

Option Byte-Tabelle • Option Byte Table • Tableau Option Byte • Tabella Byte delle Opzioni • Tabla de bytes de opciones • Option Bytes tabel

Abgleichfunktion Alignement function Fonction d'alignement Funzione di comp Función de ajuste. Afstemmingsfuncties	Bit-Nr. No. N°. No. No. Nr.	Bedeutung Meaning Signification Significato Significación Betekenis	"0"	"1"	Einstellung ab Werk Adjusted in the factory Réglage en usine Registrazione in fabbrica Ajuste en fábrica Instelling af fabriek													
					454	457	550	557	750	843	851	853	855	856	858	951	956	
Byte 6	0	HDLC	time out	no time out	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	Klemmverst. RGB-Eingang VPC blank amplifier RGB input VPC	ACh	AOh	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2	frei free	—	—	0	0	0	0	0	0	0	0	0	0	0	0	0	
	3	frei free	—	—	0	0	0	0	0	0	0	0	0	0	0	0	0	
	4	frei free	—	—	0	0	0	0	0	0	0	0	0	0	0	0	0	
	5	frei free	—	—	0	0	0	0	0	0	0	0	0	0	0	0	0	
	6	frei free	—	—	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7	frei free	—	—	0	0	0	0	0	0	0	0	0	0	0	0	0	
Byte 7	0	frei free	4k	—	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	frei free		—	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2	frei free		—	0	0	0	0	0	0	0	0	0	0	0	0	0	
	3	frei free		—	0	0	0	0	0	0	0	0	0	0	0	0	0	
	4	Megatext DRAM-Refresh		2k—	0	0	0	0	0	0	0	0	0	0	0	0	0	
	5	frei free		—	0	0	0	0	0	0	0	0	0	0	0	0	0	
	6	frei free		—	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7	frei free		—	0	0	0	0	0	0	0	0	0	0	0	0	0	

EAROM-Liste • EAROM list • liste EAROM • lista EAROM • lista EAROM • EAROM lijst

Type	Art.-Nr.	Var	EAROM
Credo 7681 ZPW	59459	.62	F858
Credo 7681 ZPW	59459	.63	F858
Credo 7670 ZPW	59453	.32	F457
Credo 7670 ZPW	59453	.62	F457
Ergo 6781 ZPW	59452	.32	F858
Ergo 6781 ZPW	59452	.62	F858
Ergo 6772 ZP	59449	.32	F557
Ergo 6772 ZP	59449	.62	F557

Type	Art.-Nr.	Var	EAROM
Ergo 6770 ZPW	59448	.32	F457
Ergo 6770 ZPW	59448	.62	F457
Arcada 8784 ZP	59407	.32	F750
Arcada 8784 ZP	59407	.62	F750
Arcada 8772 ZP	59437	.32	F550
Planus 4781 ZPW	59417	.32	F851
Planus 4781 ZPW	59417	.62	F851
Aconda 9381 ZPW	59401	.32	F951

Type	Art.-Nr.	Var	EAROM
Aconda 9381 ZPW	59401	.62	F951
Aconda 9381 ZPW	59401	.66	F956
Xelos 5981 ZPW	59465	.62	F855
Xelos 5981 ZPW	59465	.66	F856
Xelos 5970 ZPW	59464	.62	F454
Xelos 5970 ZPW	59464	.67	F454
Xelos 5381 ZW	59420	.00	F843
Xelos 5381 ZW	59420	.60	F853

Option Byte-Tabelle • Option Byte Table • Tableau Option Byte • Tabella Byte delle Opzioni • Tabla de bytes de opciones • Option Bytes tabel

Abgleichfunktion Alignment function Fonction d'alignement Funzione di comp Función de ajuste. Afstemmingsfuncties	Bit-Nr. No. No. No. Nr.	Bedeutung Meaning Signification Significato Significación Betekenis	"0"	"1"	Einstellung ab Werk Adjusted in the factory Réglage en usine Registrazione in fabbrica Ajuste en fábrica Instelling af fabriek													
					454	457	550	557	750	843	851	853	855	856	858	951	956	
Byte 3	0	Bildformat (Standardwerte) Picture ratio (standard values)	zugelassen approved	gesperrt blocked	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	Bildgröße Picture size	4:3	16:9	1	1	0	0	0	1	1	1	1	1	1	1	1	
	2	Elektronische Progr. Führung (EPG) Electronic Program Guide (EPG)	nein no	ja yes	1	1	1	1	1	1	1	1	1	1	1	1	1	
	3	TV drehen TV rotation	nein no	ja yes	0	0	0	0	0	0	0	0	0	0	0	0	0	
	4	Abschaltautom. (ohne Synch.) Switch-off autom. (w/o Sync)	ein on	aus off	0	0	0	0	0	0	0	0	0	0	0	0	0	
	5	Warmlaufmodus (Fabrikmodus) Warm-up mode (Factory Mode)	aus off	ein on	0	0	0	0	0	0	0	0	0	0	0	0	0	
	6	PIP-Hintergrundfarbe im VGA-Mode PIP background	schwarz black	PIP-Rahmenfarbe PIP frame colour	1	1	1	1	1	1	1	1	1	0	1	1	0	
	7	Aktivierung des Startmenüs Start menu activ ate	gesperrt blocked	zugelassen approved	*	*	*	*	*	*	*	*	*	*	*	*	*	
Byte 4	0	VPC	neu new	alt old	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	Autom. Lautstärke Regelung (AVC) Automatic Volume Control (AVC)	langsam slow	schnell fast	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2	Ausschalten Fernsehgerät Switching-off TV set	mit Vorhang with curtain	ohne Vorhang w/o curtain	0	0	0	0	0	0	0	0	0	0	0	0	0	
	3	Dunkeltastung beim Umschalten (DVB) Blanking by switch-over (DVB)	ja yes	nein no	0	0	0	0	0	0	0	0	0	0	0	0	0	
	4	Autom. Filmkennung (AMD) AMD switch-over (AMD)	schnell fast	langsam slow	1	1	1	1	1	1	1	1	1	1	1	1	1	
	5	Warmlaufmodus (Fabrikmodus) Warm-up mode (Factory Mode)	zugelassen approved	verboten forbidden	1	1	1	1	1	1	1	1	1	1	1	1	1	
	6	Chroma invertiert (BESIC) Chroma inverted (BESIC)	ein on	aus off	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7	Standbild im VCR Mode Sill picture in VCR Mode	nein no	ja yes	1	1	1	1	1	1	1	1	1	1	1	1	1	
Byte 5	0	SUB 27 Befehle SUB 27 orders	ausgewertet evaluated	ignoriert ignored	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	AC3 Ton-Regelung AC3 sound control	aus off	ein on	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2	50 Hz Progressiv-Darstellung 50 Hz progressive prepresentation	aus off	ein on	0	0	0	0	0	0	0	0	0	0	0	0	0	
	3	60 Hz Progressiv-Darstellung 60 Hz progressive prepresentation	aus off	ein on	1	1	1	1	1	1	1	1	1	1	1	1	1	
	4	TVO	nein no	ja yes	0	0	0	0	0	0	0	0	0	1	0	0	1	
	5	EPG Test-Mode EPG test mode	aus off	ein on	0	0	0	0	0	0	0	0	0	0	0	0	0	
	6	HMM-Tastatur HMM keyboard	alt old	neu new	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7	AC3 Bus-Mode AG3 bus mode	Sony Format (MSP)	Philips Format	0	0	0	0	0	0	0	0	0	0	0	0	0	

* = 1 Einstellung ab Werk - Adjust in the factory - Réglage en usine - Registrazione in fabbrica - Ajuste en fábrica - Instelling af fabriek

* = 0 nach Senderprogrammierung - after channel programming - à programmation de canal - a programmazione canali - a programación emisoras - na Zenderprogramming

Option Byte-Tabelle • Option Byte Table • Tableau Option Byte • Tabella Byte delle Opzioni • Tabla de bytes de opciones • Option Bytes tabel

Abgleichfunktion Alignement function Fonction d'alignement Funzione di comp Función de ajuste. Afstemmingsfuncties	Bit-Nr. No. N°. No. No. Nr.	Bedeutung Meaning Signification Significato Significación Betekenis	"0"	"1"	Einstellung ab Werk Adjusted in the factory Réglage en usine Registrazione in fabbrica Ajuste en fábrica Instelling af fabriek												
					454	457	550	557	750	843	851	853	855	856	858	951	956
Byte 0		Terrestrischer Tuner	BGDK	Multinorm	1	1	1	1	1	0	1	1	1	1	1	1	1
		frei free	—		0	0	0	0	0	0	0	0	0	0	0	0	0
		frei free	—		0	0	0	0	0	0	0	0	0	0	0	0	0
		Rotations Modul	nein no	ja yes	0	0	0	0	0	1	1	1	1	1	1	1	1
		LOEWE SYSTEMS-Gerät LOEWE SYSTEMS TV set	nein no	ja yes	0	1	0	1	0	0	0	0	0	0	1	0	0
		Blaubild ohne Signal Blue picture w/o signal	ja yes	nein no	0	0	0	0	0	0	0	0	0	0	0	0	0
		VGA Modul	nein no	ja yes	1	0	0	0	0	0	0	0	1	0	0	0	0
		frei free	—		0	0	0	0	0	0	0	0	0	0	0	0	0
Byte 1		Zeitgest. Progr. Umschaltung Timing program change	ja yes	nein no	0	0	0	0	0	0	0	0	0	0	0	0	0
		Sync Slicer VPC	nicht beschrieben not described	beschrieben described	0	0	0	0	0	0	0	0	0	0	0	0	0
		WSS-Auswertung im VCR-Mode WSS Detection in VCR mode	nein no	ja yes	1	1	1	1	1	1	1	1	1	1	1	1	1
		VPC Sync Slicer Pegel im TV-Mode VPC Sync Slicer level in TV mode	TV-Pegel TV level	VCR-Pegel VCR level	0	0	0	0	0	0	0	0	0	0	0	0	0
		HMM-Sofort Start HMM immediately start	nein no	ja yes	0	0	0	0	0	0	0	0	0	0	0	0	0
		OEM Gerät OEM TV set	nein no	ja yes	0	0	0	0	0	0	0	0	0	0	0	0	0
		AMD für Filmmode, DVB... AMD for film mode, DVB...	deaktiv not activ	aktiv activ	1	1	1	1	1	1	1	1	1	1	1	1	1
		bei VGA Sync Ausfall at VGA mode sync cancellation	umschalten in TV-Mode flick in TV mode	VGA-Mode beibehalten keep VGA mode	0	0	0	0	0	0	0	0	0	0	0	0	0
Byte 2		FLOF	ein on	aus off	0	0	0	0	0	0	0	0	0	0	0	0	0
		Tonträger DK Soun carrier	6,5MHz/6,25MHz	6,5MHz/5,74MHz	0	0	0	0	0	0	0	0	0	0	0	0	0
		Blockier Mode VPC Lock Mode VPC	nein no	ja yes	1	1	1	1	1	1	1	1	1	1	1	1	1
		Dunkeltastung beim Umschalten Blanking by switch-over	ja yes	nein no	0	0	0	0	0	0	0	0	0	0	0	0	0
		Unterseiten-Vorspeicherung Sub pages prestorage	ja yes	nein no	0	0	0	0	0	0	0	0	0	0	0	0	0
		AGC memory	aus off	ein on	1	1	1	1	1	1	1	1	1	1	1	1	1
		Reaktionszeit auf FB-Befehle Reaction time of remote orders	schnell fast	langsam slow	0	0	0	0	0	0	0	0	0	0	0	0	0
		WSS (Wide Screen Signalling Bits)	ausgewertet evaluated	nicht ausgewertet not evaluated	0	0	0	0	0	0	0	0	0	0	0	0	0



7. Analog adjustments



7. Alignement analogique

Abgleichfunktionen außerhalb des Service-Mode (= analoge Abgleichpunkte)

Alignment functions outside the Service Mode (= analog alignment points)

Fonctions de alignement en dehors du mode service (points d'alignement analogiques)

Abgleich Adjustment Alignement	Signal Signal Signal	Vorraussetzung Condition Condition	Meßpunkt Mst. point Point de mes., Indic.	Einstellung Adjustments Réglage	Einstellwerte / Besonderheiten Settings / special features Valeurs de réglage, Particularités
1 Betriebsspannung Operating voltage Tension de service	Testbild Test pattern Mire	220/230V~	Bildschirm Screen Écran 	P 662 (Basic Board)	146V ± 0,5V (33") 4:3 146V ± 0,5V (32") 16:9 / RF 136V ± 0,5V (32") 16:9 136V ± 0,5V (29") 4:3 136V ± 0,5V (28") 16:9 Ggf. anschließend hor. Amplitude korrigieren! 146V ± 0,5V (33") 4:3 146V ± 0,5V (32") 16:9 / RF 136V ± 0,5V (32") 16:9 136V ± 0,5V (29") 4:3 136V ± 0,5V (28") 16:9 If necessary correct hor. amplitude afterwards! 146V ± 0,5V (33") 4:3 146V ± 0,5V (32") 16:9 / RF 136V ± 0,5V (32") 16:9 136V ± 0,5V (29") 4:3 136V ± 0,5V (28") 16:9 Le cas échéant, corriger ensuite l'amplitude horizontale.
Focus Focus Foyer	Testbild Test pattern Mire		Bildschirm Screen Écran	Focus am Zeilentrafo oder Reglereinheit Focus at the line trans- former or controller unit Foyer sur le transform- teur de balayage horizontal ou unité de réglage!	Optimale Einstellung Optimum settings Réglage optimal



6. Abgleichfunktionen (22-33)



6. Alignment functions (22-33)

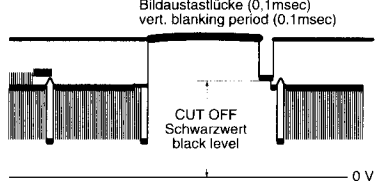
Abgleichfunktion Alignment functions		Anzeige - Bildschirm z.B. Display - Screen e.g.	Einstellwerte / Besonderheiten Settings / special features
22	Farbhilfsträger-Osz. Subcarrier Osc.	Colour VCO: main stop start	Schwebungsnull einstellen (autom. Abgleich/getrennt für PAL, NTSC, SECAM) Adjust zero beat (autom. adjustment/separate adjustments for PAL, NTSC, SECAM)
23	Farbhilfsträger-Osz. Subcarrier Osc.	Colour VCO: PIP stop start	Schwebungsnull einstellen (autom. Abgleich/getrennt für PAL, NTSC, SECAM) Adjust zero beat (autom. adjustment/separate adjustments for PAL, NTSC, SECAM)
24	Y-Verzögerung Y Delay	Other adjustments Y delay xxx	Optimale Einstellung (getrennt für PAL, NTSC, SECAM) Optimum setting (separate adjustments for PAL, NTSC, SECAM)
25	Encoder Y-Verzögerung Encoder Y Delay	Other adjustments Encoder Y Delay xxx	Optimale Einstellung Optimum settings
26	Helligkeits-Offset Brightness Offset	Other adjustments Subbrightness xxx	Keine Einstellung vornehmen! Don't adjust!
27	Kontrast-Steilheit Subcontrast	Other adjustments Subcontrast xxx	
28	OSD-Kontrast OSD Contrast	Other adjustments OSD Contrast xxx	Optimale Einstellung Optimum settings
29	Rotation	Other adjustments Rotation xxx	
30	Vertikal-Lage VT Vertikal Pos. TT	Other adjustments Text Position V xxx	
31	Horizontal-Lage VT Horizontal Pos. TT	Other adjustments Text Position H xxx	
32	Vertikal-Lage PiP Vertikal Pos. PiP	Other adjustments PiP Position V xxx	
33	Horizontal-Lage PiP Horizontal Pos. PiP	Other adjustments PiP Position H xxx	



Abgleichfunktionen (13-21)



5. Alignment functions (13-21)

Abgleichfunktion Alignment functions		Anzeige - Bildschirm z.B. Display - Screen e.g.	Einstellwerte / Besonderheiten Settings / special features
13a	Cutoff-Meßimpuls Cutoff Measuring Pulse	Cutoff Red xxx Green xxx Blue xxx	An den Farbendstufen messen (MP 33s, 33t, 33u), welche die höchste Spannung zeigt. Mit Ug2-Regler im DST oder Reglerblock einstellen: Cutoff = $158 \pm 2,5V$ DC [Vor dieser Einstellung muß Kontrast auf 50, Helligkeit auf 23 und Farbsättigung auf 32 eingestellt werden. Für alle 3 Farben muß Cutoff auf 20 und Weißwert (14) auf 63 stehen! Für 16:9 Geräte muß 16:9 eingeschaltet sein.] At colour output stage (MP 33s, 33t, 33u) check the highest of the displayed tension. Use Ug2 controller in DST or controller unit to adjust: Cutoff = $158 \pm 2.5V$ DC [Before that adjustment contrast has to be set to 50, brightness to 23 and colour saturation to 32. For all 3 colours Cutoff must display 20 and White Level (14) 63! All 16:9 TV sets have to be set to 16:9 mode!] 
13b	Cutoff-Referenzwert Cutoff Reference Value	Cutoff Red xxx Green xxx Blue xxx	In der Graufäche die beiden fehlenden Farben soweit erhöhen, bis Normschwarz erscheint, anschließend mit Taste "OK" abspeichern. In the grey area rise the missing two colours until black becomes standard, then store these values with "OK" key.
14	Weißwert White Level	White drive Red xxx Green xxx Blue xxx	In der Weißfläche die beiden dominierenden Farben soweit reduzieren, bis Normweiß erscheint, anschließend Werte mit Taste "OK" abspeichern. In the white area reduce the dominant two colours until black becomes standard, then store these values with "OK" key.
15	Option bytes	Option byte 0 Bit 7 6 5 4 3 2 1 0 x x x x x x x x	Achtung! Hier nur Eingaben machen und Speicherung vornehmen a) im notwendigen Reparaturfall b) bei gewünschten Programm-/Normänderung: Abgleichart siehe Option Bytes Tabelle Caution! Here inputs and memorizing: a) in the event of necessary repairs b) if you wish to alter programs/norms For alignment method see Option Bytes Table
16	Option bytes	Option byte 1 Bit 7 6 5 4 3 2 1 0 x x x x x x x x	
17	Option bytes	Option byte 2 Bit 7 6 5 4 3 2 1 0 x x x x x x x x	
18	Option bytes	Option byte 3 Bit 7 6 5 4 3 2 1 0 x x x x x x x x	
19	Option bytes	Option byte 4 Bit 7 6 5 4 3 2 1 0 x x x x x x x x	
20	Option bytes	Option byte 5 Bit 7 6 5 4 3 2 1 0 x x x x x x x x	
21	Option bytes	Option byte 6 Bit 7 6 5 4 3 2 1 0 x x x x x x x x	



Adjustment procedures

Service-Mode MediaPlus

30.10.99

1. Function

Service mode enables the comparison of EAROM variables and permits unit programming via the service interface using a PC/TV programmer. The PC/TV programmer connects an available PC to the service interface of the TV via V24. Using the software provided, the service representative can easily perform the standard unit programming required for his region (channel numbers, program names, e.g. for cable networks) within seconds. This can also be used to edit and save EAROM as a file on the PC.

Important

A software update for the digital/TV board (DVB) is **only** possible via the PC/TV programmer.

The PC/TV programmer is available from the Loewe customer service centre in Kronach (Item No. 87933-050).

The PC/TV programmer is intended for the MediaPlus chassis generation and subsequent generations. It is not suitable for older chassis generations.

No further explanations are required at this point, since detailed operating instructions are provided with this useful service facility.

2. Entering Service Mode

The Adjustment sequence for the service mode is indicated in the pictures: "Arrangement of the service mode commands on the remote control" (p. 25).

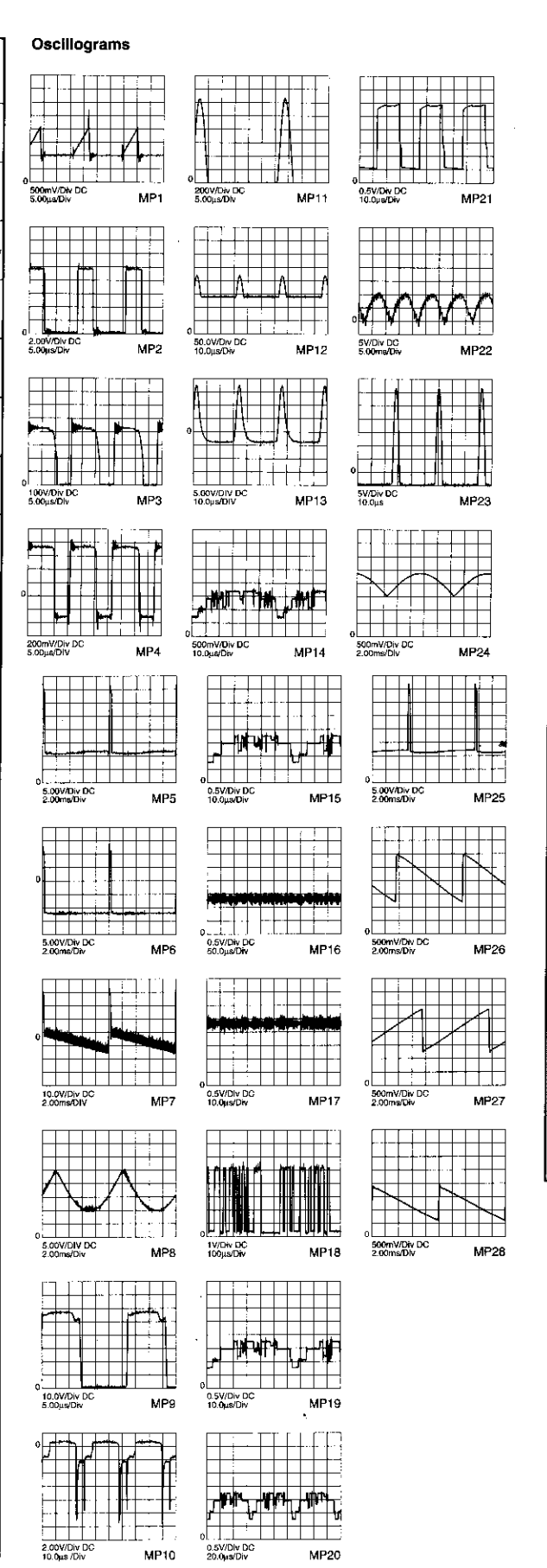
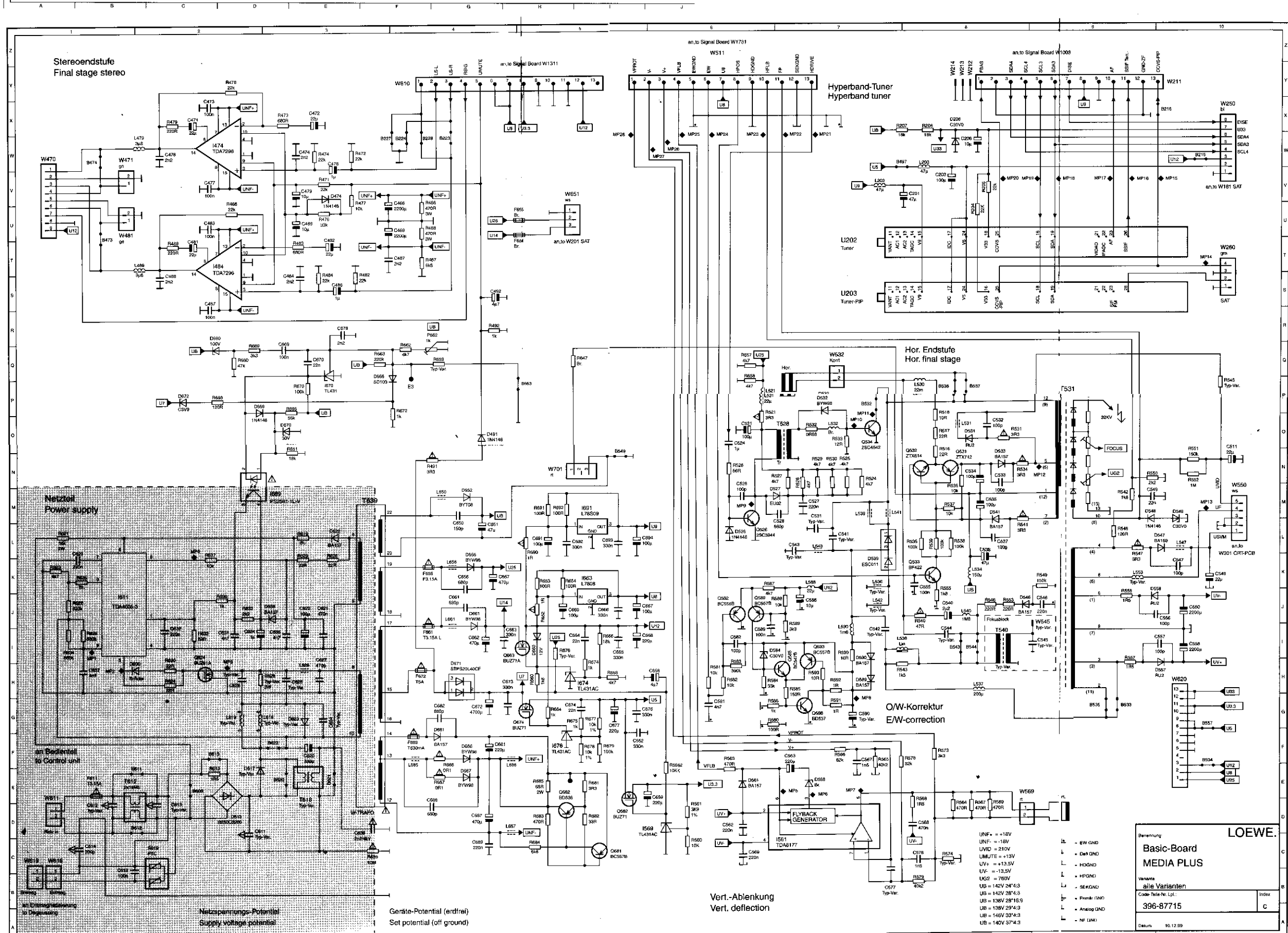
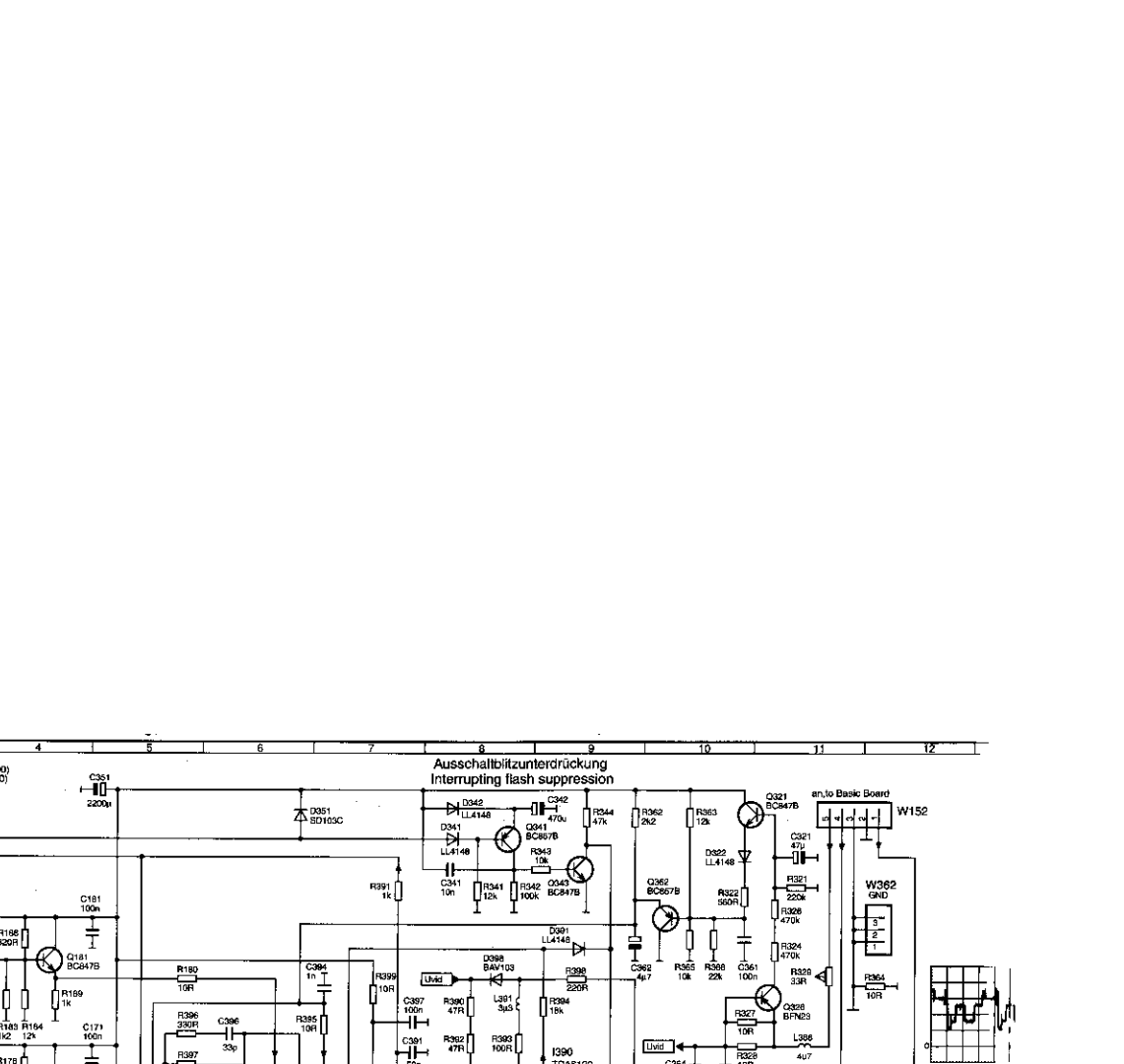
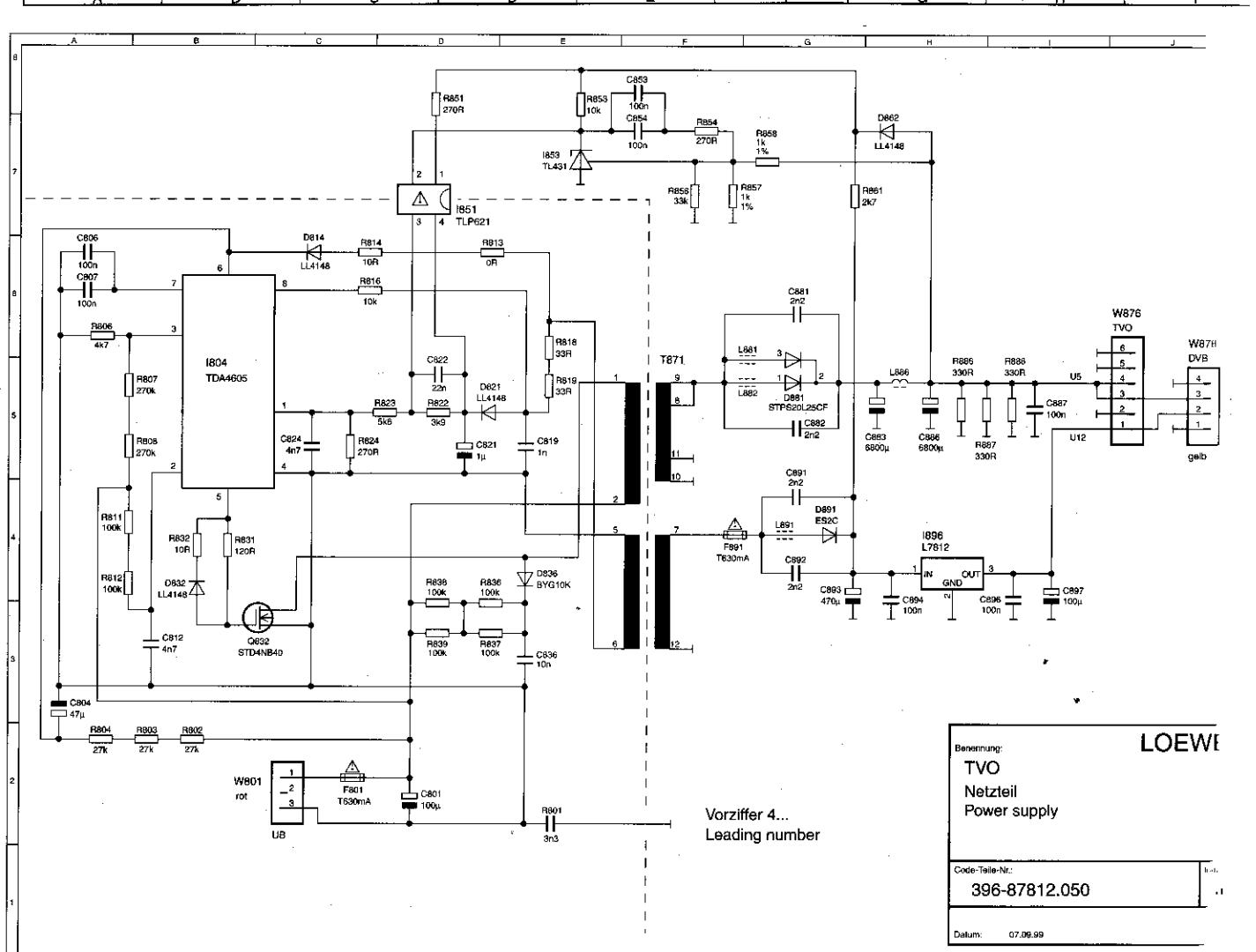
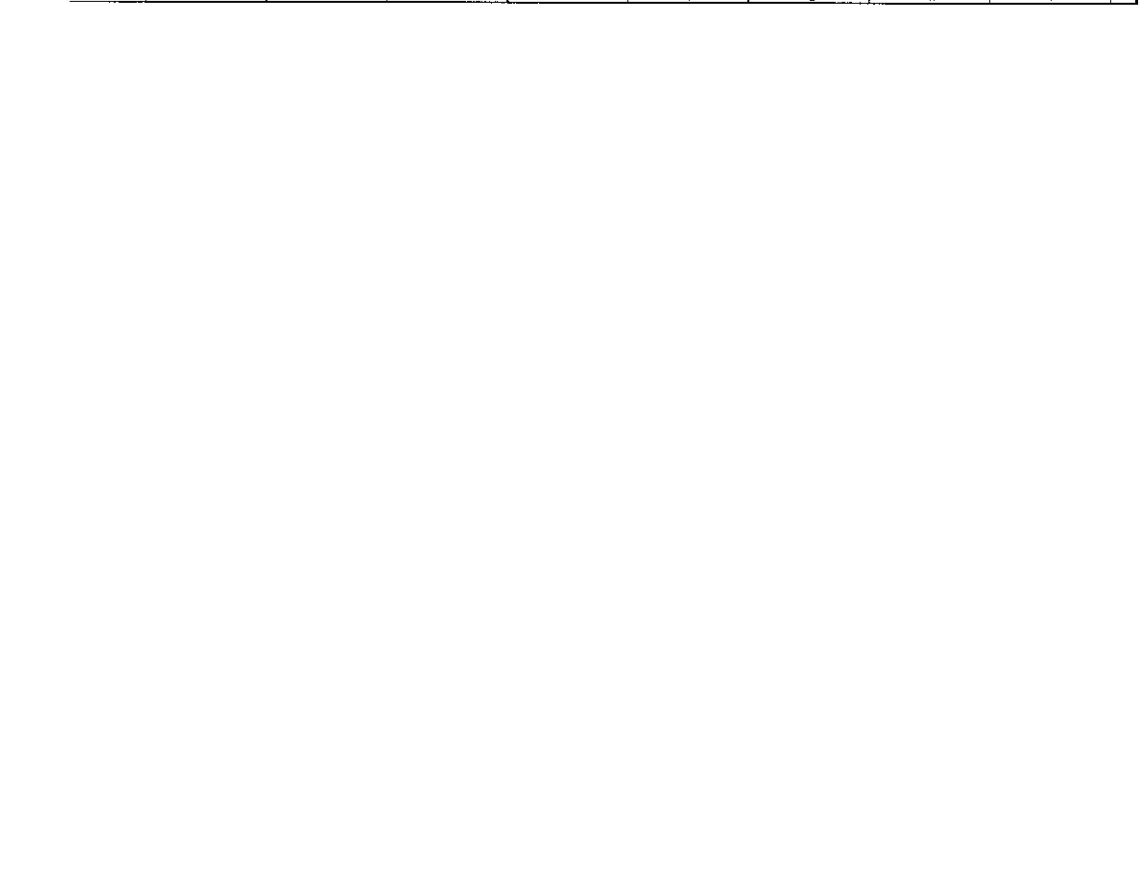
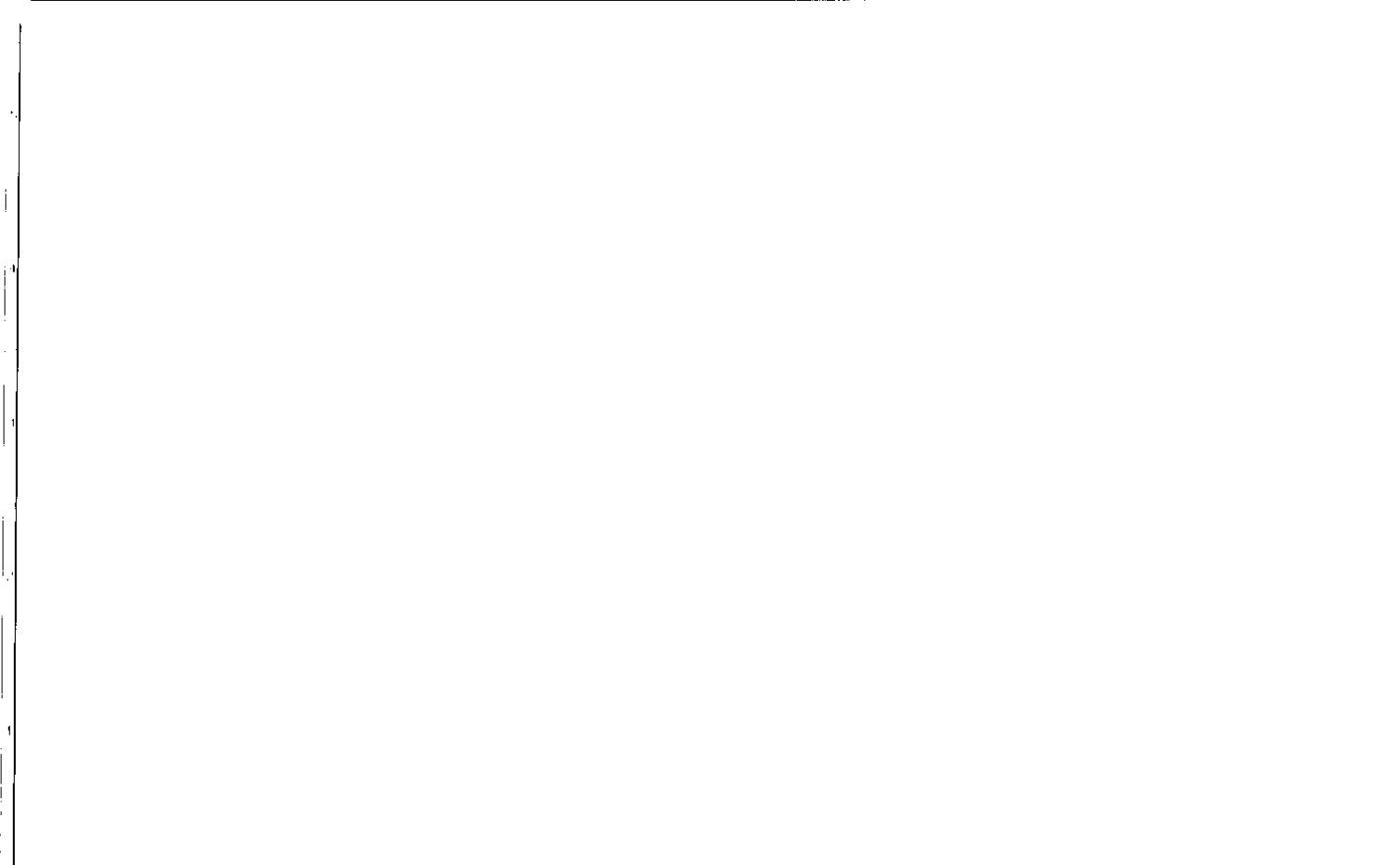
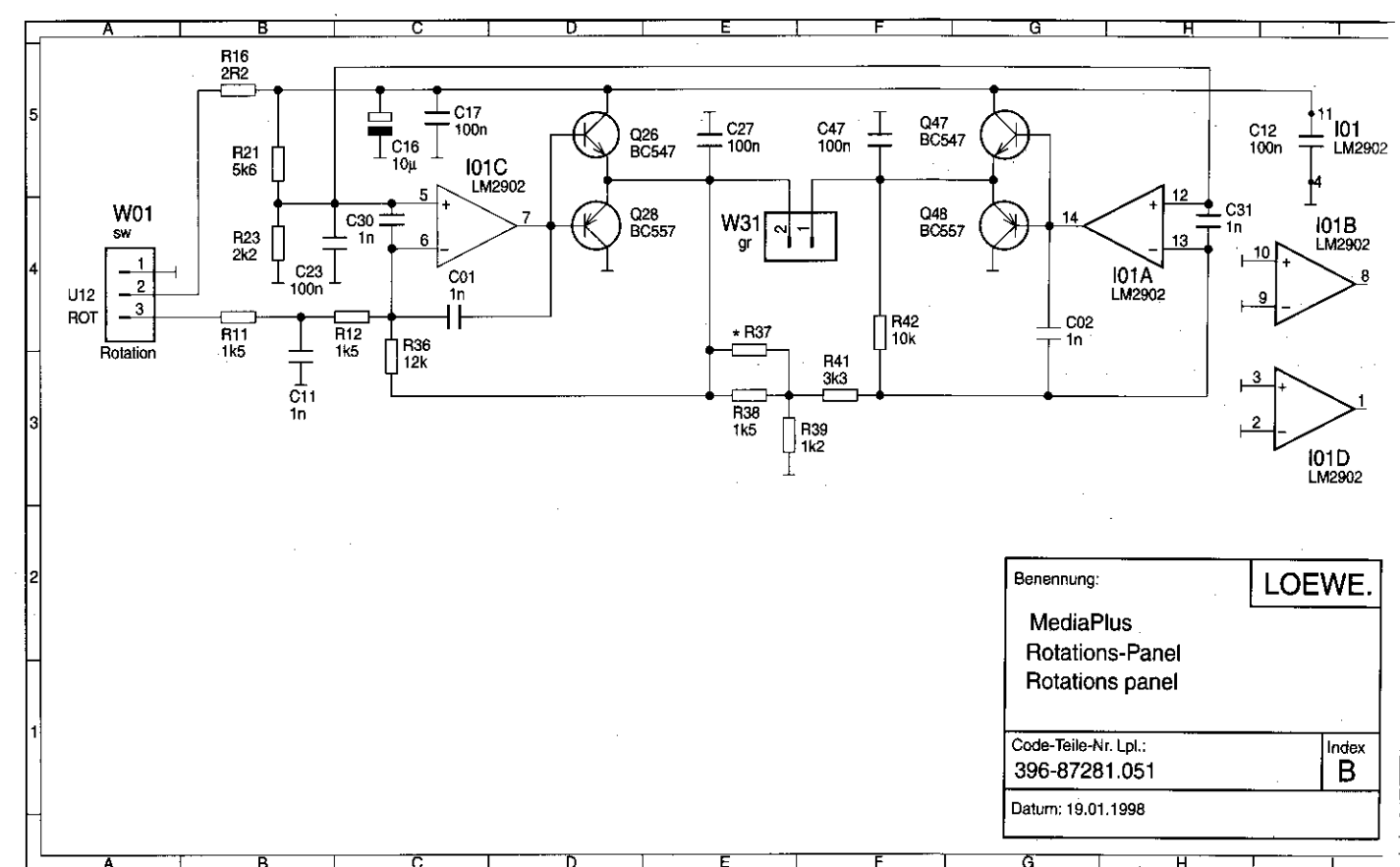
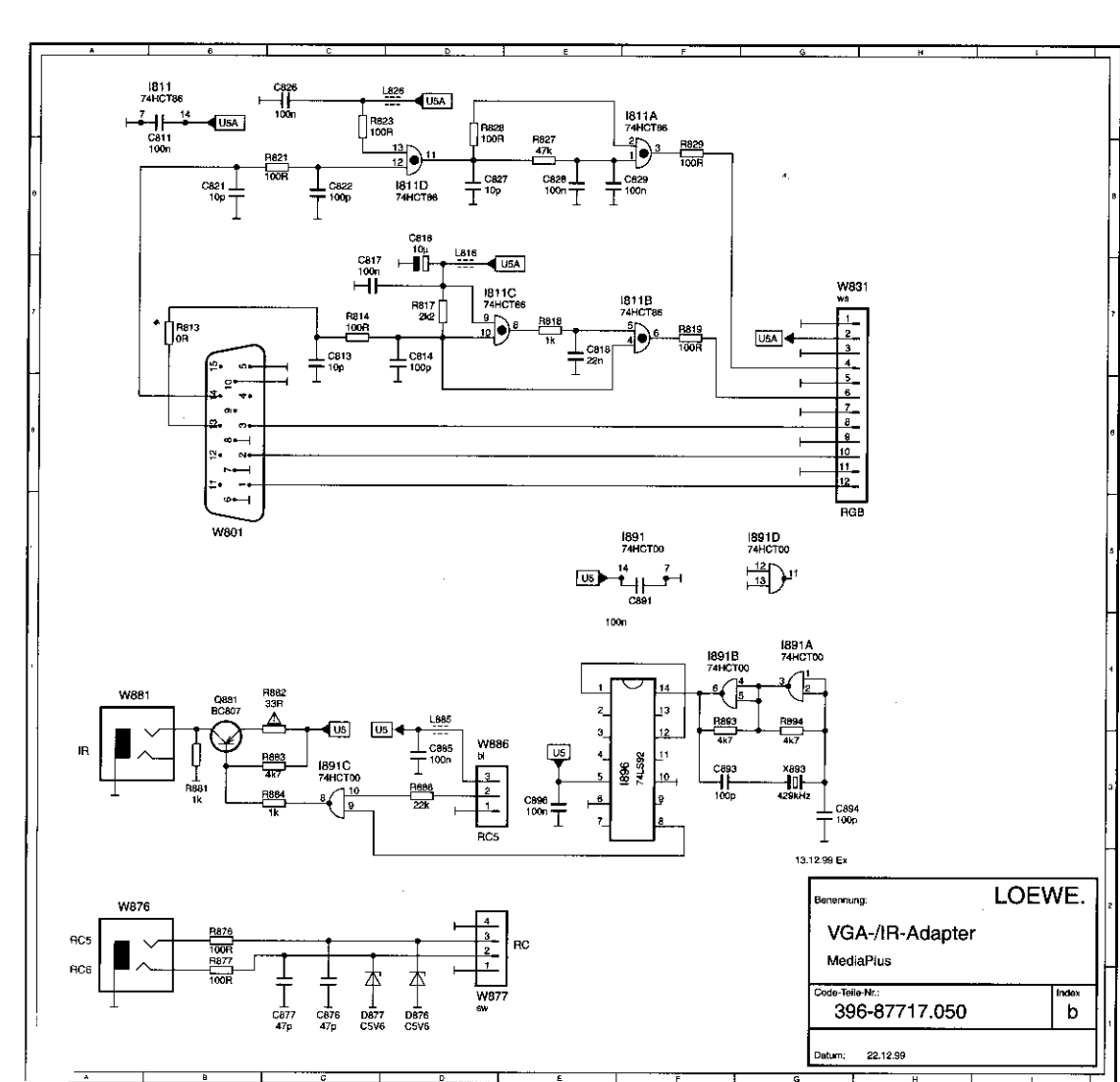
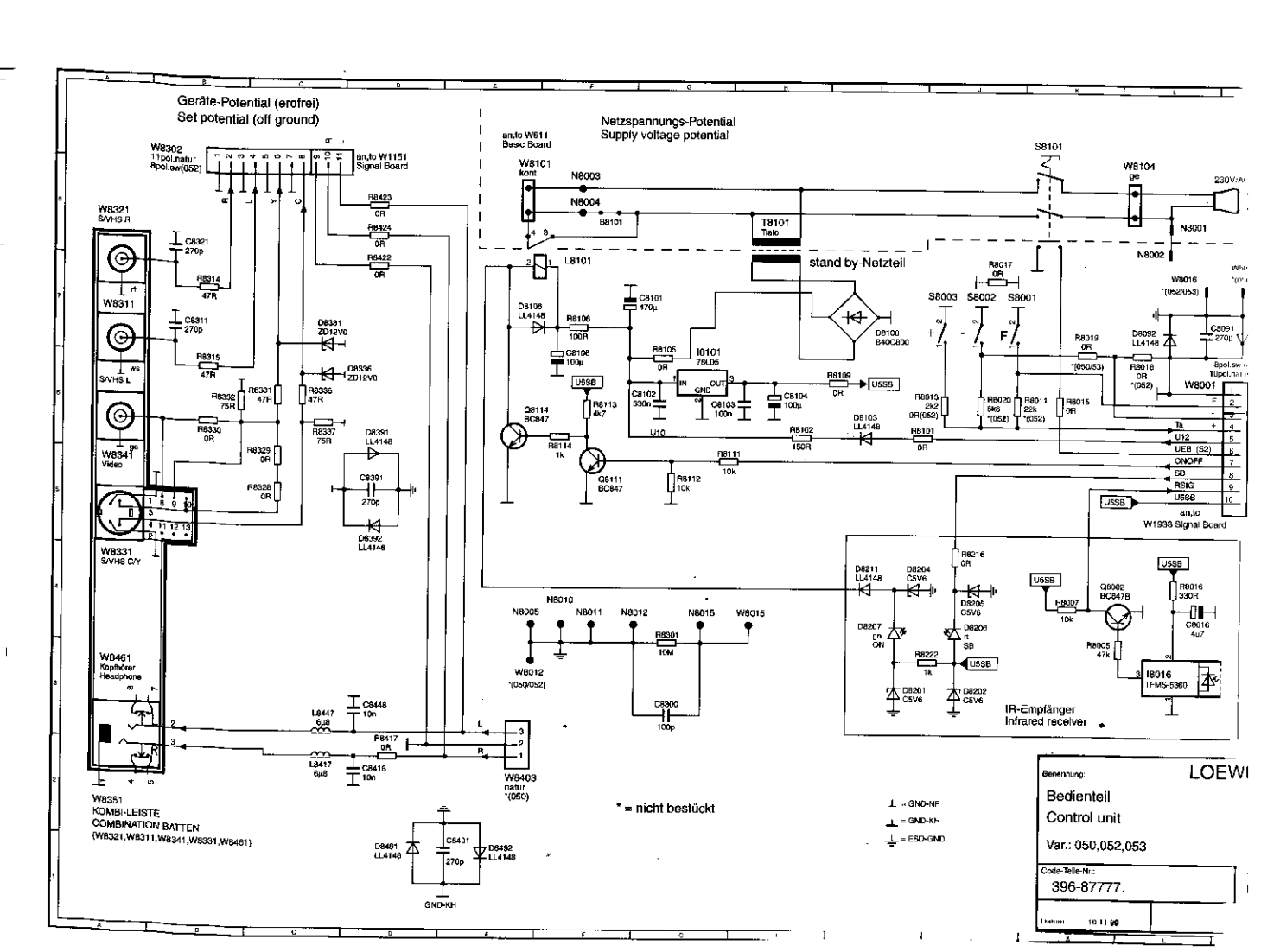
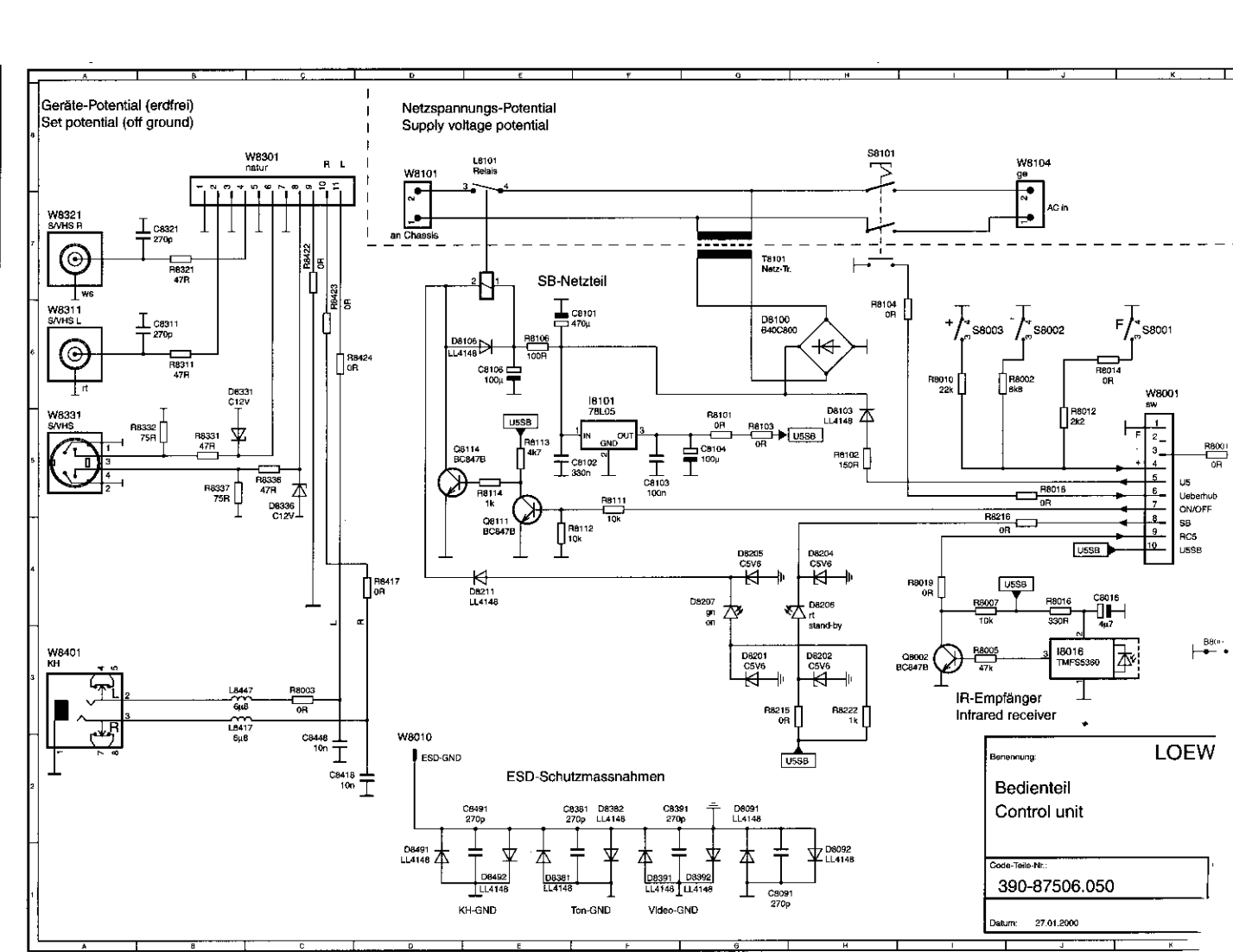
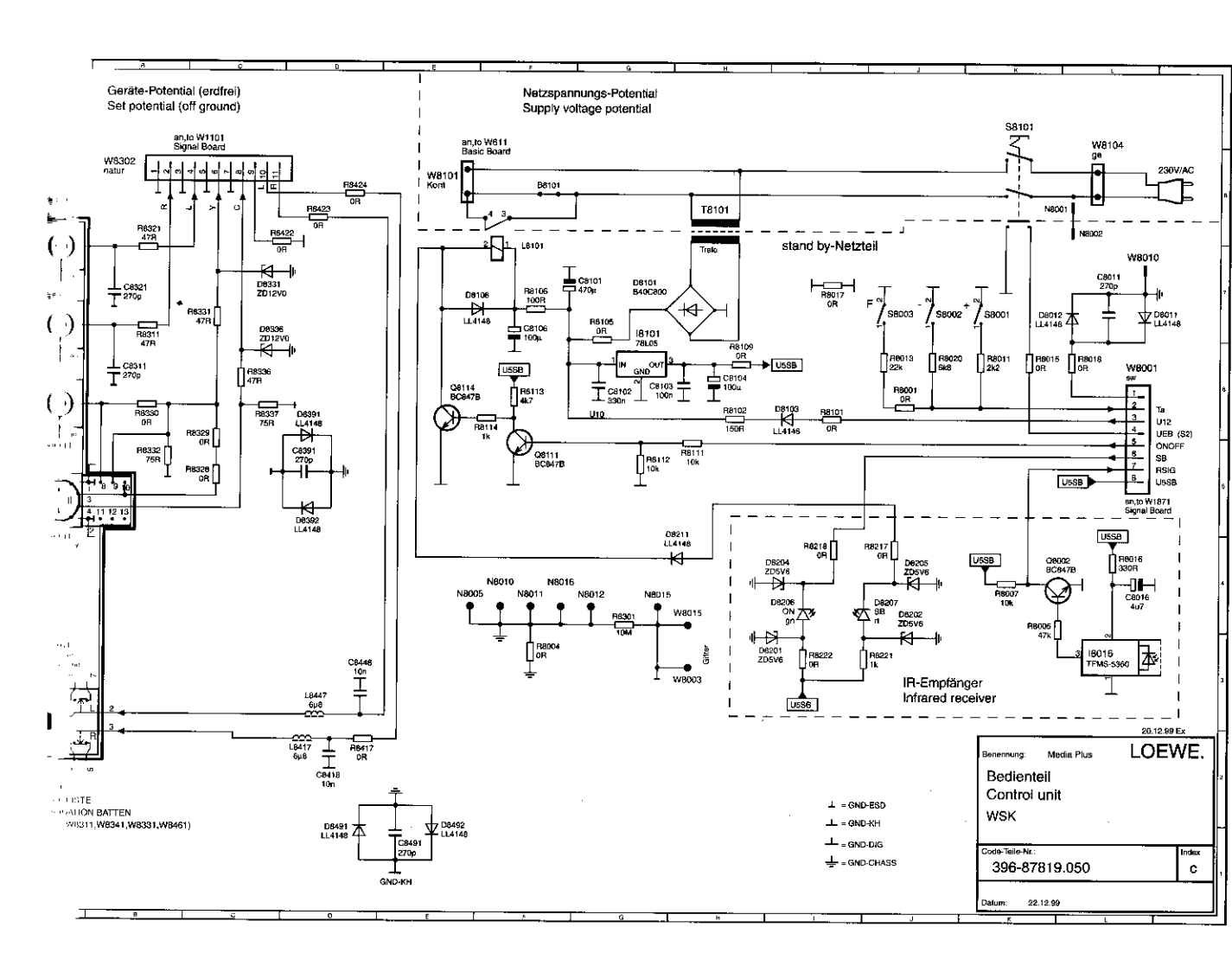
The set is now in the service mode basic routine and documents this with the following on-screen display (Servicem menu).

3. Instructions on Geometry Alignment

Vertical amplitude, Vertical position, Vertical symmetry, Hor. amplitude, Hor. phase, E-W corr., Trapezium comp., etc will be adjusted separately for 50/60Hz vertical frequencies. Therefore they have to be regulated separately.

CRT:	4:3	16:9
	Test pattern:	Test pattern:
- 50Hz	4:3	16:9
- 60Hz	4:3	16:9

Abgleichfunktion Alignment functions Fonction d'alignement		Anzeige - Bildschirm z.B. Display - Screen e.g. Affichage écran p.ex.	Settings / special features
0	Vertikal-Amplitude Vertical Amplitude Amplitude Vertical	Geometrie V Amplitude xxx	Optimale Einstellung Optimum setting Réglage optimal FuBK-Farbtestbild Color test pattern (FuBK) Mire de couleur (FuBK)
1	Vertikal-Lage Vertical Position Position Vertical	Geometrie V Position xxx	
2	Vertikal-Symmetrie Vertical Symmetry Symétrie Vertical	Geometrie V Symmetry xxx	
3	Vertikal-Linearität Vertical Linearity Linéarité Vertica	Geometrie V Linearity xxx	
4	Horizontal-Amplitude Horizontal Amplitude Amplitude Horizontal	Geometrie H Amplitude xxx	Separate adjustments for the various screen settings.
5	Horizontal-Lage Horizontal Position Position Horizontal	Geometrie H Position xxx	
6	OW-Amplitude EW Amplitude Amplitude EO	Geometrie EW Amplit. xxx	Optimale Einstellung Optimum settings Réglage optimal
7	OW oben EW upper En haut EO	Geometrie EW Upper xxx	
8	OW unten EW lower en bas EO	Geometrie EW Lower xxx	
9	Trapez-Korrektur Trapezium Correction Correction Trapéze	Geometrie Trapezium xxx	
10	Vertikal Bogen Vertical Bow Arc Verticale	Geometrie V Bow xxx	
11	Vertikal Winkel Vertical Angle Angle Vertical	Geometrie V Angle xxx	
12	Horizontal Offset	Geometrie H Offset xxx	



Pos.	Var.1	Var.2	Var.3	Var.4	Var.5	Var.6	Var.7
C831	2n2	2n7	3n0	2n7	2n2	3n0	2n2
C841	9n4	9n1	8n9	7n5	8n8	8n8	8n8
C842	800n	680n	800n	500n	500n	500n	500n
C843	30n	25n	25n	25n	25n	25n	25n
C844	900n	900n	500n	750n	680n	900n	680n
C845	820p	820p	820p	820p	820p	820p	820p
C877	1n	3n3	3n3	1n5	1n	3n3	1n
C880	4u7	4u7	4u7	4u7	4u7	4u7	4u7
C811	220n	220n	220n	220n	220n	220n	470n
C812	220n	220n	220n	220n	220n	220n	470n
C813	220n	220n	220n	220n	220n	220n	470n
C824	33n	33n	33n	33n	33n	33n	820p
C826	33n	33n	33n	33n	33n	33n	22n
D817	BYT 13-1	BYT 13-1	BYT 13-1	BYT 13-1	BYT 13-1	BYT 13-1	BYT 13-1
D823	STTA096F	STTA096F	STTA096F	STTA096F	STTA096F	STTA096F	STTA096F
L836	Ferr.	Ferr.	Ferr.	Ferr.	Ferr.	Ferr.	Ferr.
L842	Ferr.	Ferr.	Ferr.	Ferr.	Ferr.	Ferr.	Ferr.
L853	44u	44u	44u	39u	39u	44u	39u
L818	3	3n3	3n3	3n3	3n3	3n3	1Mh E30
R845	0R55	1R	1R	0R69	0R69	1R	0R69
R828	39k	39k	39k	39k	39k	39k	39k
R859	22k	22k	22k	15k	15k	22k	15k
R876	4k7	3k3	3k3	3k3	3k3	3k3	3k3
T840	AT 4043	AT 4043	AT 4043	AT 4043	AT 4043	AT 4043	AT 4043
T818	18M5	18M5	18M5	18M5	18M5	18M5	18M5
W845	U82	U82	U82	U82	U82	U82	U82

