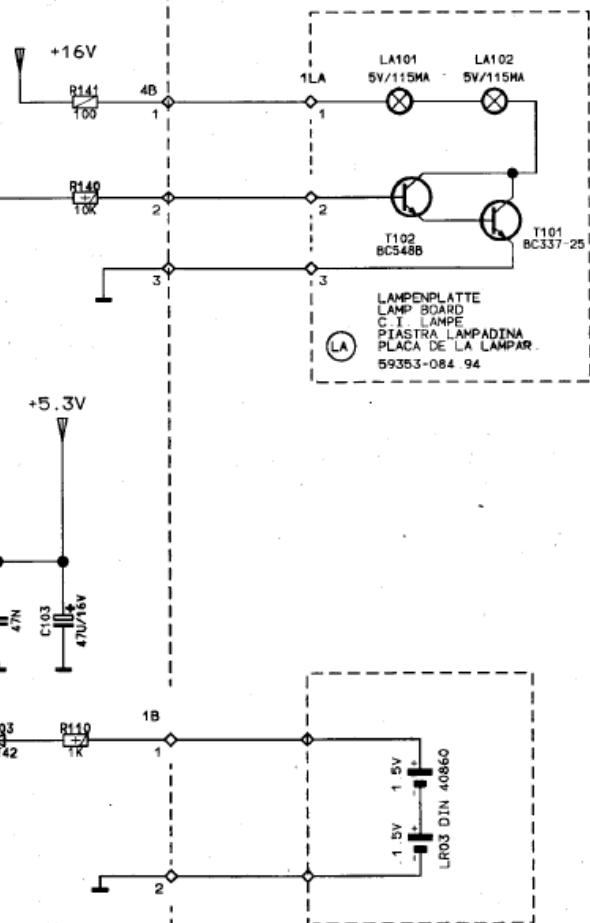
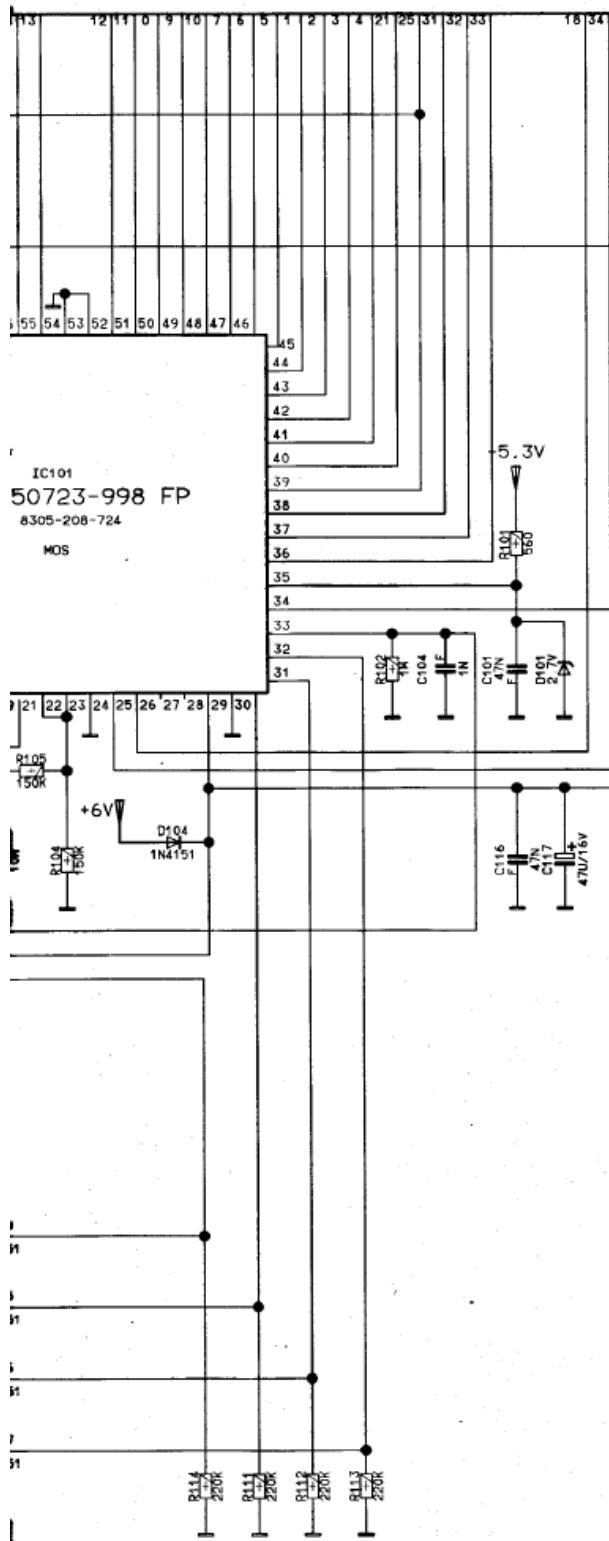
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ACRO PROT:	IND	ACRO PROT:	IND
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GEPR:	AB. 1.89		
R 4200 MKII			
GRUNDIG			
GERMET	R4200MKII	LUB	5

IPC-SYSTEM

R4-2-R4200MKII,
R4200MKII, SCH
R4200MKII, S09A-S13A

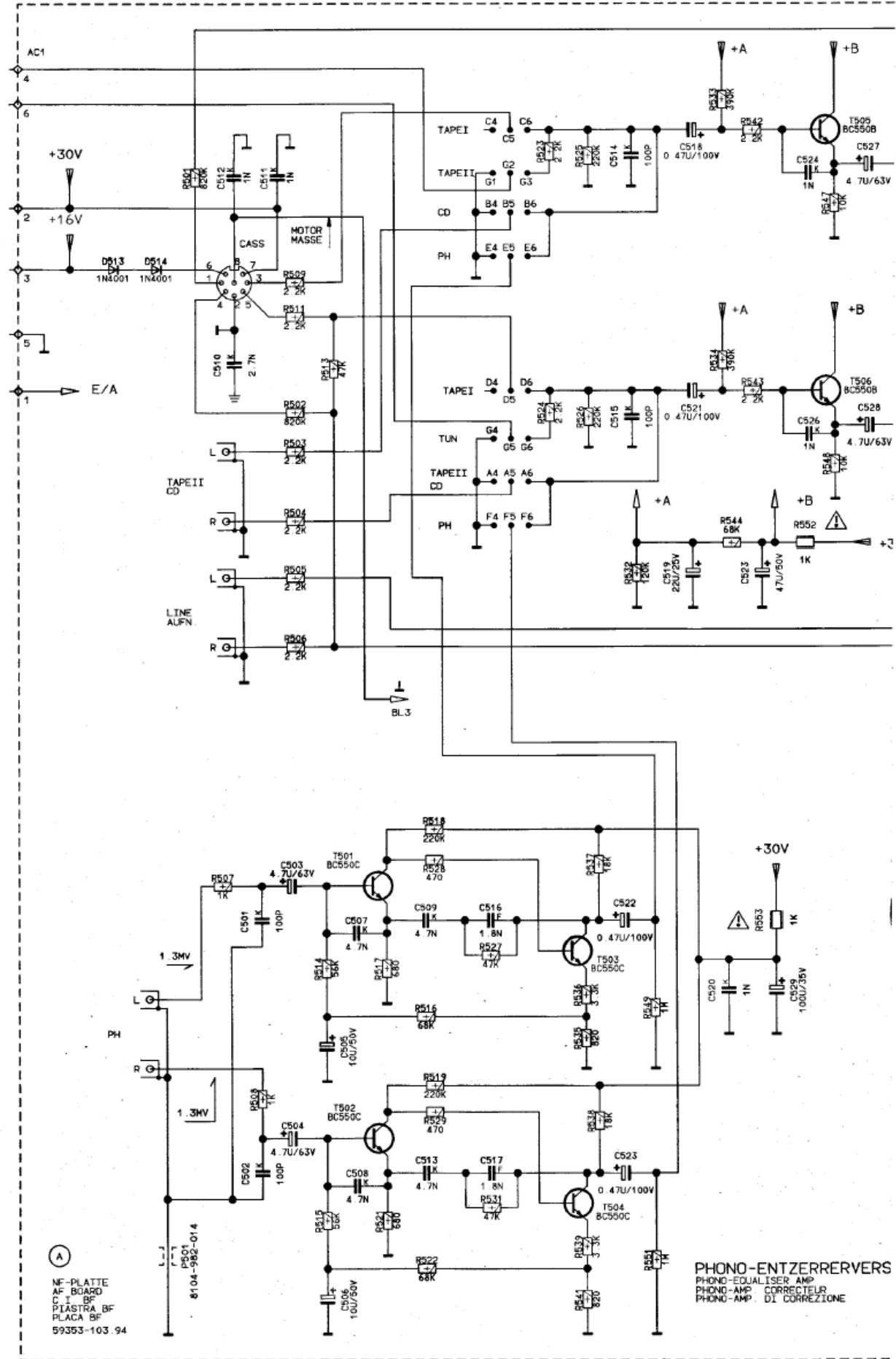


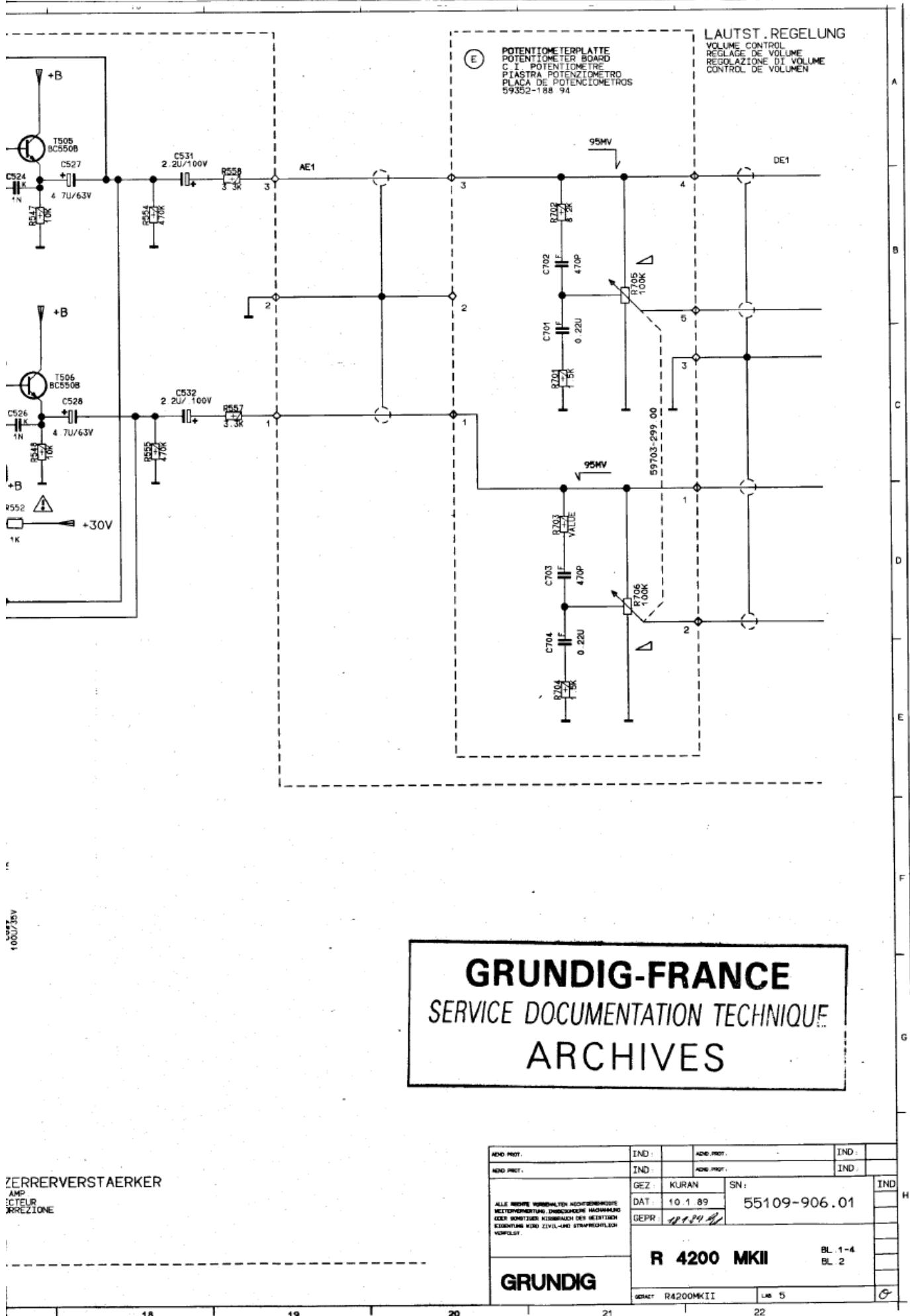
DP101
09623-413.00



CHASSISPLATTE
CHASSIS BOARD
C. I. CHASSIS
PIASTRA CHASSIS
PLACA DEL CHASSIS

6A

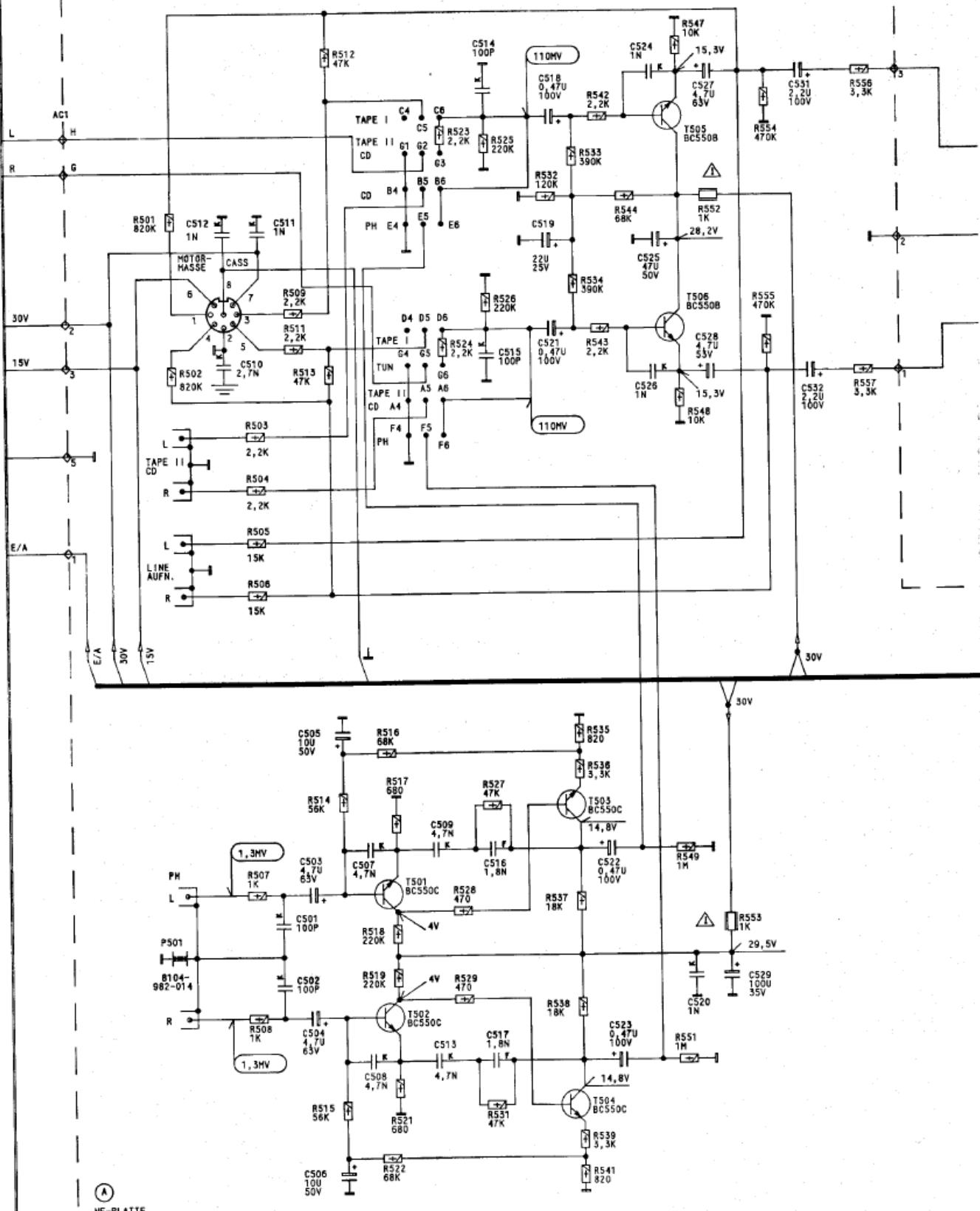




GRUNDIG-FRANCE
SERVICE DOCUMENTATION TECHNIQUE
ARCHIVES

ZERRERVERSTAERKER
AMP
ECTEUR
CORREZIONE

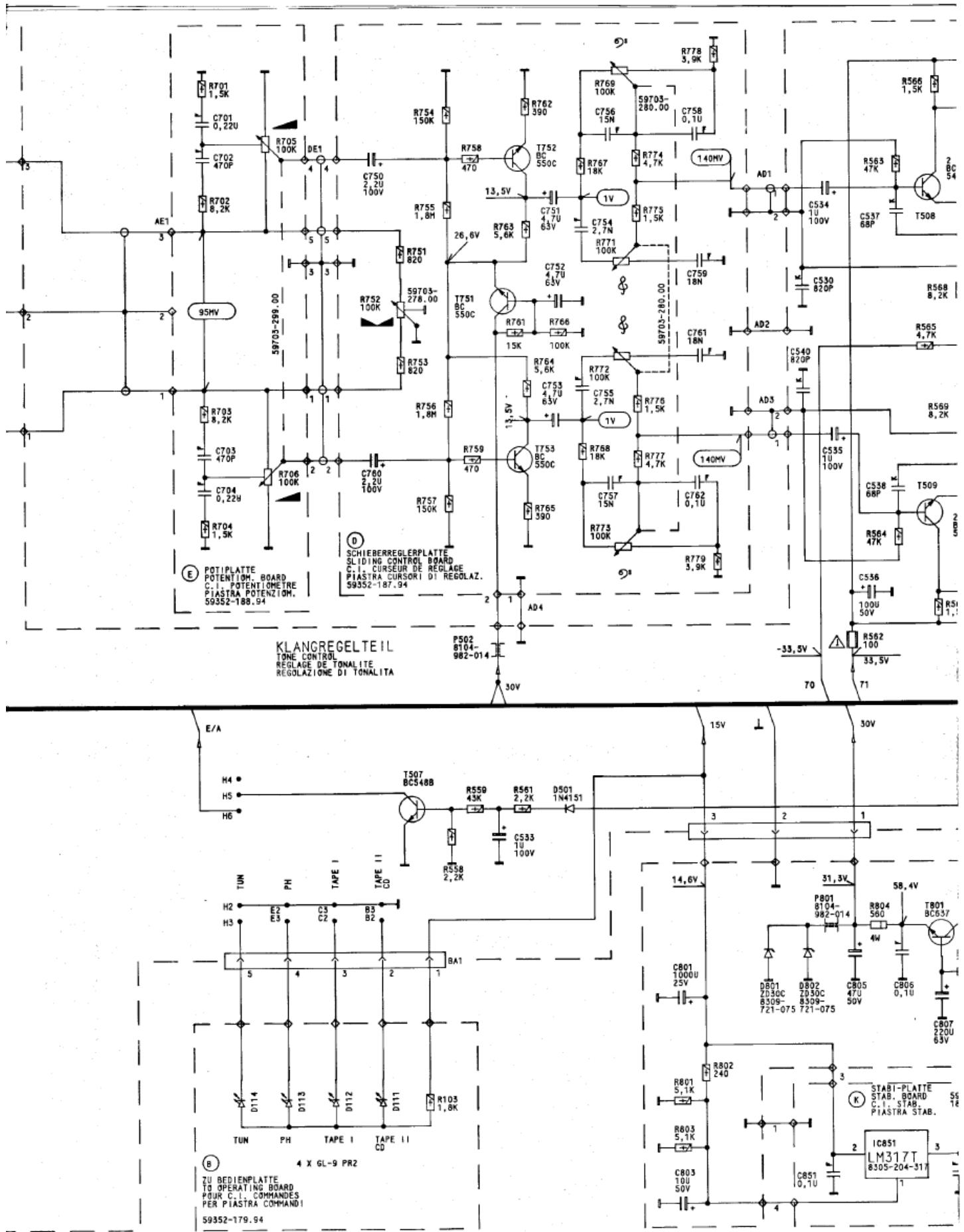
ABD PROT.	IND:	ABD PROT.	IND:	
NEND PROT.	IND:	NEND PROT.	IND:	
		GEZ: KURAN	SN:	IND
		DAT: 10.1.89	55109-906.01	H
		GEBR: 1984/2		
		R 4200 MKII	BL. 1-4 BL. 2	
GRUNDIG		SETART R4200MKII	LIE 5	O
21		22		

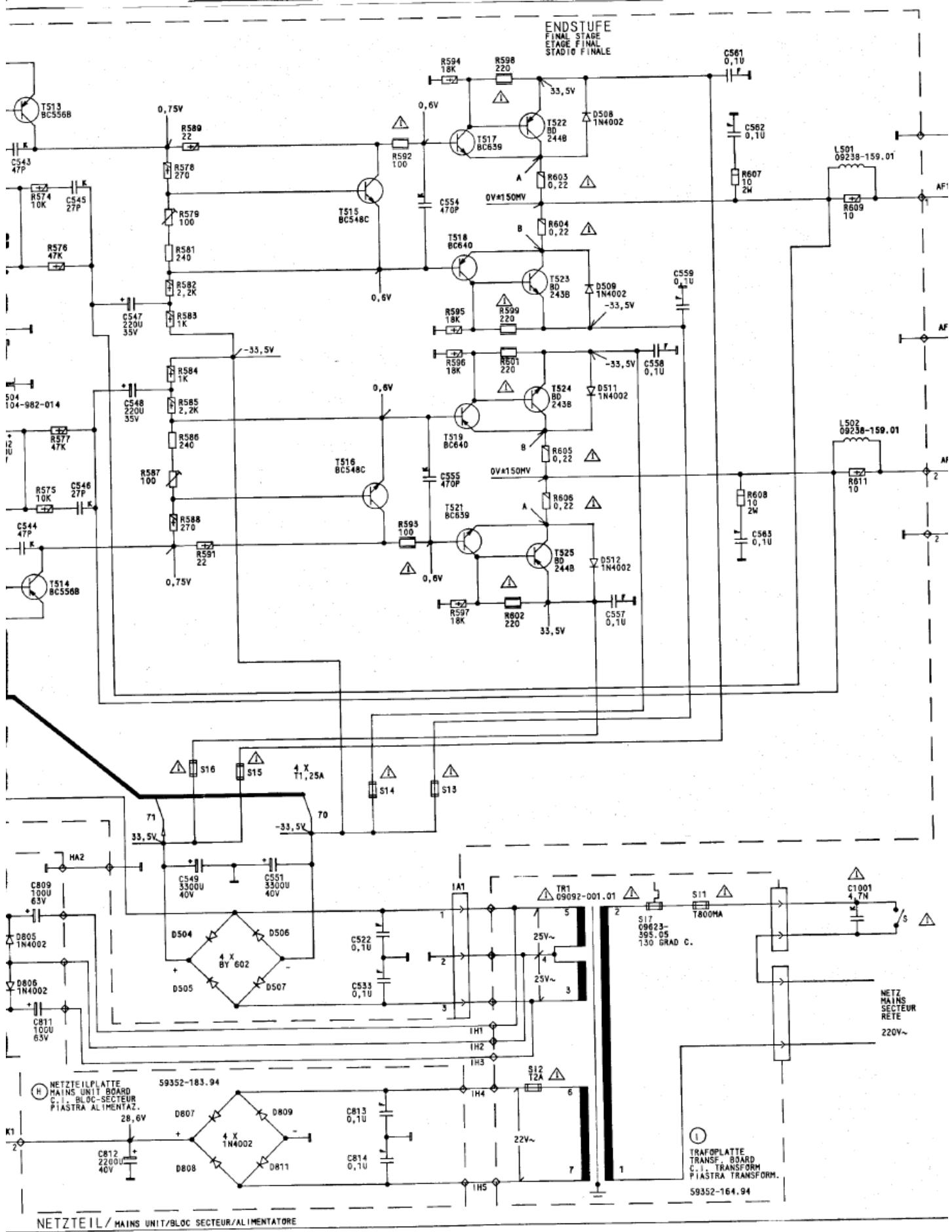


PHONO-ENTZERRERVERSTAERKER
PHONO-EQUALIZER AMPLIFIER
PHONO AMPLIFICATEUR CORRECTEUR
PHONO AMPLIFICATORE DI CORREZIONE

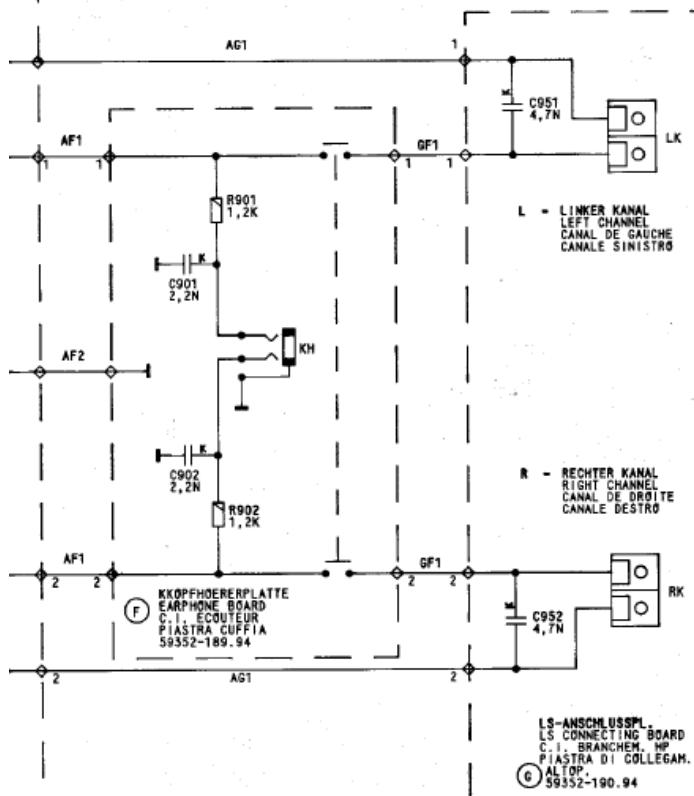
NF-PLATTE
AF BOARD
C.I. BF
PIASTRA BF
59452-186.94

775000-026.80(00)





NETZTEIL / MAINS UNIT/BLOC SECTEUR/ALIMENTATORE

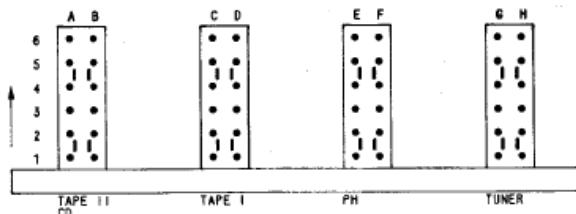


RUHESTROMEINSTELLUNG OHNE SIGNAL UND OHNE LAST
MIT R579 UND R587 VOM LINKSANSCHLAG BEGINNEND
4MV -10% +30% ZWISCHEN A AND B EINSTELLEN

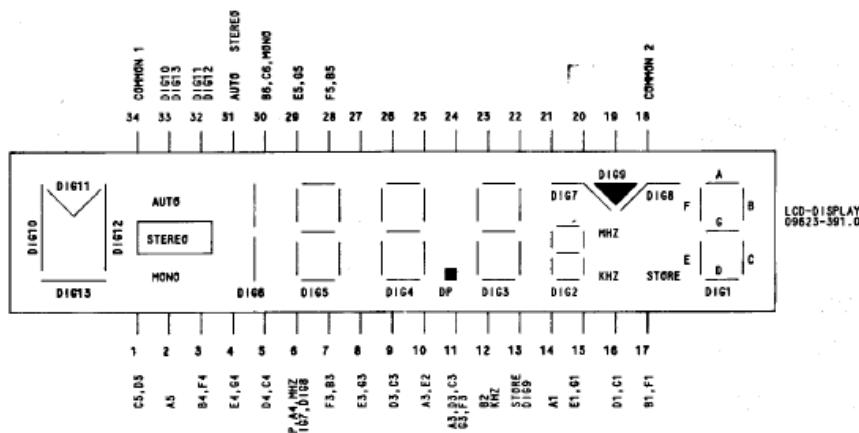
ADJUST QUIESCENT CURRENT WITHOUT SIGNAL AND WITHOUT
LOAD FOR 4 MV -10% +30% BETWEEN A AND B STARTING FROM
LEFT HAND STOP USING R579 AND R587.

REGLEZ DU COURANT DE REPOS SANS CHARGE ET SANS SIGNAL
A EFFECTUÉ EN REGLANT 4 MV -10% +30% ENTRE A ET B AVEC R579 ET
R587 EN COMMENCANT A PARTIR DE LA BUTEE A GAUCHE.

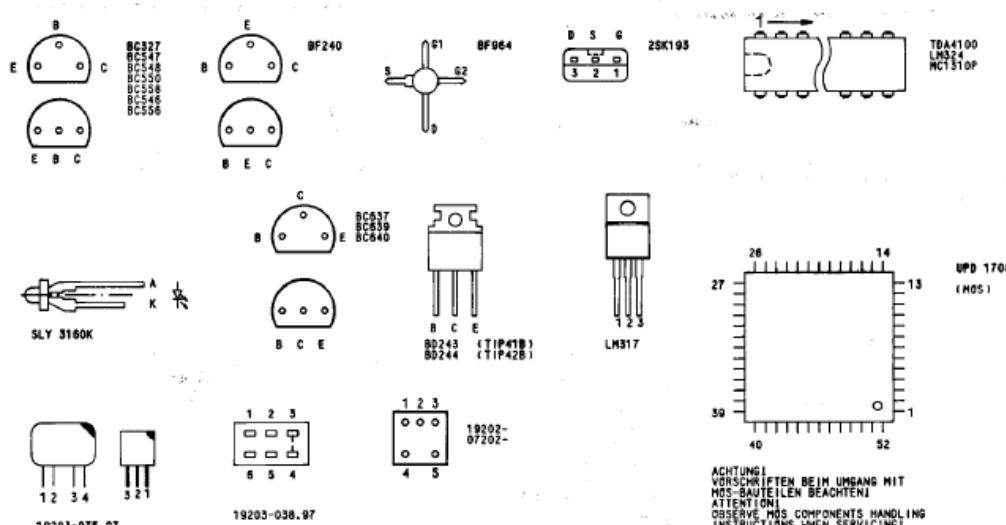
TARATURA DELLA CORRENTE DI RIPOSO SENZA SEGNALE E SENZA
CARICO DA EFFETTUARE REGOLANDO 4 MV -10% +30% TRA A-B CON R579
E R587 INIZIANDO DALLA BATTUTA SINISTRA.



Name / Ref. No.		Teilebeschreibung / Title		Fabrik / Factory		Sach Nr. / Ref. No.	
GRUNDIG - Prüfungsprototyp		Angelegt am:		Fabrik:		Sach-Nr. / Ref. No.:	
Fertig-Techn. abgenommen		Abmessungen:		Abmessung:		Abmessung:	
Oberfläche:		Abmessung:		Abmessung:		Abmessung:	
Surface:		Abmessung:		Abmessung:		Abmessung:	
Werkstoff - Material:		Art und Art-Nr.:		Änderung:		Tage:	
Modell: Heimradio nach		Modell: Heimradio nach		Modell: Heimradio nach		Name:	
Abmessung: 3665-700		Abmessung: 3665-700		Abmessung: 3665-700		Name:	
Ref. No.:		Ref. No.:		Ref. No.:		Ref. No.:	
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COMMON 1 (PIN 34): DIG10, DIG11, A5, F5, E5, D5, B6, C6, AUTO, A4, F4, E4, D4, A3, E3, D3, A2, B2, C2, D2, F1, E1, D1, STORE
 COMMON 2 (PIN 18): DIG12, DIG13, MONO, STEREO, C5, G5, B5, DP, C4, G4, B4, C3, G3, E2, G2, KHZ, MHZ, DIG7, DIG8, C1, G1, B1, A1



ACHTUNG!
 VORSICHT BEIM UMBRUG MIT
 MOS-KOMponentEN BEACHTEN!
 ATTENTION!
 OBSERVE MOS COMPONENTS HANDLING
 INSTRUCTIONS WHEN SERVICING!
 AVVERTIMENTO!
 LORS DE LA MANIPULATION DES
 CIRCUITS MOS, RESPECTER LES
 PRESCRIPTIONS MOS!
 AVVERTIMENTO!
 OSSERVARE LE RELATIVE PRESCRIZIONI!
 DURANTE I LAVORI CON COMPONENTI MOS!

	KONSTANTSPANNUNG CONSTANT VOLTAGE TENSIONNÉE CONSTANTE TENSIONE COSTANTE		KONSTANTISTROM CONSTANT CURRENT CORRENTE COSTANTE		ADDIERSTUFÉ ADDING STAGE ETAGE D'ADDITION STADIO ADDIZIONATORE		STROMQUELLE POWER SOURCE SOURCE DE COURANT SORGENTE DI CORRENTE		TREIBER DRIVER DRIVER ECCITATORE
	STELLER CONTROL RÉGULATEUR REGOLATORE		INDIKATOR INDICATOR INDICATEUR INDICATORE		FENSTER-DISKRIMINATOR WINDOW DISCRIMINATOR DISCRIMINATEUR A FENETRE DISCRIMINATORE A FINESTRA		GEREGELTER OSZILLATOR CONTROLLED OSCILLATOR OSC. RÉGULÉ OSC. REGOLATO		REGELSPANNUNGS-VERST. CONTROL VOLTAGE-AMP. TENSION DE RÉGLAGE AMP. TENSIONE DI CONTROLLO AMP.

GRUNDIG
R 4200

Btx * 32700 #

Service Manual R 4200 Sach-Nr. 72008-316.68

Service manual R 4200 Order-No. 72008-316.68

AENDERUNGEN VORBEHALTEN
SUBJECT TO ALTERATION
MODIFICATIONS RESERVEES
CON RISERVA DI MODIFICA

AM FM MW LW

SPANNUNGEN MIT VOLTMETRER (R1-TOM2), FALLS NICHT
ANDERS ANGEGEBEN, GEGEN Masse MESSEN.
MESSWERTE GELTEN BEI 220V~ NETZSPANNUNG.

IF NOT OTHERWISE INDICATED ALL VOLTAGES ARE MEASURED
AGAINST CHASSIS WITH A VOLTMETER (R1-TOM2). THE VALUES
ARE VALID FOR 220V AC MAINS VOLTAGES.

SAUF INDICATION CONTRAIRE LES TENSIONS SONT MESUREES
PRES DE LA CHASSIS AVEC UN VOLTMETRE (R1-TOM2).
LES VALEURS SONT VALABLES POUR UNE TENSION SECTEUR
DE 220V~ CA.

TENSIONI MISURATE CON VOLTMETRO (R1-TOM2), SALVE
ALTRA INDICAZIONE, RIFERITE A MASSA I VALORI DI MISURA
VALGONO CON TENSIONE DI RETE DI 220V~.

- GLEICHSPANNUNG
DC-VOLTAGE
TENSION CONTINUE
TENSION CONTINUA
- WECHSELSPANNUNG
AC-VOLTAGE
TENSION ALTERNATIVE
TENSIONE ALTERNATA
- REGELSPANNUNG
CONTROL VOLTAGE
TENSION DE REGLAGE
TENSIONE DI CONTROLLO
- ABSTIMMSPANNUNG
TUNING VOLTAGE
TENSION DE COMPTONISATION
TENSIONE DI SINTONIA
- SCHALTSPANNUNG
SWITCHING VOLTAGE
TENSION DE COMMUTATION
TENSIONE DI COMMUTAZIONE

NF-SPANNUNGEN FUER 15W/8Ω = 10,95V
BEI 1KHZ, LAUTSTAERKE VOLL AUF

AF VOLTAGES AT 15W/8Ω = 10,95V
AND 1KHZ, MAX. VOLUME.

TENSIONS DE POUR 15W/8Ω = 10,95V
A 1KHZ, PUSSANCE MAXIMUM.

TENSIONI BF PER 15W/8Ω = 10,95V
SU 1KHZ VOLUME AL MASSIMO.

■ FUER DIE GERÄTESICHERHEIT ABSOLUT NOTWENDIG UND ENTSPRECHEND
DEN RICHTLINIEN DES VDE BZW. IEC. IM ERSETZFAELL SÜERKEN HU
BAUTEILE MIT GLÄCHTER SPESIFIKATION VERMEIDEN WERDEN.

■ ABSOLUTELY NECESSARY FOR THE SAFETY OF THE SET. THESE COMPONENTS
MEET THE SAFETY REQUIREMENTS ACCORDING TO VDE OR IEC. RESP.
AND MUST BE REPLACED BY PARTS OF SAME SPECIFICATION ONLY.

■ ABSOLUMENT NECESSAIRE POUR LA SECURITE DE L'APPAREIL
ET CONFORME AUX REGLEMENTS VDE ET IEC. EN CAS DE REEMPLACEMENT,
N'UTILISER QUE DES COMPOSANTS AVEC LES MEMES SPECIFICATIONS.

■ NECESSARI PER LA SICUREZZA DELL' APPARECCHIO E SONO CONFORMI
ALLE NORMI DI SICUREZZA VDE E IEC. IN CASA DI SOSTITUZIONE
IMPREGARE QUINDI SOLTANTO PEZZI IN RICAMBIO ORIGINALI.

WIDERSTAND/RESISTOR
RESISTANCE/RESISTENZA

- KSW 0204 DIN DRAHT
WIRE
BOBINE
A FILO
- MSW 0204 DIN METALLOXYSCHICHT
METAL OXIDE
A OXYDE METALLIQUE
AD OSSIDO METALLICO
- KSW 0207 DIN RAUSCHARM
LOW NOISE
A FAIBLE REBRUIT
A BASSO RUMORE
- KSW 0309 DIN SCHMER ENFLAMMABAR
FLAMMABLE
PEU INFAMMABLE
A BASSA INFAMMABILITA
- KSW 0411 DIN SICHERUNGSWIDERSTAND
SAFETY RESISTOR
FUSIBLE
DI SICUREZZA
- NTC

KONDENSATOR/CAPACITOR
CONDENSATEUR/CONDENSATORE

- ELKO ELECTROLYTIC
ELECTROLYTIQUE
ELETROLITICO
- TANTAL ELKO TANTALUM ELECTROLYTIC
ELECTROLYTIQUE AU TANTALE
ELETROLITICO AL TANTALO
- FOLIE FOIL
FEUILLE
A FOGLIA
- KERAMIK CERAMIC
CERAMIQUE
A CERAMICA
- GLIMMER MICA
AU MICA
A MICA
- VIERSCHICHT MULTILAYER
A COUCHES MULTIPLES
A PIU' STRATTI
- POLYPROPYLEN (KS-KP)

- VERST. ALLG.
AMP. GENERAL
AMP. ORD.
AMP. COMUNE
- TIEFPASSVERST.
LOW-PASS-AMP.
AMP. PASSE-BAS
AMP. PASSA-BASSO
- HOCHPASSVERST.
HIGH-PASS-AMP.
AMP. PASSE-HAUT
AMP. PASSA-ALTO
- GEGECKELT. VERST.
DIFFERENTIAL AMPL.
AMP. DIFFERENTIEL
AMP. DIFFERENZIALE
- DIFFERENZ-VERST.
DIFFERENCE AMPLIFIER
AMPLIFICATEUR DIFFERENTIATEUR
AMPLIFICATORE DIFFERENZIALE
- STEUERBARER VERST.
CONTROLLABLE AMPLIFIER
AMPLIFICATEUR REGULABLE
AMPLIFICATORE PILOTABILE

- SCHMITTRIGGER
SCHMITT-TRIGGER
TRIGGER DI SCHMITT
CIRC. DI SGANCI DI SCHMITT
- ELECTR. SCHALTER
ELECTR. SWITCH
COMMUTATEUR ELECTR.
COMMUTAZIONE ELETTR.
- MISCHER-VERST.
MIXER-AMP.
MELANGEUR AMP.
MISCALATRICE AMP.
- DEMODULATOR
DEMODULATOR
DEMODULATEUR
DEMODULATORE
- TEILER
DIVIDER
DIVISEUR
PARTITORE
- MISCHER
MIXER
MELANGEUR
MISCALATRICE

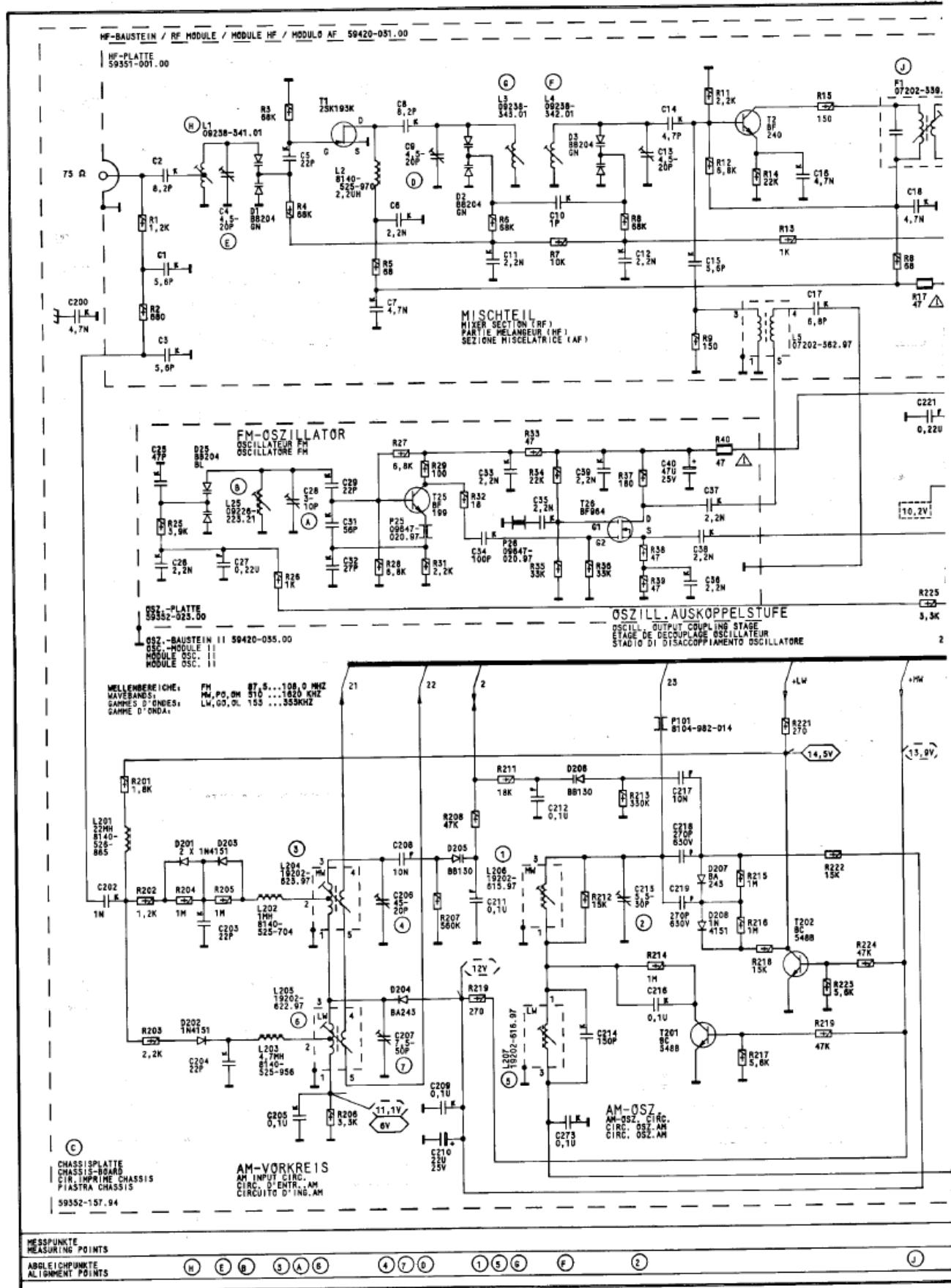
DURCHSAGEKENNUNG DEMOD.
ROAD FLASH DETECTION DEMOD.
MESSAGE DEMOD.
IDENTIFICAZIONE COMUNI. DEMOD.

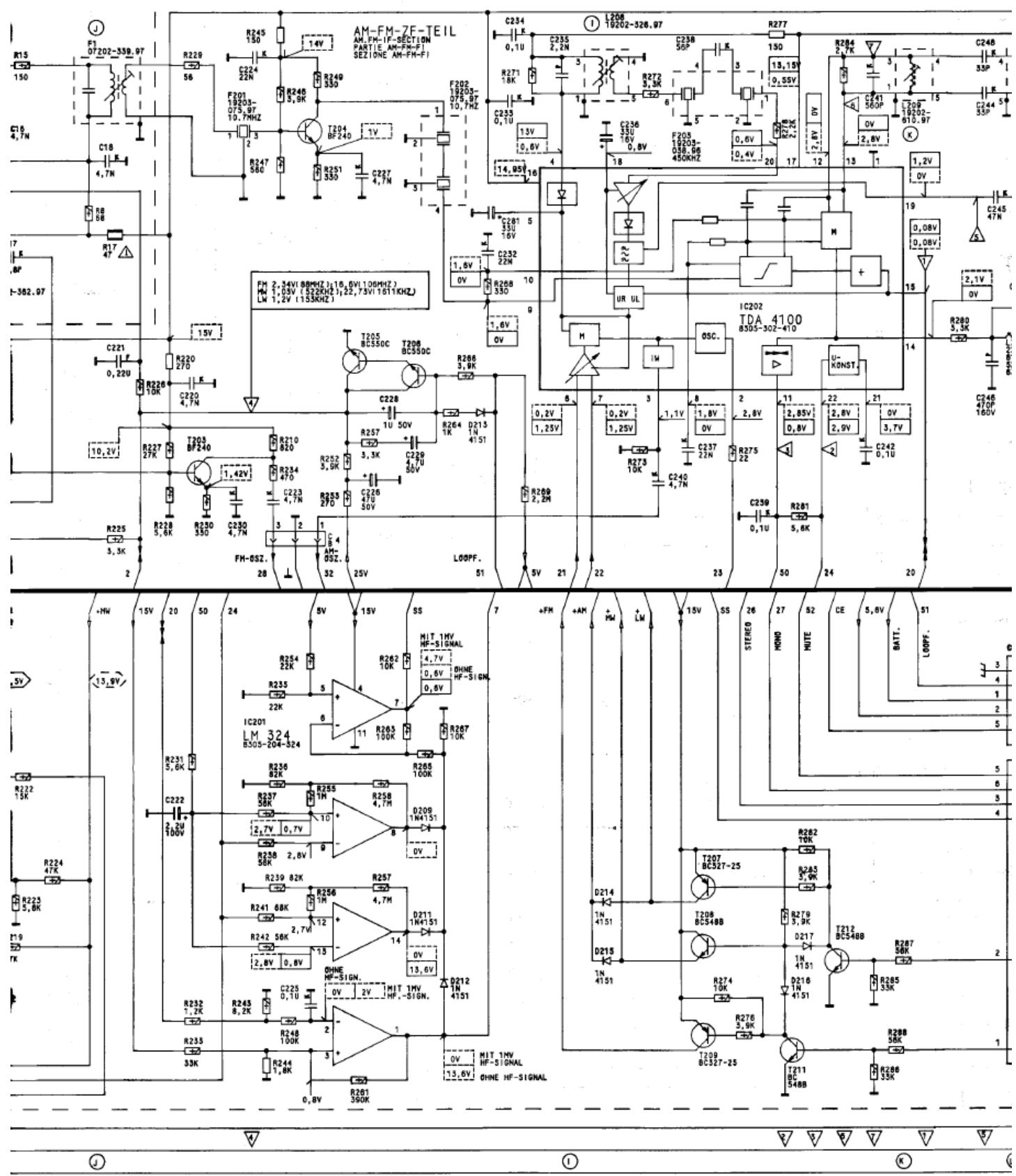
BEREICHSKENNUNG DEMOD.
AREA FLASH DETECTION DEMOD.
REFERATO DI ZONA DEMOD.
IDENTIFICAZIONE ZONA DEMOD.

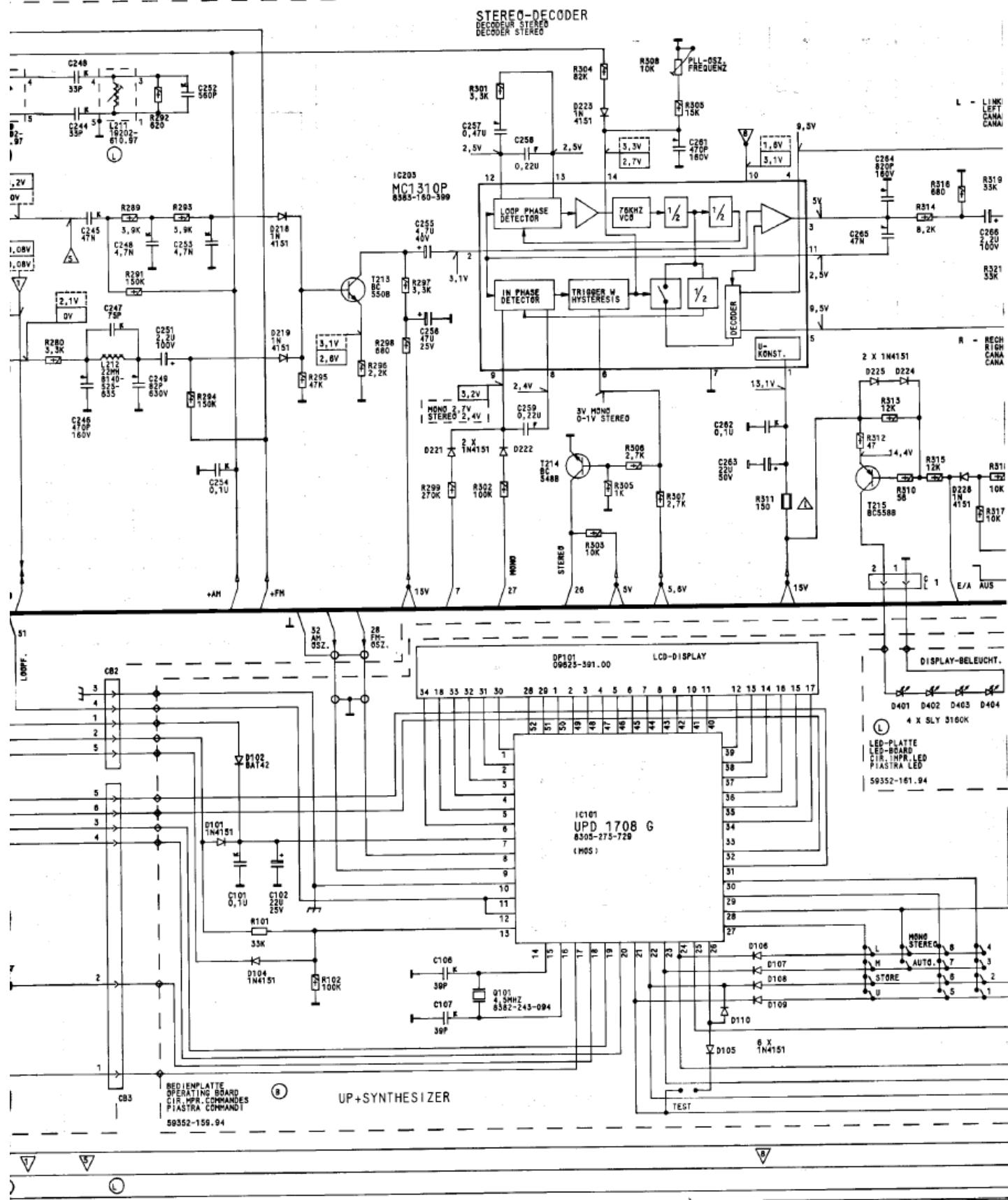
BANDSPERRE
BAND-STOP FILTER
FILTRE COUPE-BANDE
FILTRIO SOFFRESSIONE
DI BANDA

BANDPASS
BAND-PASS
FILTRE PASSE-BANDE
FILTRIO PASSA-BANDA

SCHNELLWERT-SCHALTER
THRESHOLD VALUE SWITCH
COMMUTATEUR VALEUR SEUIL
COMMUTATORE DEL VALORE
DI SOGLIA

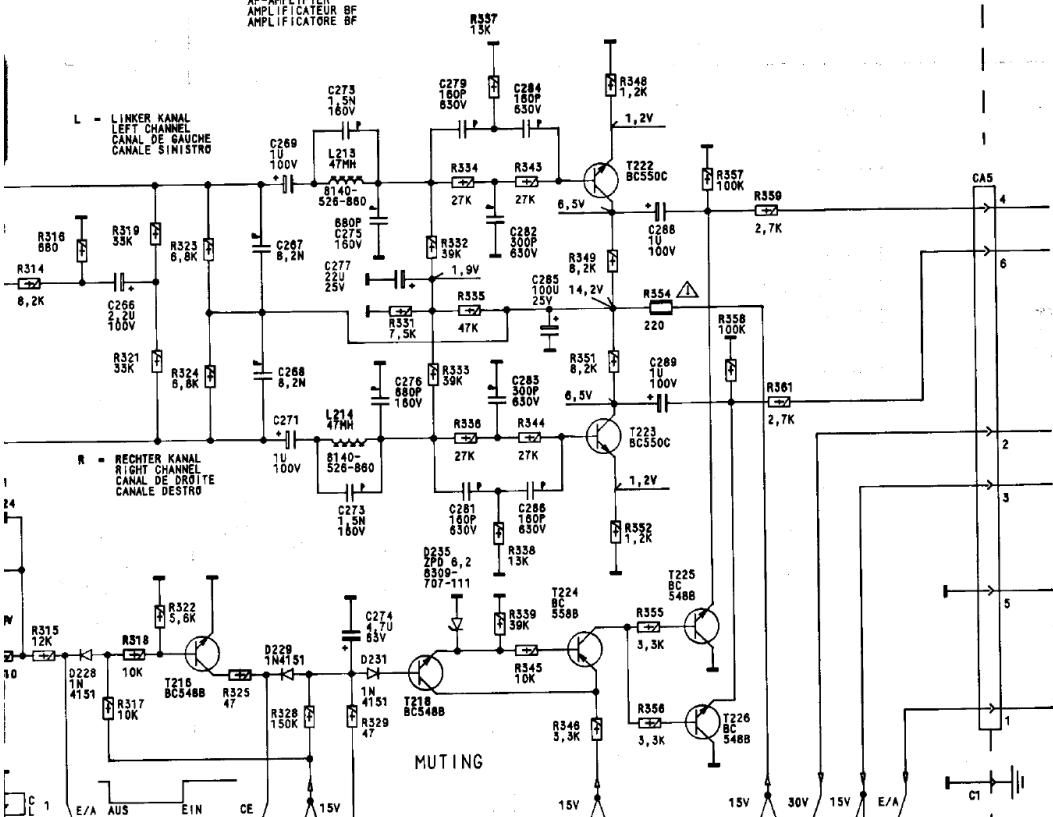




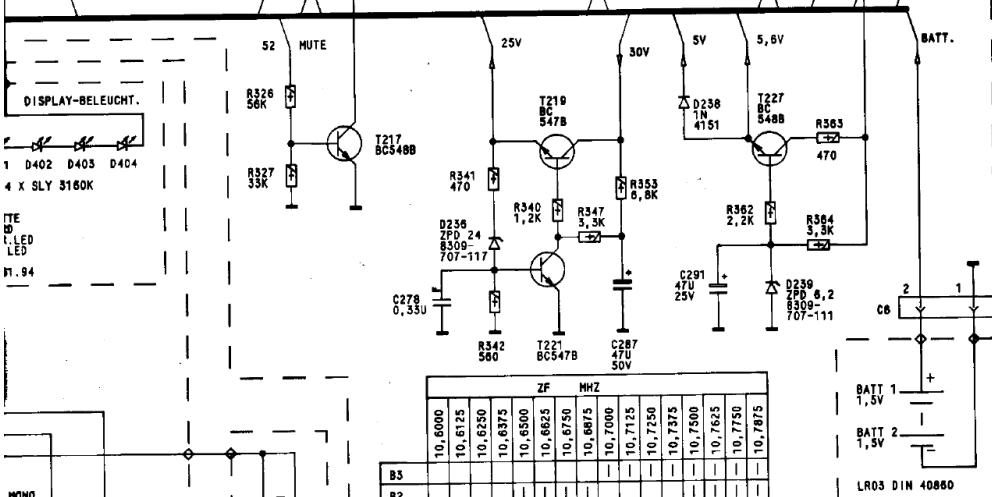


NF-VERSTAERKER
AF-AMPLIFIER
AMPLIFICATEUR BF
AMPLIFICATORE BF

L - LINKER KANAL
LEFT CHANNEL
CANAL DE GAUCHE
CANALE SINISTRO



MUTING



1.94

TE

LED

LED

1.94

MONO

STEREO

AUTO

DIM

UP

B1

B2

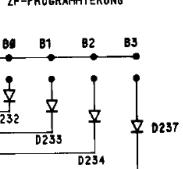
B3

B4

CB1

	ZF	MHZ
B3	10,6000	
	10,6125	
	10,6250	
	10,6375	
	10,6500	
	10,6625	
	10,6750	
	10,6875	
	10,7000	
	10,7125	
	10,7250	
	10,7375	
	10,7500	
	10,7625	
	10,7750	
	10,7875	
B2		
B1	1	1
BB	1	1

ZF-PROGRAMMIEUNG



GRUNDIG
R 4200