

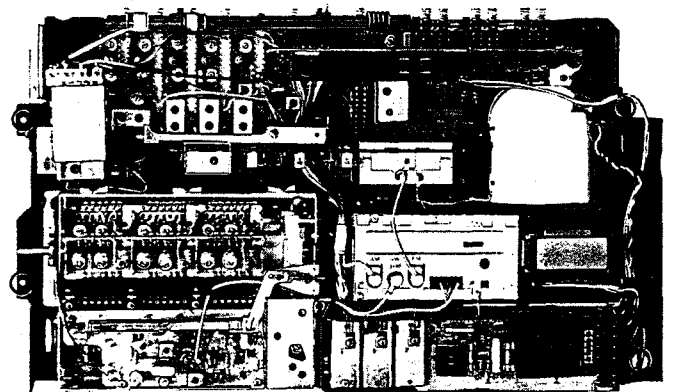
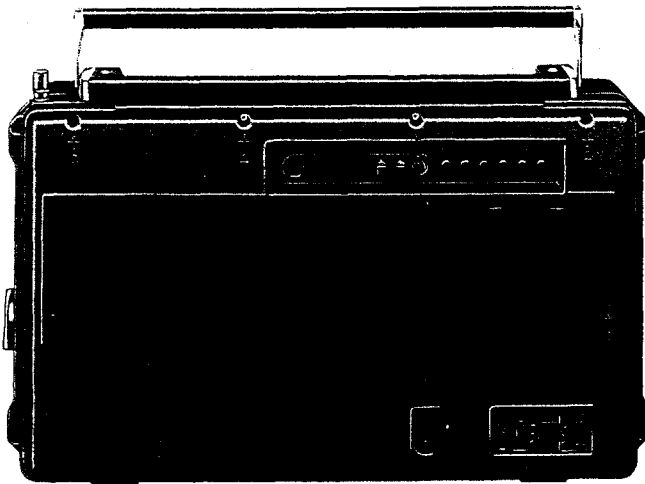


3/79

Satellit 3400 professional

Removal of Chassis

1. Pull out the mains cable connector and remove any dry or rechargeable batteries which may be in the receiver.
2. Loosen 9 screws (b) and remove back plate (Fig. 1).
3. Pull out the telescopic aerial connector.
4. Unscrew tuner switching knob on the spindle inside the receiver.
5. Unscrew 2 screws in the bottom cover and remove the cover.
6. Pull off 9 rotary and switching knobs.
7. Loosen the 4 screws marked in Fig. 2.
8. Carefully remove chassis and unplug the connector.



Alignment Instructions

All the voltages must be adjusted with the aid of a sufficiently accurate instrument (eg: Grundig DM44) and the given voltages should be kept certainly within the stated tolerances.

I Adjustment of the Operating Points

No signal: $V_C = 9V$: MW button depressed.

1. With control R 636 ($2k\Omega$), adjust the quiescent current of the output stage T 606 (GD 363), T 607 (GD 364) to $6mA \pm 1mA$ (instead of the bridge, connect milliampmeter to collector of the GD 364). During this adjustment, the loudspeaker connection must be terminated with an impedance of 4Ω and the volume control must be turned fully anti-clockwise.
2. Adjust the emitter current of T 502 with R 507 ($100k\Omega$) so that the voltage drop across R 508 (680Ω) is 1.4V.
3. With the BFO/SSB section switched in circuit, adjust the trimmer resistor R 703 ($5k\Omega$) so that the voltage drop across R 704 ($2.7k\Omega$) is 5V.

II Adjusting the Charging Voltage V_C

With a mains supply of 240V AC and the receiver switched off, adjust R 658 ($1k\Omega$) so that the charging voltage V_C into an equivalent resistance of $1k\Omega$ and an elco of $1000\mu F$ is $9.1V \pm 50mV$.

Important: The power supply unit should have been "on" for approx. 2 minutes prior to this adjustment being carried out.

III Frequency Counter

1. With a supply voltage of 9V and the AM reset figure of 99.540 in the counter display (no button depressed) adjust R 876 ($5k\Omega$) to give an output voltage from the converter at test point MP 802 (STV 801 (4)) of $5.15V \pm 50mV$. (As an alternative, the output voltage may be set outside the receiver with a 39Ω (1W) resistor across the 5V converter).
2. Adjust the trimmer capacitor C 354 so that the reference frequency at test point MP 801 is $320kHz \pm 1Hz$.

IV AM Alignment

Bandwidth switch to setting "schmal" (= narrow), mod. freq. $\leq 1000\text{Hz}$.

1. AM-IF

a) AM-IF Alignment 460kHz

Alignment sequence	Wobulator output connected to	Indicator connection	Alignment
IF-filter XVII	MP 502	Probe loose on collector T502 (MP 503)	(I) For maximum
IF-filter XVII and XVI	MP 501		(II) and (III) for maximum
IF-filter XV and XIII ("K3-10" depressed)	MP 202		(IV) For symmetry (V) For maximum and symmetry
IF-filter XIV (MW depressed)	MP 401		(V) For maximum and symmetry

b) 2.46MHz-Oscillator

Alignment sequence	Signal generator coupled to	Alignment indication	Alignment
2. Oscillator 2.46MHz	VP 202	Output meter	(VIII) Visually to centre of C 259 (VII) For maximum (VIII) Fine adjustment C 259

c) AM-IF Alignment 2MHz

Alignment sequence	Wobulator output connected via isolating capacitor to	Indicator connection	Alignment
IF-filter XI	MP 201	to MP 202	At an input of 50mV (X) for min. dip
IF-filter XII			(IX) for maximum
C 214			At 500mV input, the IF curve must be adjusted with (XI), without raising the base of the curve, for max. steepness

2. AM-Oscillator, Filter and Aerial Circuit Alignment

Range Frequency Pointer Setting	Oscillator	Filter Circuit	Aerial circuit	Ferrite aerial circuit	Input sensitivity at 30% modulation 400Hz				Image Rejection db	Oscill. voltage		
					6db	26db	1 W			At oscillator emitter	At mixer emitter	
					Narrow	Wide						
LW	160 kHz	① Maximum	③ Maximum	⑥ Maximum	⑧ Maximum	6 μV	65 μV	32 μV	24 μV	67	115 ... 100 mV	90 ... 80 mV
	370 kHz 240 kHz	② Maximum	④ Maximum ⑤ Maximum	⑦ Maximum	⑨ Maximum	6.8 μV	75 μV	22 μV	16 μV	67		
MW	560 kHz	⑩ Maximum	⑫ Maximum	⑮ Maximum	⑰ Maximum	3.3 μV	40 μV	16 μV	12 μV	72	65 ... 75 mV	60 ... 70 mV
	1450 kHz 1000 kHz	⑪ Maximum	⑬ Maximum ⑭ Maximum	⑯ Maximum	⑱ Maximum	3.6 μV	44 μV	20 μV	15 μV	64		
K1	1,7 MHz	⑲ Maximum	⑳ Maximum	㉔ Maximum		3,7 μV	45 μV	13 μV	9 μV	70	65 ... 85 mV	60 ... 80 mV
	3,4 MHz 2,5 MHz	㉚ Maximum	㉗ Maximum ㉛ Maximum	㉝ Maximum		1,5 μV	20 μV	10 μV	7 μV	57		
K2	3,4 MHz	㉞ Maximum	㉘ Maximum	㉟ Maximum		2 μV	28 μV	12 μV	8 μV	61	60 ... 80 mV	60 ... 80 mV
	5,0 MHz	㉟ Maximum	㉙ Maximum	㉡ Maximum		1,5 μV	20 μV	11 μV	7 μV	52		

Remarks: The oscillator can be aligned in any sequence; for the filter circuit, first K1, then K2 must be aligned. Note the basic coil positions. The ferrite aerial circuit is aligned in the sequence LW, MW. To tune the LW and MW aerial circuits when an external aerial is used; the signal generator is connected via a 68pF capacitor to the external aerial socket (Y button depressed); to tune the SW aerial circuits (Y button not depressed), the signal generator is connected to the rod aerial connection.

3. SW-Tuner (K3-K10) sliding switch set to "Bereich" (=Range) or "Band" (=Tape)

Range/Band.	Alignment Point	Input sensitivity at 30% Modulation 400Hz:				Image Rejection db	Osc. voltage At oscillator emitter	At mixer emitter	
		6dB	26dB	1W narrow	1W wide				
K 3	5,0 - 6,65 MHz	5,2 MHz	0,65 μ V	10 μ V	1,9 μ V	1,3 μ V	76	90 ... 110 mV	85 ... 105 mV
		6,5 MHz	0,5 μ V	8 μ V	1,9 μ V	1,3 μ V	69		
49 m	5,93 - 6,25 MHz	6,1 MHz	0,5 μ V	8 μ V	1,8 μ V	1,2 μ V	70	100 mV	95 mV
K 4	6,6 - 8,4 MHz	6,7 MHz	0,55 μ V	10 μ V	2 μ V	1,4 μ V	72	100 ... 115 mV	95 ... 110 mV
		8,3 MHz	0,5 μ V	8 μ V	2 μ V	1,5 μ V	66		
41 m	7,0 - 7,31 MHz	7,2 MHz	0,5 μ V	8 μ V	1,9 μ V	1,3 μ V	69	105 mV	100 mV
K 5	8,2 - 10,55 MHz	8,3 MHz	0,5 μ V	8 μ V	1,7 μ V	1,2 μ V	70	90 ... 105 mV	85 ... 100 mV
		10,2 MHz	0,45 μ V	7 μ V	1,7 μ V	1,2 μ V	63		
31 m	9,45 - 9,85 MHz	9,7 MHz	0,45 μ V	7 μ V	1,6 μ V	1,1 μ V	64	95 mV	90 mV
K 6	10,5 - 13,2 MHz	10,8 MHz	0,45 μ V	7 μ V	1,6 μ V	1,1 μ V	65	110 ... 125 mV	105 ... 115 mV
		13,0 MHz	0,4 μ V	6,5 μ V	1,7 μ V	1,2 μ V	59		
25 m	11,65 - 12,05 MHz	11,8 MHz	0,4 μ V	6,5 μ V	1,5 μ V	1 μ V	62	115 mV	105 mV
K 7	12,9 - 16,3 MHz	13,0 MHz	0,4 μ V	7 μ V	1,7 μ V	1,2 μ V	63	95 ... 105 mV	90 ... 100 mV
		16,0 MHz	0,35 μ V	6 μ V	1,8 μ V	1,3 μ V	54		
19 m	15,05 - 15,65 MHz	15,3 MHz	0,35 μ V	6 μ V	1,7 μ V	1,2 μ V	57	100 mV	90 mV
K 8	15,8 - 19,8 MHz	16,0 MHz	0,35 μ V	6 μ V	1,5 μ V	1 μ V	57	80 ... 90 mV	75 ... 85 mV
		19,5 MHz	0,35 μ V	6 μ V	1,7 μ V	1,2 μ V	47		
16 m	17,45 - 18,05 MHz	17,8 MHz	0,35 μ V	6 μ V	1,5 μ V	1 μ V	52	80 mV	75 mV
K 9	18,35 - 23,5 MHz	18,7 MHz	0,4 μ V	6,5 μ V	1,7 μ V	1,2 μ V	54	85 ... 95 mV	75 ... 85 mV
		23,0 MHz	0,4 μ V	7 μ V	2,2 μ V	1,6 μ V	44		
13 m	20,95 - 21,85 MHz	21,6 MHz	0,4 μ V	6,5 μ V	1,9 μ V	1,3 μ V	46	85 mV	75 mV
K 10	23,4 - 30 MHz	24,0 MHz	0,4 μ V	7 μ V	2,2 μ V	1,6 μ V	50	100 ... 110 mV	75 ... 80 mV
		29,5 MHz	0,4 μ V	7 μ V	2,8 μ V	2 μ V	38		
11 m	25,5 - 26,4 MHz	25,8 MHz	0,4 μ V	7 μ V	2,2 μ V	1,6 μ V	45	100 mV	75 mV

Remarks: The tuner must be aligned very carefully. As the screening cover and the tuner scale affect the tuning, this should be borne in mind when the circuit is being aligned. Alignment may be carried out in any sequence, except that the band must not be aligned until the range alignment has been completed.

For the aerial circuit alignment, the signal generator is connected via 20pF to the base of the telescopic aerial.

Oscillating voltage at the second oscillator: Oscillator emitter 60mV

Mixer emitter 55mV

4. Adjustment of Field Strength Meter on AM

With the AM-alignment completed, adjust the reading on the meter at $f = 1.7\text{MHz}$ (K 1) and an input of $30\mu\text{V}$ to "1", using R 519 ($25\text{k}\Omega$) and at an input of 100mV to "9" using R 514 ($500\text{k}\Omega$). This adjustment should be repeated at least once.

5. Alignment of the SSB Section

Oscillator Alignment

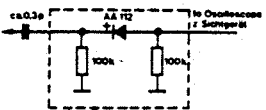
Set the BFO/SSB switch to "Aus" (=off). In the K3-10 mode, eg: in the 49 metre band at 6.1MHz , and with a modulation frequency of about 400MHz , adjust the receiver very accurately for maximum reading either on the output meter at low level or on the field-strength meter at higher level.

Set trimmer C 711 $\text{\textcircled{26}}$ visually to mid-position.

Set BFO/SSB switch to "Ein" (=on). With the trimmer C 709 $\text{\textcircled{28}}$ not connected in circuit (USB/LSB switch to the left) and the core of the SSB coil 19415-010.00 $\text{\textcircled{27}}$ turned to the right-hand stop, adjust filter 07220-510.00 $\text{\textcircled{29}}$ with unmodulated signal to zero beat. After locking the core, adjust accurately with C 711 $\text{\textcircled{26}}$. Switch trimmer C 709 ($3\ 15\ \text{pF}$) $\text{\textcircled{28}}$ into circuit (USL/LSB switch), turn fine tuning to left-hand stop and adjust for zero beat again with C 709 $\text{\textcircled{28}}$. The frequency deviation of the SSB section is now approx. $\pm 1\text{kHz}$. Because of the ceramic oscillator and the ceramic filter, the SSB section may be aligned only when fitted in the complete chassis. The oscillating voltage at the emitter of transistor T 703 is approx. 65mV .

V. FM Alignment ("Fm" depressed, "AFC" off)

1. FM IF Alignment 10.7MHz

Alignment Sequence	Wobbulator output connected to	Oscilloscope connected to	Alignment
IF-filter IX	MP 304	Via clip-on probe with built-in diode (see Fig.) to MP 305 (near collector T 308)	(b) Detune (a) for maximum
IF-filter VIII and VII	MP 303		(c) and (d) for maximum
IF-filter VI and V	MP 302		(e) and (f) for maximum
IF-filter IV and III	MP 301		(g) and (h) for maximum
IF-filter II and I	FM-counter connecting cable		(i) and (k) for maximum
IF-filter X	MP 304		to MP 306
AM-suppression			The AM suppression is adjusted with control R 381 (2.5kΩ)

2. FM-RF Alignment

a) Adjustment of the tuning voltages:

At slider S of the tuning resistor 19703-036.00, with the FM button depressed and with the FM pointer at the r.h. end of the scale, adjust the voltage with R 341 (10kΩ) in the 30V converter to 30V±

100mV and with the FM pointer at the l.h. end of the scale; with R473 (15kΩ) to 2.1V ± 10mV.

b) FM Oscillator, filter and aerial circuit alignment

Generator freq. pointer setting	Oscillator	Filter circ.	Aerial circ.	Input sensitivity 15 kHz dev 1000 Hz			Image Rejection	Oscill. voltage	
				6dB	26dB	1W		At oscillator emitter	At mixer emitter
88 MHz	(A) Maximum	(C) Maximum	(E) Maximum	0,50 µV	1,5 µV	1,1 µV	55 dB	80 ... 90 mV	45 ... 55 mV
106 MHz	(B) Maximum	(D) Maximum	(F) Maximum	0,55 µV	1,6 µV	1 µV	53 dB		

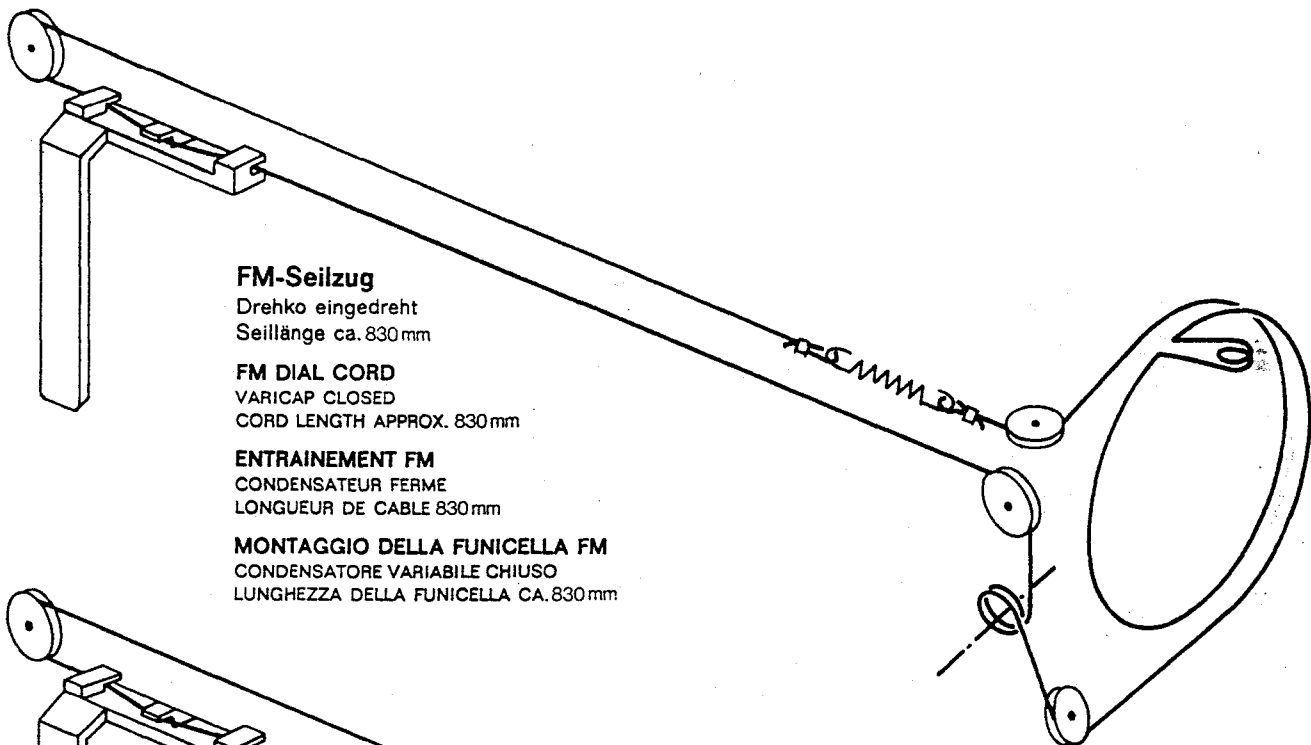
Note: Connect the signal generator straight to the connection for the telescopic aerial.

c) Adjustment of the field-strength meter in the case of FM

When the FM alignment has been completed, adjust the deflection of field-strength meter to "1" by means of R 356 (50kΩ) at 88MHz and an input voltage of 3µV, and to "9" by means of R 361 (50kΩ) at a signal of ≥ 1mV.

The control F 652 is located either in the AF section (19310-469.00) or in the coil assembly 19415-007.00.

NOTES:



FM-Seilzug

Drehko eingedreht
Seillänge ca. 830 mm

FM DIAL CORD

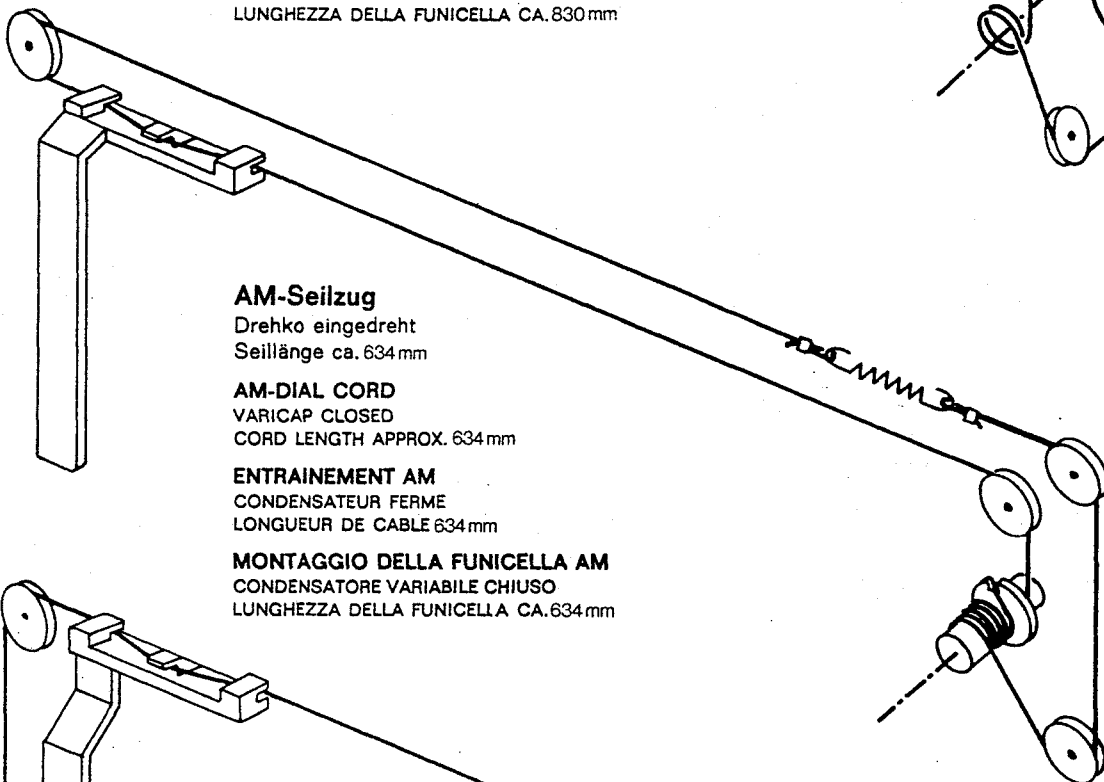
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CORD LENGTH APPROX. 830 mm

ENTRAINEMENT FM

CONDENSATEUR FERME
LONGUEUR DE CABLE 830 mm

MONTAGGIO DELLA FUNICELLA FM

CONDENSATORE VARIABILE CHIUSO
LUNGHEZZA DELLA FUNICELLA CA. 830 mm



AM-Seilzug

Drehko eingedreht
Seillänge ca. 634 mm

AM-DIAL CORD

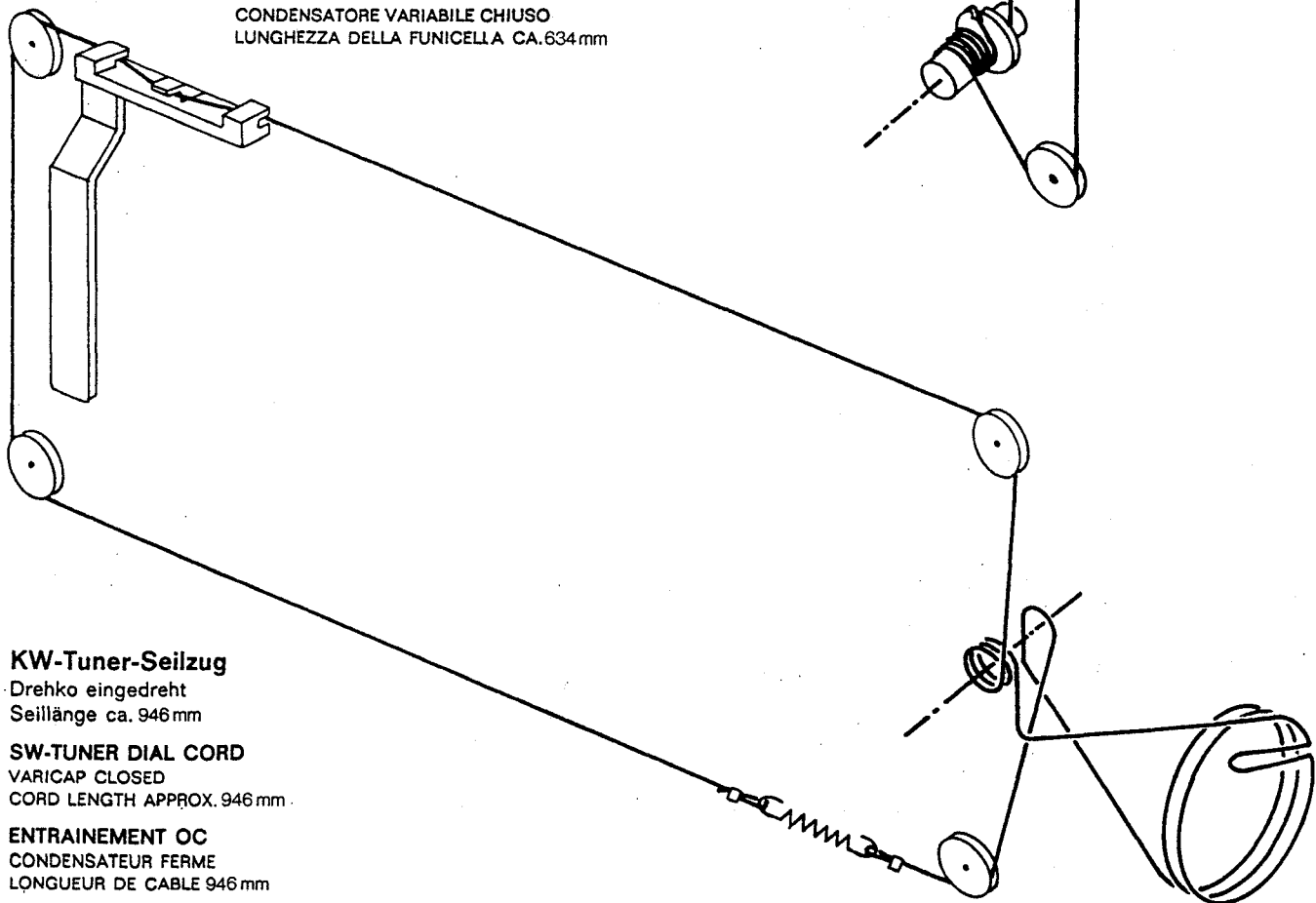
VARICAP CLOSED
CORD LENGTH APPROX. 634 mm

ENTRAINEMENT AM

CONDENSATEUR FERME
LONGUEUR DE CABLE 634 mm

MONTAGGIO DELLA FUNICELLA AM

CONDENSATORE VARIABILE CHIUSO
LUNGHEZZA DELLA FUNICELLA CA. 634 mm



KW-Tuner-Seilzug

Drehko eingedreht
Seillänge ca. 946 mm

SW-TUNER DIAL CORD

VARICAP CLOSED
CORD LENGTH APPROX. 946 mm

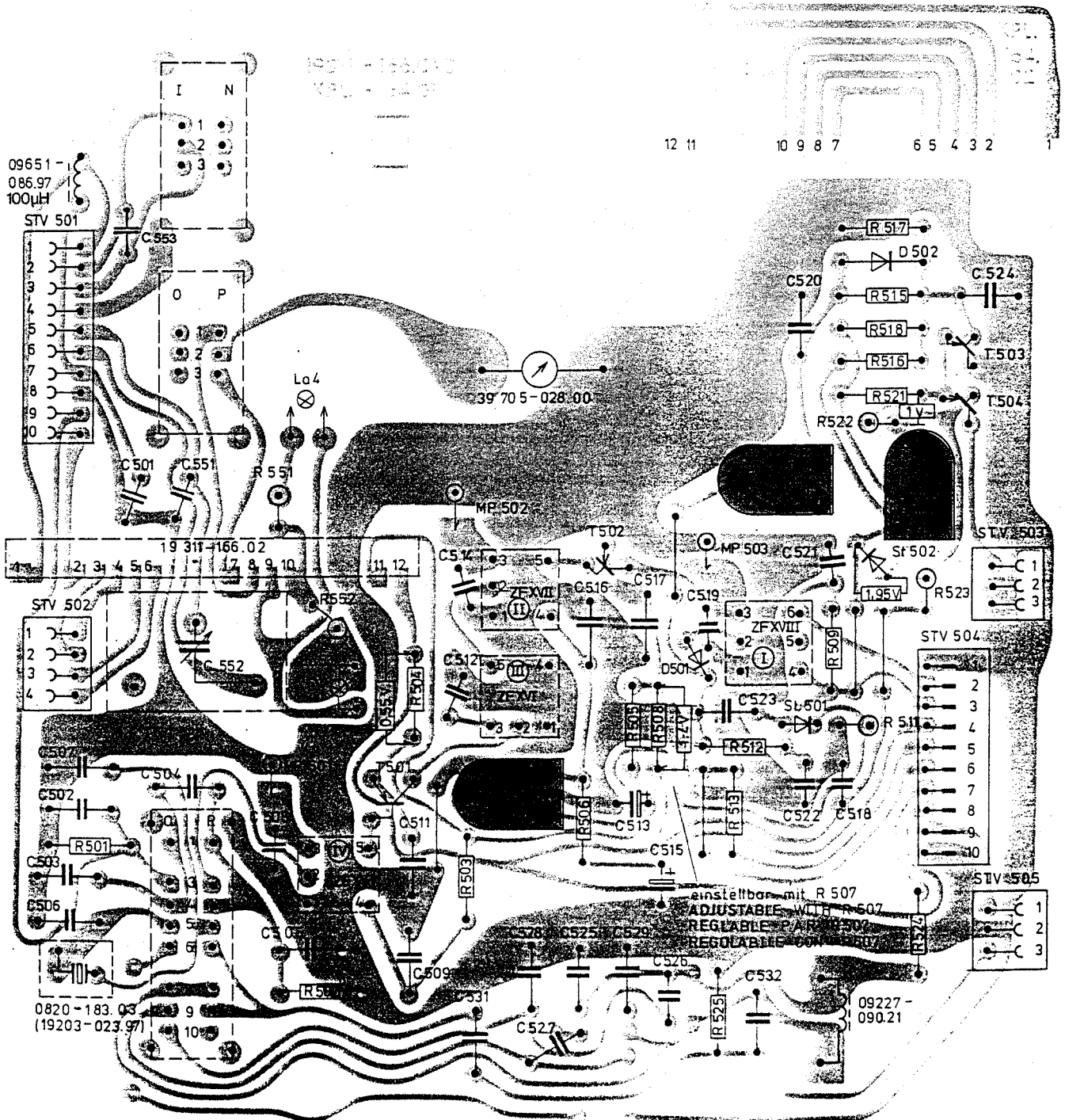
ENTRAINEMENT OC

CONDENSATEUR FERME
LONGUEUR DE CABLE 946 mm

MONTAGGIO DELLA FUNICELLA OC

CONDENSATORE VARIABILE CHIUSO
LUNGHEZZA DELLA FUNICELLA CA. 946 mm

19311-206.00
AM-ZF-Platte, Lötseite
AM-IF BOARD, SOLDER SIDE
PLAQUE AM-FI, COTE SOUDURES
PIASTRA AM-FI, LATO SALDATURE



Pos. No.	Fig. No.	Part No.	Description	Pos. No.	Fig. No.	Part No.	Description
1		15038-007.01	Cabinet, black (SL)	57		09666-360.00	Bearing bush
1.1		15038-051.01	Cabinet front compl.	58		09631-314.00	3x Rubber grommet
1.11	1	09663-902.01	Decorative fabric com.	59		09630-697.00	3x Spacer
1.2	1	15038-177.01	GRUNDIG Emblem	60	2	15035-042.00	Spindle compl.
1.3	1	15038-179.01	Scale cover compl.	61	2	19703-036.00	Tuning resistor
1.4	1	15038-181.01	Scale cover compl.	62	2	8138-007-021	2x Drive cord TE 50 P (black)
1.5	1	15035-183.01	Indicator cover	63	2	09619-113.00	2x Tension spring
				64	2	15035-070.02	Pointer compl. (FM)
			Cabinet, black	65	2	15035-049.00	Drive drum
1		15038-008.01	Cabinet front compl.	66		09619-767.00	Coil spring
1.1		15038-014.01	Ornamental plate compl.	67	2	15035-067.02	Pointer compl. (AM)
1.11	1	09663-902.01	GRUNDIG Emblem	68	2	15035-073.02	Pointer compl. (SW)
1.2	1	15038-177.01	Scale cover compl.	69		39601-682.00	2x Connector
1.3	1	15038-179.01	Scale cover compl.	70		39601-683.00	Connector
1.4	1	15038-181.01	Scale cover compl.	71		39601-689.00	Connector
1.5	1	15035-183.01	Indicator cover	72	3	09004-002.01	Mains transformer
				73	3	15035-112.00	2x Shim
			from Pos. 2, both versions are identical:	74	3	15009-021.00	2x Transformer clamp
2		29608-226.01	4x Washer	75	1	15038-043.01	Lever compl.
3	1	15035-032.01	Handle recess	76	2	8138-003-005	2x Polyamide cord 0.3 Ø
4	1	15035-033.01	Cap R.H.	77	3	19076-001.01	Loudspeaker
5	1	15035-034.01	Cap L.H.	78	1	09621-119.02	Earphone socket w. nut
6		01475-142.00	2x Handle brake	80	1/3	15015-080.01	Telescopic aerial compl.
7		09619-625.00	2x Coil spring	81		8132-015-139	Flat plug-in sleeve
8	1	09661-266.01	Handle	82		09690-352.97	Mains lead w. plug and centre connector
9	1	15038-028.01	6x Pushbutton			09690-376.97	Mains lead w. plug and centre connector (for GB)
10	1	15038-030.01	8x Pushbutton	83		8316-453-002	3x Pilot bulb 7V/80mA/230V
11		15038-026.01	Cabinet back	84	3	15035-047.00	2x Ferrite aerial rod clamp
12		15035-036.01	Cable comp. lid	86		19426-032.00	Ferrite aerial compl.
13		15038-037.01	Battery compart. cover	86.1	3	09648-901.97	Aerial rod
14		15035-038.01	Contact bridge	86.2	3	09234-302.02	MW-ferrite aerial coil
15	1	15038-035.01	Switch lever compl.	86.3	3	09234-301.02	MW-ferrite aerial coil
16	1	15035-228.01	5x Switch lever compl.	86.4	3	09234-442.02	LW-ferrite aerial coil
17	1	15038-036.01	2x Switch lever compl.	86.5		09666-384.97	Wire clamp
18	1	15035-228.02	Switch lever compl.				Tuning coil set
19	1	09670-906.01	Wave change knob				19415-008.00
20		09603-566.00	Clamping ring				Mounting plate compl.
21	1	09670-855.02	3x Control knob	101		19416-002.00	Slider
22	1	09670-856.05	5x Control knob	102		07422-940.00	Spring
23	1	09670-856.06	Control knob	103		09619-763.00	SW-RF tuning coil set
24	1	15038-039.01	Preset cap. knob	104		09216-943.01	LW-RF tuning coil set
25		09619-767.00	9x Coil spring	105		09216-941.01	MW-RF tuning coil set
26	1	09661-332.01	2x Bracket	106		09216-942.01	Ferrite tuning slug
27	1	09661-342.01	4x Ornamental ring	107		09647-623.97	3x Tuning coil compl.
28		15038-083.01	Scale compl. (49 M)	108		09647-036.25	3x Ferrite sleeve
29		15038-085.01	Scale compl. (41 M)	109		09647-803.97	Tuning capacitor compl.
30		15038-087.01	Scale compl. (31 M)	110		19701-027.08	Pinion
31		15038-089.01	Scale compl. (25 M)	110.1		09666-634.00	
32		15038-091.01	Scale compl. (19 M)				FM Unit
33		15038-093.01	Scale compl. (16 M)	120	4	19420-010.00	FM unit compl.
34		15038-095.01	Scale compl. (13 M)	122	4	09226-125.01	FM-RF coil pack
35		15038-097.01	Scale compl. (11 M)	123	4	09226-193.01	FM-filter circuit coil
36	2	15038-075.01	Scale compl. (AM)	124	4	09226-234.01	FM-oscillator coil pack
37	2	15038-077.01	Scale compl. (FM)	125		09647-681.97	2x FM-tuning slug
38		15035-101.00	Mask	126		09647-663.97	Tuning slug
39		15035-102.00	Mask	127	4	07202-001.97	2x IF filter ZF 1/111
40		15015-162.00	8x Scale retainer	128	4	07202-067.97	IF filter ZF 11
41	2	15035-103.00	Cover disc	129	4	07202-066.97	2x IF filter ZF IV/VI
			Chassis	130	4	07202-065.97	2x IF filter ZF V/VII
51		09618-083.02	4x Contact spring	131	4	07202-016.97	IF filter ZF VIII
52		09618-103.00	2x Contact spring	132	4	07202-044.97	IF filter ZF IX
53		05113-223.00	Contact spring	133	4	07202-045.97	IF filter ZF X
54	2	09612-309.02	6x Drive pulley	134	4	8140-525-007	Choke
55	2	09612-316.00	2x Drive pulley	135	4	09239-029.01	VHF choke (wound on R 311)
56		09604-658.00	6x Washer				

Pos. No.	Fig. No.	Part No.	Description	Pos. No.	Fig. No.	Part No.	Description
			FM Unit contd.	213.1	3	09626-144.00	Female connector
136		09218-191.97	Ferrite choke	213.2	3	19703-024.01	Tuning control
137		09647-020.97	2x Ferrite bead	213.3		09238-650.97	RF-transformer
138		09647-022.97	Ferrite bead	213.4		09238-171.00	RF-choke
139		09622-469.00	Coaxial plug	219.5		8316-216-001	Neon bulb 76 120
140		09622-470.00	Screen cap				SW Tuner
141		07248-336.00	Sleeve				SW tuner compl.
142		8302-222-901	(T301)	229	3	19415-009.00	Coil drum
143		8302-220-441	(T302...308)	230		15035-144.00	Locating piece
144		8302-200-233	(T309)	231		15035-148.00	Bearing bush
145		8302-200-231	(T310)	232		15035-272.00	Clamping ring
146		8309-510-197	(D301/302)	233		09603-585.00	2x Roller
147		8309-510-198	(D303)	234		15035-140.00	2x Rest Lever
148		8309-201-018	(D304)	235		15035-149.00	Tension spring
149		8309-001-002	(D305...308)	236		09619-119.00	4x Drive pulley spindle
150		8309-701-102	(St.301/302)	237		09603-701.00	Spring
151		8309-215-050	(D309)	238		15035-105.00	Bearing
152	4	19799-311.91	(C318) trimmer cap.	239		15035-147.00	Drive spindle
153	4	19799-313.91	(C302) trimmer cap.	240		15035-133.00	Cord 0.3 Ø
154	4	19799-314.91	(C306) trimmer cap.	241	2	8138-003-005	Spring
155	4	8790-294-042	(R381— preset pot.	241a		15035-270.00	3x Rubber grommet
156	4	8790-209-008	(R356/361) preset pot.	242		09631-314.00	Tuning capacitor
			Coil set	243		19701-026.97	Rejector
			(19415-007.00)	244		15035-142.00	Drive wheel
160	3	19400-041.03	Push button unit	245		15035-050.00	Clamping ring
161	3	19400-043.03	Touch button	246		09603-566.00	4x Drive pulley
162	3	19400-044.03	Touch button	247	2	09612-309.02	4x Washer
163	3	19400-050.03	Touch button	248		09604-658.00	Drive cord TE50 P
165		39600-210.00	Female connector compl.	249	2	8138-007-021	(black) 0.5 Ø
166		39600-204.00	Female connector compl.	250	2	09619-113.00	Tension spring
167		39600-203.00	2x Female connector compl.	252		15015-154.00	Lever
168		39600-109.00	Female connector compl.	253		15015-143.00	Lever spring
178		09223-406.21	LW-coupling coil pack	255		09622-079.00	Socket compl.
179		09223-407.21	LW-RF coil pack	258	6	19311-168.00	Tuner board compl.
180		09223-409.21	MW-RF coil pack	258.1		15015-132.00	18x Spring
181		09647-648.97	Ferrite tuning slug	258.2		19706-031.00	Slider switch
			(for No. 178)	258.3	6	19202-340.97	IF filter ZF XI
181a		09647-649.97	Ferrite tuning slug	258.4	6	19202-341.97	IF filter ZF XII
			(f. No. 179/180)	258.5	6	19202-314.97	IF filter ZF XIII
182	5	09223-408.21	MW-coupling coil pack	258.6		8382-241-097	Quartz-filter
183	5	09223-516.21	SW1-RF coil pack	258.8	6	8140-525-018	Choke
184	5	09223-517.21	SW2-RF coil pack	258.9	6	09202-235.21	SW-oscillator coil
185	5	09223-678.21	LW-oscillator coil	258.91	6	09647-616.97	Tuning slug
186	5	09223-679.21	MW-oscillator coil	258.10	6	09218-025.01	HF-choke
187	5	09223-479.21	SW1-oscillator coil pack	258.12		09647-022.95	2x Ferrite bead
188		09647-684.97	Tuning slug	258.13		09647-022.97	Ferrite bead
			(f. No. 183-187)	258.14		09647-020.97	Ferrite bead
189	5	19202-323.97	SW2-filter circuit coil	258.16		09622-469.00	Coaxial plug
190		8140-525-018	Choke	258.17		09622-470-00	Screen cap
191	5	09223-480.21	SW2-oscillator coil	258.18		07248-336.00	Sleeve
191.1		09647-663.97	Tuning slug	258.20		8302-200-041	(T201/202/205)
192	5	19202-314.97	IF transformer	258.21		8302-200-233	(T203)
193		09647-020.97	Ferrite bead	258.22		8302-222-040	(T204/206/207)
194		09622-469.00	Coaxial plug	258.24		8309-214-114	(D201/202)
195		09622-470.00	Screen cap	258.25		8309-701-081	(St.201)
196		07248-336.00	Sleeve	258.26	6	19799-321.91	(C259) Trimmer cap.
197		15035-045.00	2x Board carrier	258.27	6	19799-301.13	(C214) Trimmer cap
199		8302-200-041	(T401/404)	260		19415-121.00	Coil set SW 3/49m
200		8302-222-040	(T402/403)	261		19415-122.00	Coil set SW 4/41m
201		8309-214-114	(D401/402)	262		19415-123.00	Coil set SW 5/31m
202		8309-701-081	(St.401)	263		19415-124.00	Coil set SW 6/25m
203	5	19799-323.91	(C444) Trimmer cap.	264		19415-125.00	Coil set SW 7/19m
204	5	19799-324.91	4x Trimmer cap.	265		19415-126.00	Coil set SW 8/16m
205	5	19799-325.91	5x Trimmer cap.	266		19415-127.00	Coil set SW 9/13m
206	5	19799-326.91	4x Trimmer cap.	267		19415-128.00	Coil set SW10/11m
207	5	8790-009-047	(R472) Preset pot				AM-IF Board
208	5	8790-009-152	(R473) Preset pot				AM-IF board compl.
209	5	8790-009-025	(R652) Preset pot	275	7	19311-163.00	Toggle switch (tuning/batt.)
211	5	19310-528.00	Transducer compl. 30V	276		19706-019.00	Toggle switch (AFC)
211.1		8140-525-118	Ferrite choke	277		19706-020.00	Toggle switch (Bandwidth)
211.2		8309-215-050	(D311)	278		19706-021.00	Trimmer bearing
211.3		8305-302-720	(IC301) Integr. circuit	279	2	15035-125.00	Pin contact — lower part
211.4		8790-209-005	(R341) Preset pot	281	2	39601-670.01	(flat)
213		19311-153.00	Socket board compl.				

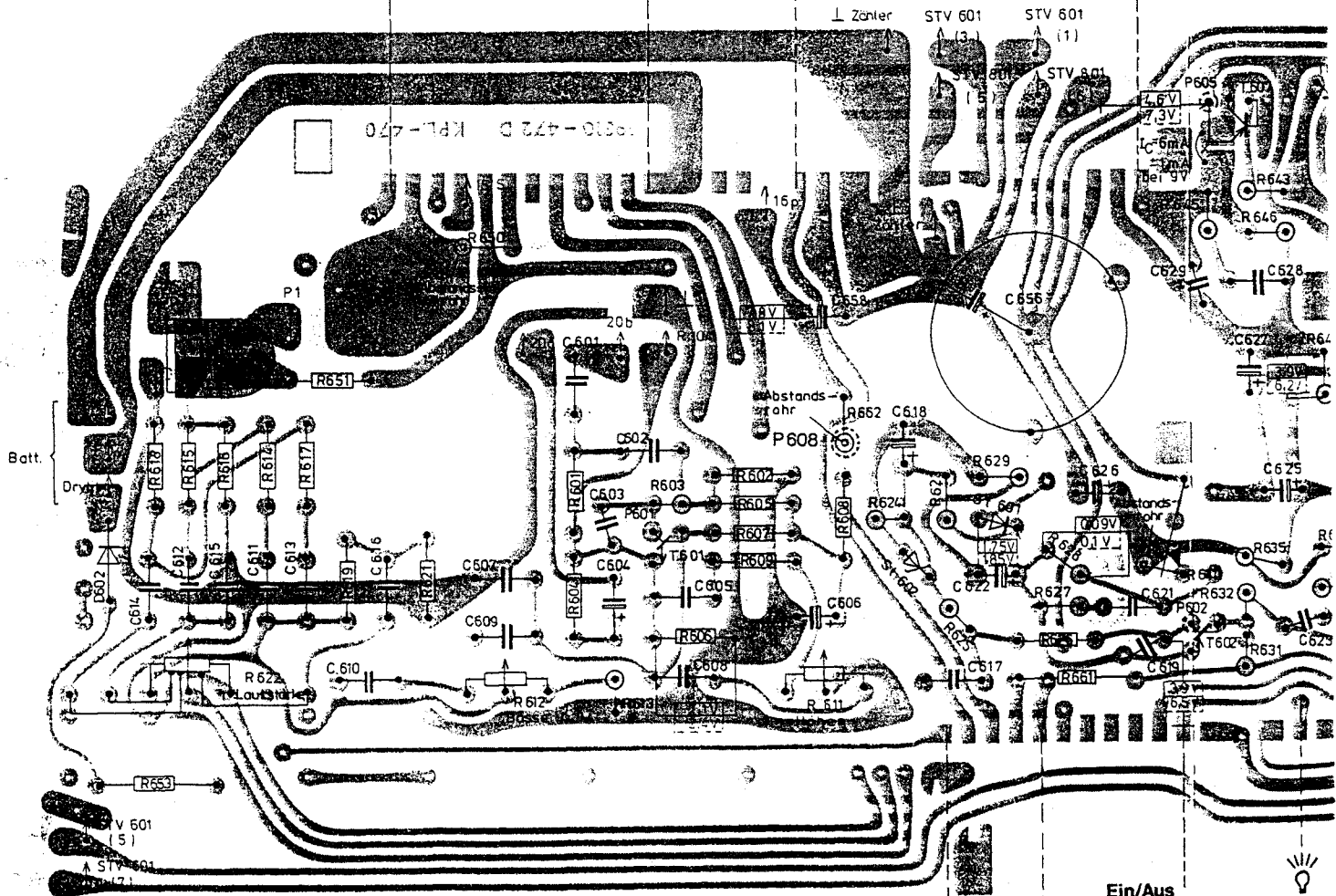
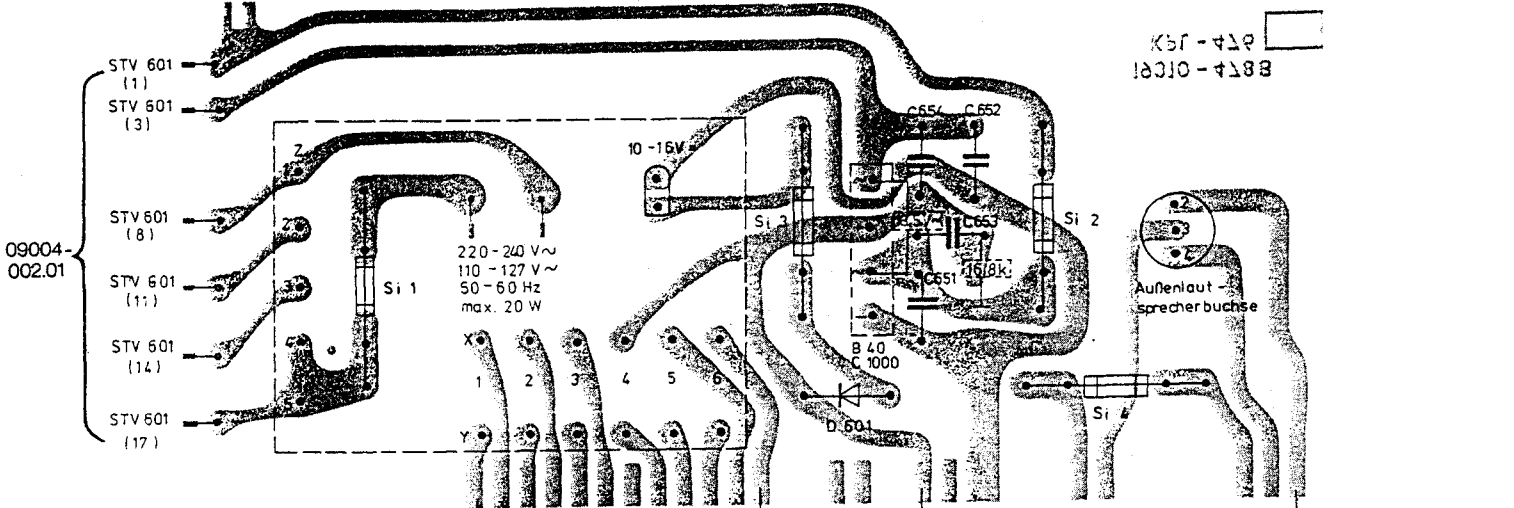
Pos. No.	Fig. No.	Part No.	Description	Pos. No.	Fig. No.	Part No.	Description
			FM Unit contd.	369		8309-707-110	(St.602)
282		39600-203.00	Female connector compl.	370		8309-215-021	(D602)
283		39600-204.00	Female connector compl.	371		8309-215-050	(D603)
284		39600-210.00	Female connector compl.	372	9	8446-797-109	(C656) Elco
289	2	39705-028.00	Meter	373	9	8410-810-005	(C658) Elco
290		09622-079.00	Socket compl.	374	9	8410-820-020	(C627) Elco
291	7	19202-316.97	IF filter ZF XV	375	9	8713-065-035	(R653) Metallised resistor
292	7	19202-317.97	IF filter ZF XVI	376	9	8713-080-057	(R639) Metallised resistor
293	7	19202-318.97	IF filter ZF XVII	377	9	8700-229-053	(R658) Resistor
294	7	19202-336.97	IF filter ZF XVIII	379	9	8790-290-038	(R636) Preset pot
294a		8602-099-001	Ceramic oscillator	380	2/9	19703-029.97	(R622) Potentiometer (volume)
295	7	09227-090.21	AF choke				
296	7	8140-525-132	Ferrite choke	381	2/9	19703-030.97	(R612) Potentiometer (Bass)
297		8316-113-102	2x Pilot bulb				
298		8302-200-041	(T501)	382	2/9	19703-031.97	(R611) Potentiometer (Treble)
299		8302-222-040	(T502)				
300		8302-200-220	(T503/504)				
301		8309-002-002	(D501)				PCB with Switches
302		8309-207-008	(D502)	390		19310-480.00	PCB with switches compl.
303		8309-701-102	(St.501/502)	391		19706-019.00	Tip switch (bulb)
304	7	19701-028.00	(C552) Trimmer cap 100pF	392		19706-020.00	Tip switch (loudspeaker)
305	7	8790-009-021	(R519) Preset pot	393		19706-025.00	Tip switch (counter)
306	7	8790-009-027	(R514) Preset pot	394		19706-026.00	Tip switch (mains)
307	7	8790-009-024	(R507) Preset pot				Power supply unit PCB
			SSB Board	400	3	19310-474.00	P.S.U. board compl.
310	8	19311-174.00	SSB board compl.	401	3	15035-164.00	Voltage selector compl.
311	8	19706-020.00	2x Toggle switch	402	3	09623-084.00	6x Speaker socket
312	2	19703-038.97	Rotary switch	403		09621-113.02	Fuse holder
314	8	09227-974.21	AF choke	404	3	39601-872.01	Pin contact-lower section
315		09647-020.97	2x Ferrite bead				Rectifier
316		07220-510.00	IF oscillator coil	408		8309-215-021	(D601)
317		8302-200-041	(T701/702)				Frequency-counter
318		8302-222-040	(T703)				(15035-200.00)
319		8302-202-543	(T704)				Amplifier Board
320		8302-200-233	(T705)				Amplifier board compl.
321		8302-200-230	(T706)	419	10	19311-129.00	Coaxial socket 3-fold
322		8309-001-106	(D701/702)	420	10	15035-155.00	Pin contact-lower section (flat)
323		8309-215-050	(D703/704)	421	10	39601-667.01	Choke
324	8	19799-323.04	(C709) Trimmer cap.	422	10	8140-525-024	(T802)
325	8	8790-009-017	(R703) Preset pot	423		8302-220-414	(T801/803)
326	2/8	19703-037.97	(R716) Potentiometer	424		8302-220-034	(T806)
327	8	19799-321.91	(C711) Trimmer cap.	425		8302-202-558	(T804/807)
			Tuning coil set	426		8302-202-538	(T805)
335	2	19415-010.00	Tuning coil set compl.	427		8302-200-559	(D801)
335.1		15035-172.00	Tuning coil set-housing	429		8309-215-050	(IC801) Integr. circuit
335.2		09216-194.01	Oscillator coil (fine adjustment)	430	10	8305-190-112	(IC802/803) Integr. circuit
335.3		15035-173.00	Spindle	431	10	8305-199-093	(IC807) Integr. circuit
335.4		09647-049.97	Tuning coil core	432	10	8305-200-598	(Th. 801...805)
335.5		15035-174.00	Toothed rack	434	10	8309-505-044	
335.6		09619-763.00	Spring				Indicator Board
			AF-unit	440		19311-134.00	Indicator board compl.
			(19310-469.00)	441	2	8309-909-941	5x LED display HA 1141 R
350		15035-116.00	Spacer				Parts for 5V converter
351		09647-020.97	4x Ferrite bead	445	11	19311-196.00	5V converter compl.
352		09647-022.97	3x Ferrite bead	447	11	09227-050.21	Converter coil
353		09647-021.97	Ferrite bead	448	11	09238-191.01	2x Choke
355		50002-052.00	Fuse spring	448.1		09647-009.97	Ferrite rod core
356		8302-200-551	(T601)	449		8302-202-538	(T808)
357		8302-200-309	(T602)	450		8302-200-233	(T809)
358		8302-202-538	(T603)	451		8302-210-136	(T810)
359		8302-200-427	(T604)	452		8309-701-081	(St.801)
360		8302-400-108	(T605)	453		8309-715-008	(St.802)
361		8302-202-127	(T609)	454		8309-703-016	(D803)
362		8302-410-363	(T606)	455		8309-204-050	(D802)
363		8302-410-364	(T607)	456	11	8305-301-761	(IC808) Integr. circuit
364		8302-210-018	(T608)	457	11	8790-209-048	(R876) Preset pot
365		8302-210-132	(T610)				MOS-IC-Board
366		8309-701-102	(St.601)				IC board compl.
367		8309-001-017	(St.603)	470		19311-179.00	(IC 806) Integr. circuit
368		8309-650-003	(St.604/605)	471		8305-307-578	

Pos. No.	Fig. No.	Part No.	Description	Pos. No.	Fig. No.	Part No.	Description
			Oscillator board	491.1	1	15038-106.00	Window
480		19311-139.00	Oscillator board compl.	492		15035-267.00	Contact bridge
482		8382-241-197	Crystal 5.12MHz	493		15038-112.00	Lid
483		8305-199-093	(IC805) Integr. circuit	494		15038-114.00	Contact
484		8305-199-000	(IC804) Integr. circuit	495		15038-115.00	Contact
485		19799-336.94	(C854) Trimmer cap.	497		15038-251.51	Clock module compl.
			Quartz clock	497.1	1	15038-122.01	2x Button
			(15038-250.51)				
491	1	15038-101.01	Clock housing compl.				

NOTES:

19310-474.00

Netzteil-Platte, Bestückungsseite
POWER-SUPPLY BOARD, COMPONENT SIDE
PLAQUE D'ALIMENTATION, COTE COMPOSANTS
PIASTRA DI ALIMENTAZIONE, LATO COMPONENTI



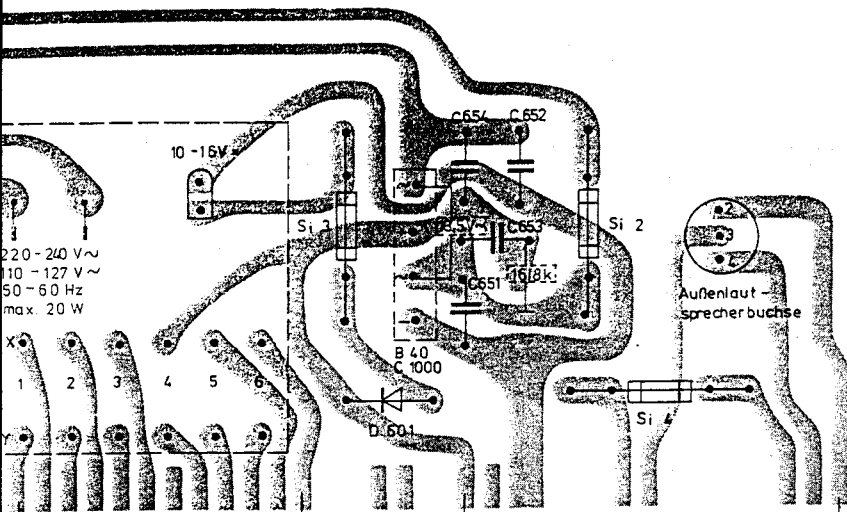
19310-480.00

Schalterplatte, Bestückungsseite
SWITCH BOARD, COMPONENT SIDE
PLAQUE COMMUTATEURS, COTE COMPOSANTS
PIASTRA DI COMMUTATORE, LATO COMPONENTI

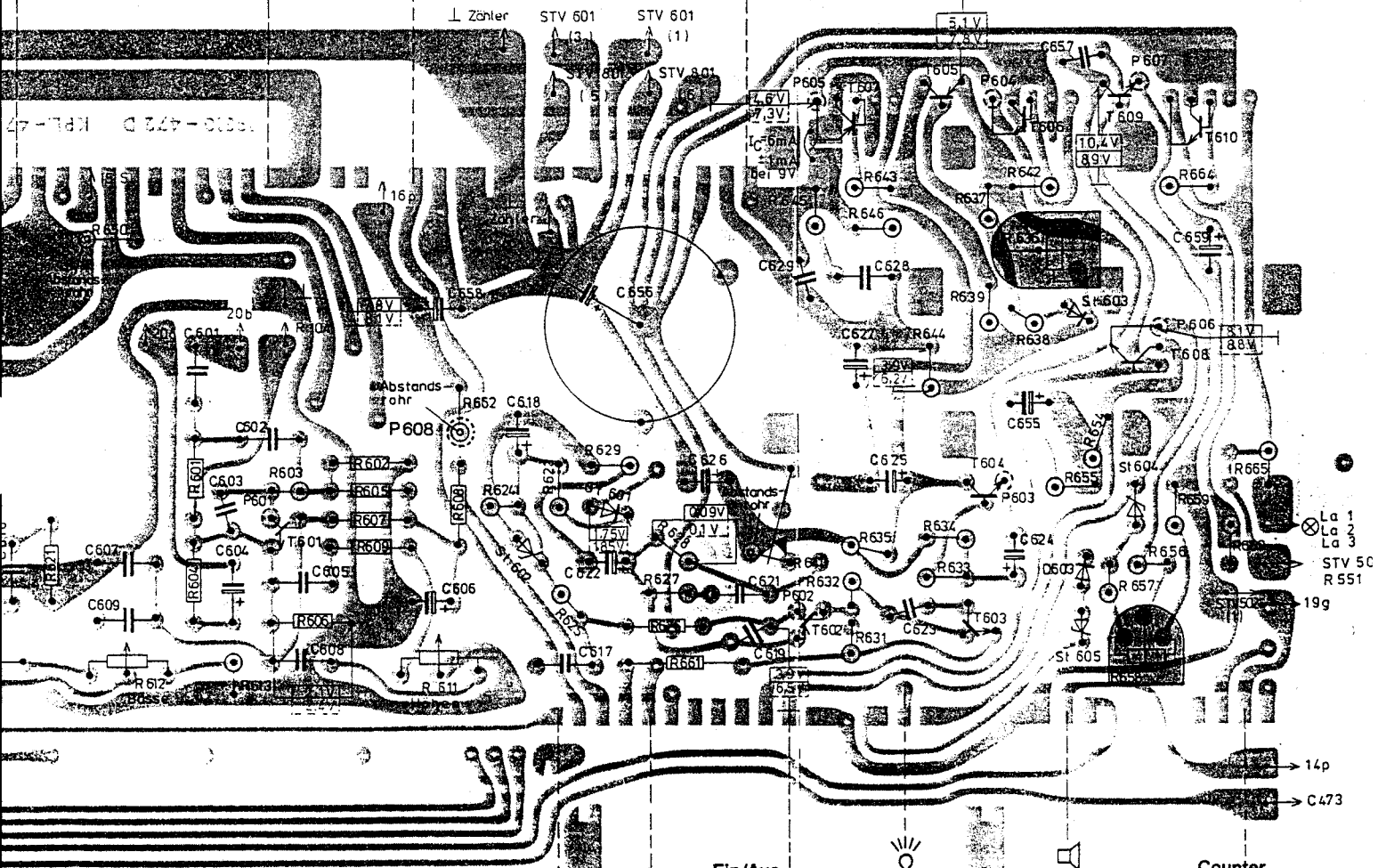
Bestückungsseite
 COMPONENT SIDE
 VUE DU COTE DES COMPOSANTS
 LATO COMPONENTI

Lötseite
 SOLDER SIDE
 COTE DES SOUDURES
 LATO SALDATURE

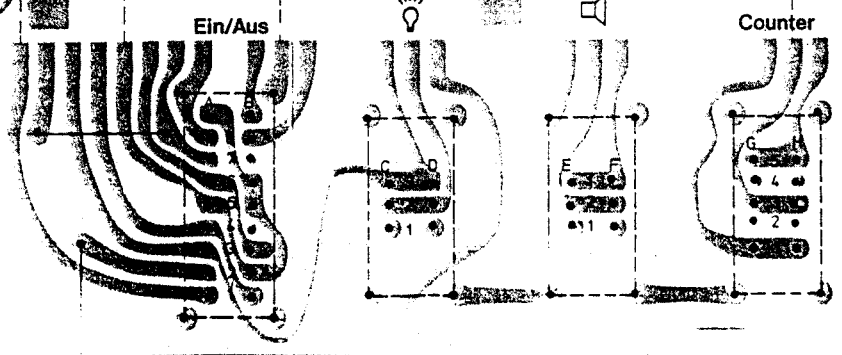
Bestückungsseite
 COMPONENT SIDE
 VUE DU COTE DES COMPOSANTS
 LATO COMPONENTI



19310-469.00
 NF-Teil, Lötseite
 AF-UNIT, SOLDER SIDE
 PARTIE-FA, COTE SOUDURES
 PARTE-BF, LATO SALDATURE



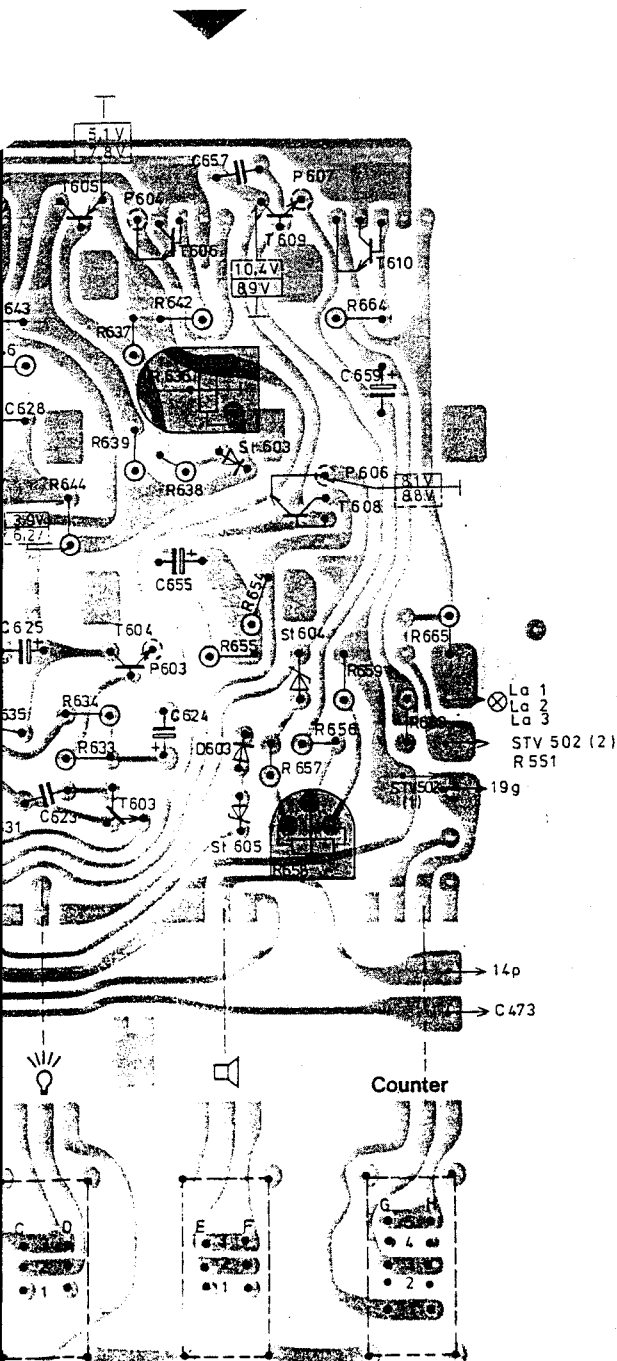
Bestückungsseite
 COMPONENT SIDE
 VUE DU COTE DES COMPOSANTS
 LATO COMPONENTI



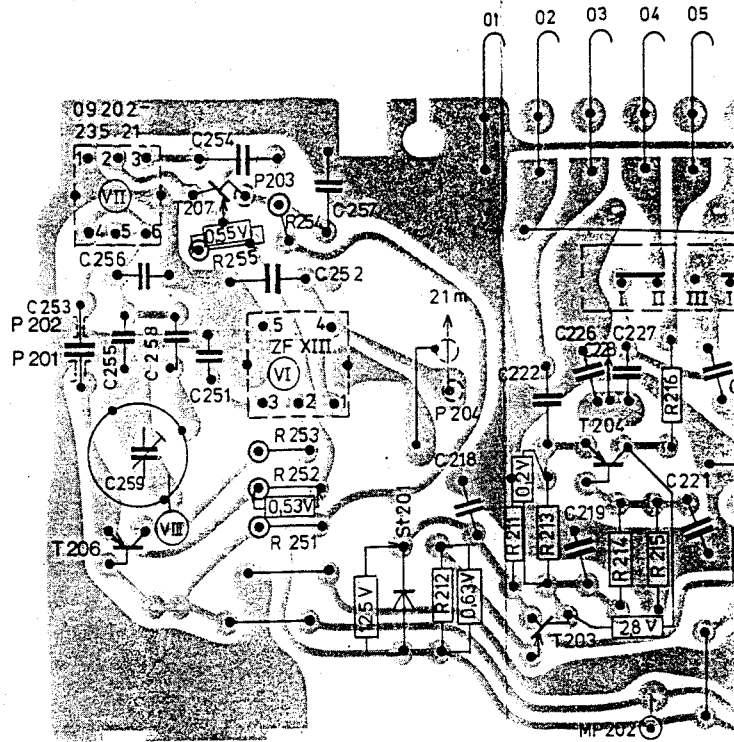
Lötseite
SOLDER SIDE
COTE DES SOUDURES
LATO SALDATURE

Bestückungsseite
COMPONENT SIDE
VUE DU COTE DES COMPOSANTS
LATO COMPONENTI

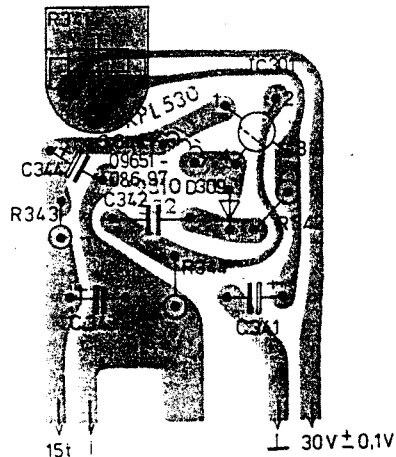
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NF-Teil, Lötseite
AF-UNIT, SOLDER SIDE
PARTIE-FA, COTE SOUDURES
PARTE-BF, LATO SALDATURE



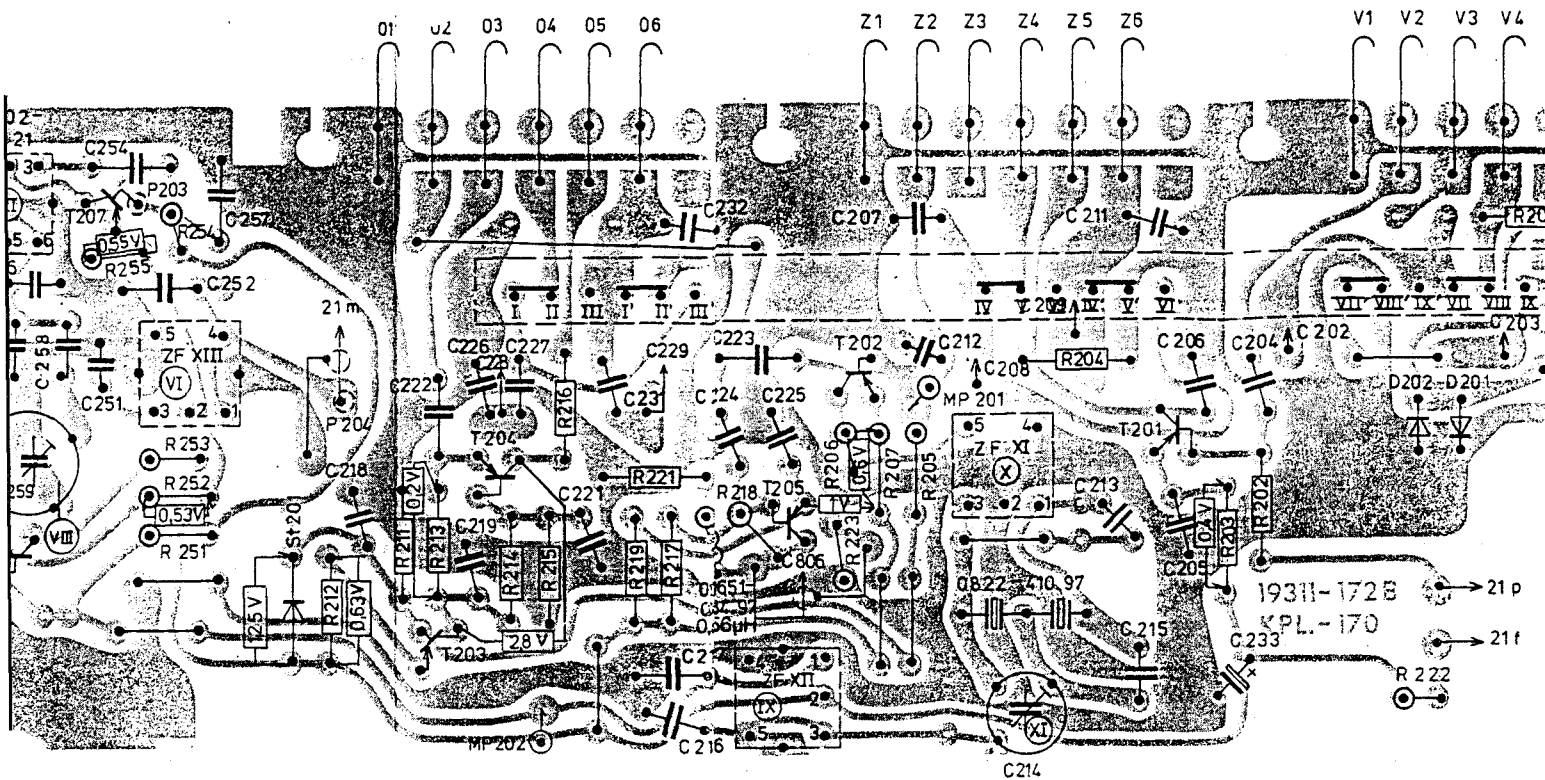
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Tuner-Platte, Lötseite
TUNER-BOARD, SOLDER SIDE
PLAQUE-TUNER, COTE SOUDURES
PIASTRA-TUNER, LATO SALDATURE



19310-528.00
30V-Wandler, Lötseite
30V-TRANSFORMER, SOLDER SIDE
TRANSDUCTEUR 30V, COTE SOUDURES
CONVERTITTORE 30V, LATO SALDATURE



1-168.00
 er-Platte, Lötseite
 ER-BOARD, SOLDER SIDE
 QUE-TUNER, COTE SOUDURES
 TRA-TUNER, LATO SALDATURE



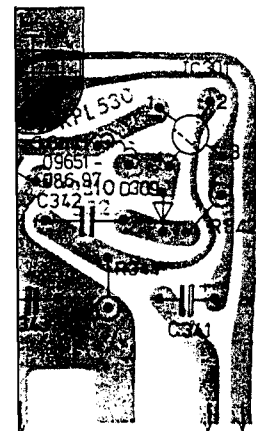
0-528.00
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 TRANSFORMER, SOLDER SIDE
 INDUCTEUR 30 V, COTE SOUDURES
 VERTITORE 30 V, LATO SALDATURE

Kontaktplatte, Lötseite
 CONTACT PLATE, SOLDER SIDE
 PLAQUE DE CONTACT, COTE SOUDURES
 PIASTRA DI CONTATTO, LATO SALDATURE

Oszillatorkreis
 OSCILLATOR CIRCUIT
 CIRCUIT D'OSCILLATEUR
 CIRCUITO OSCILLATORE

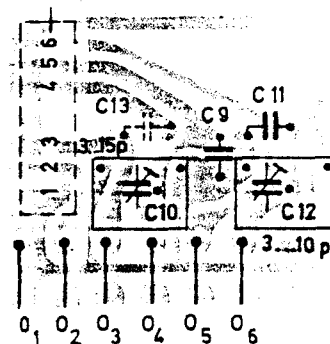
Zwischenkreis
 INTERMEDIATE CIRCUIT
 CIRCUIT INTERMEDIAIRE
 CIRCUITO INTERMEDIO

Vorkreis
 INPUT CIRC
 CIRCUIT D'IN
 PRESTADIO

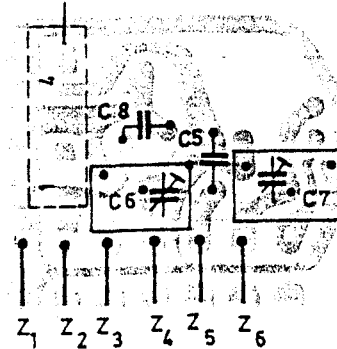


30V ± 0.1V

09 225-
 121.21... 128.21



09 225-
 211.21... 218.21

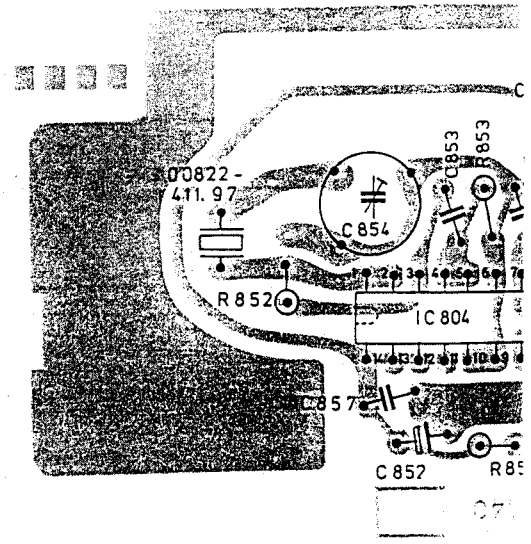
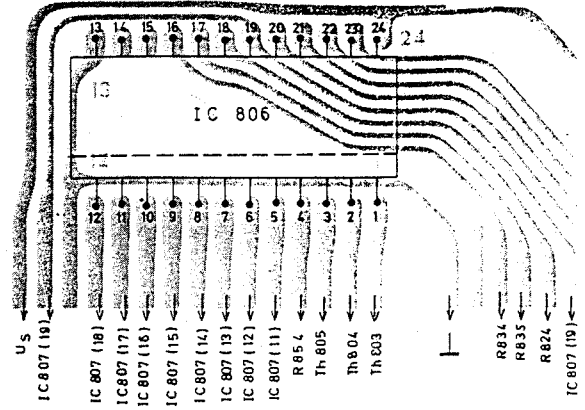
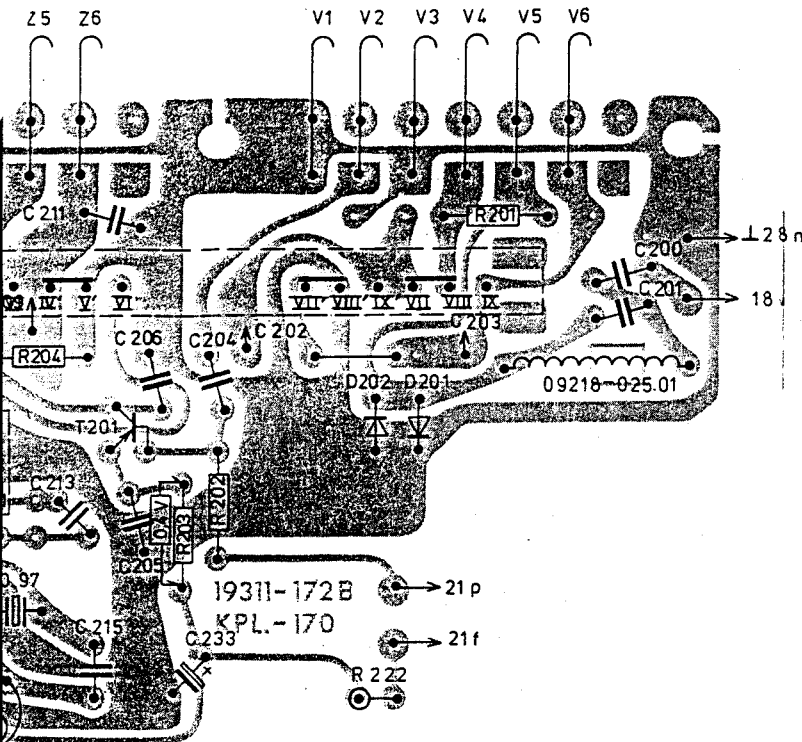


09 225-
 101.21... 110
 206.21... 210



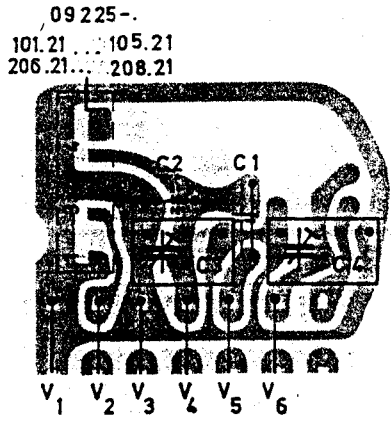
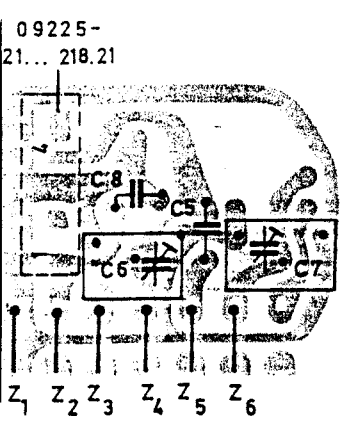
19415 - 121.00... -128.00

19311-179.00
 MOS JC - Platte, Lötseite
 MOS JC-BOARD, SOLDER SIDE
 PLAQUE-MOS JC, COTE SOUDURES
 PIASTRA-MOS JC, LATO SALDATURE



Wischenkreis
 INTERMEDIATE CIRCUIT
 CIRCUIT INTERMEDIAIRE
 CIRCUITO INTERMEDIO

Vorkreis
 INPUT CIRCUIT
 CIRCUIT D'ENTREE
 PRESTADIO



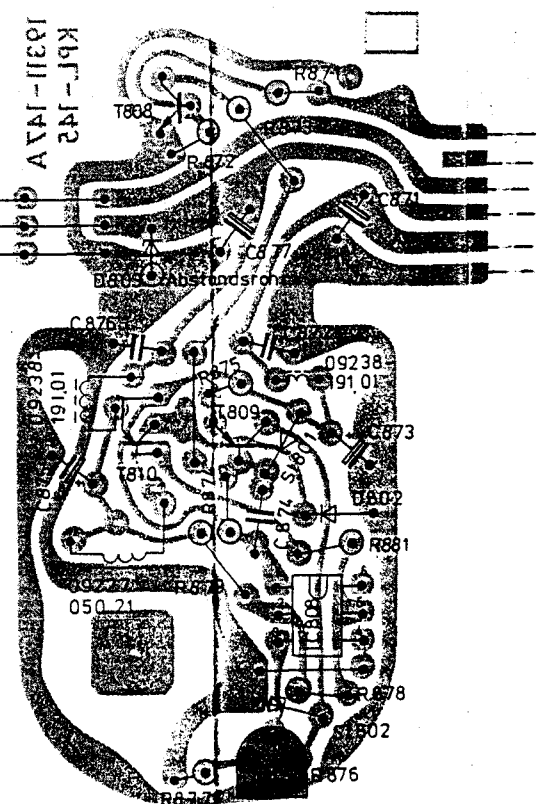
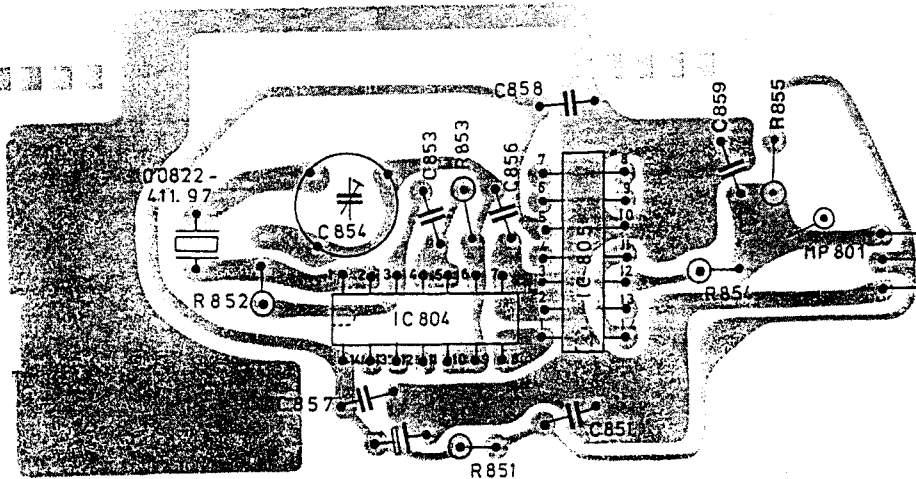
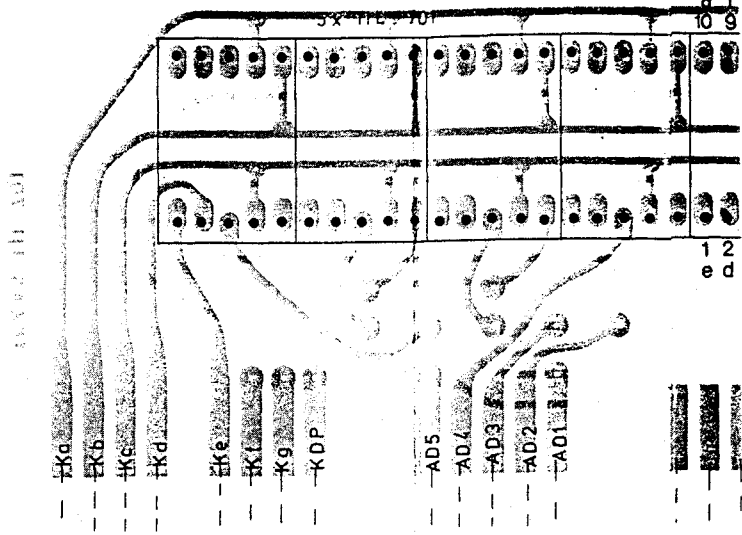
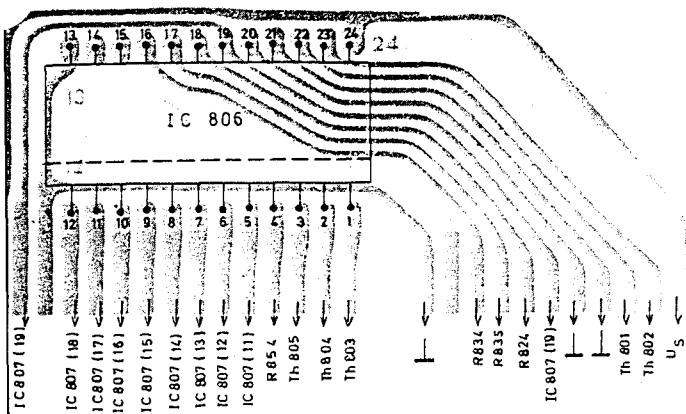
19311-139.00
 Oszillator-Platte, Lötseite
 OSCILLATOR-BOARD, SOLDER SIDE
 PLAQUE-OSCILLATEUR, COTE SOUDURE
 PIASTRA OSCILLATORE, LATO SALDATURE

19415 - 121.00... -128.00

Lötseite
 SOLDER SIDE
 COTE DES SOUDURES
 LATO SALDATURE

9311-179.00
 OS JC - Platte, Lötseite
 OS JC-BOARD, SOLDER SIDE
 LAQUE-MOS JC, COTE SOUDURES
 ASTRA-MOS JC, LATO SALDATURE

19311-203.00
 Anzeige-Platte, Bestückungsseite
 DISPLAY-BOARD, COMPONENT SIDE
 PLAQUE D'AFFICHAGE, COTE COMPOSANTS
 PIASTRA INDICATORE, LATO COMPONENTI



19311-139.00
 Oszillator-Platte, Lötseite
 OSCILLATOR-BOARD, SOLDER SIDE
 PLAQUE-OSCILLATEUR, COTE SOUDURES
 PIASTRA OSCILLATORE, LATO SALDATURE

19311-196.00
 5V-Wandler, Bestückungsseite
 5V-TRANSFORMER, COMPONENT SIDE
 TRANSDUCTEUR-5V, COTE COMPOSANTS
 CONVERTITTORE-5V, LATO COMPONENTI

Lötseite
 SOLDER SIDE
 COTE DES SOUDURES
 LATO SALDATURE

Bestückungsseite
 COMPONENT SIDE
 VUE DU COTE DES COMPOSANTS
 LATO COMPONENTI

19311 - 134.00

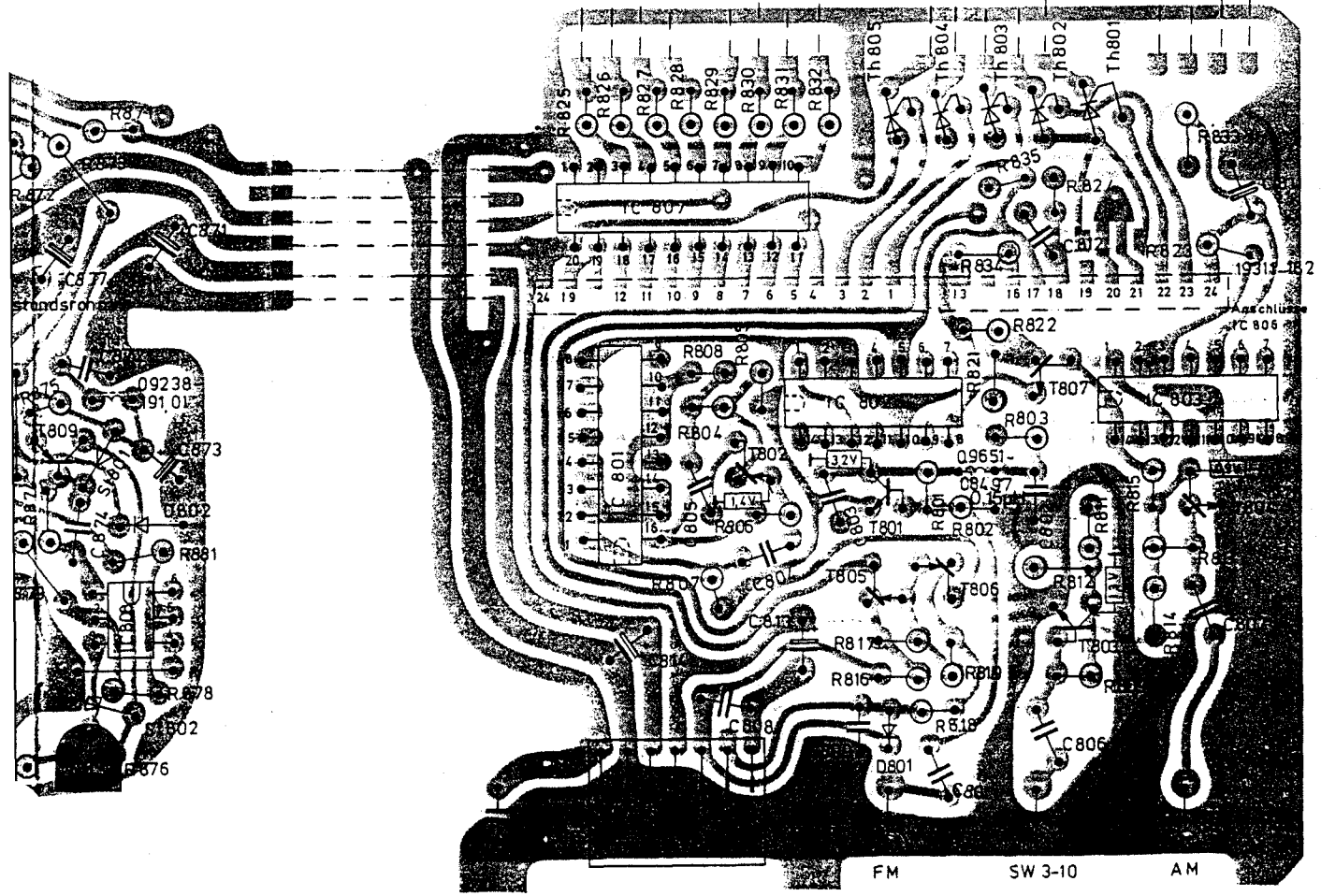
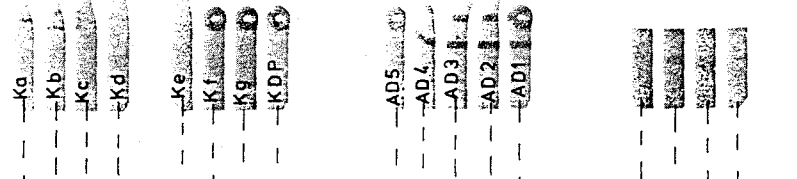
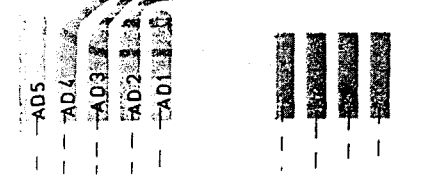
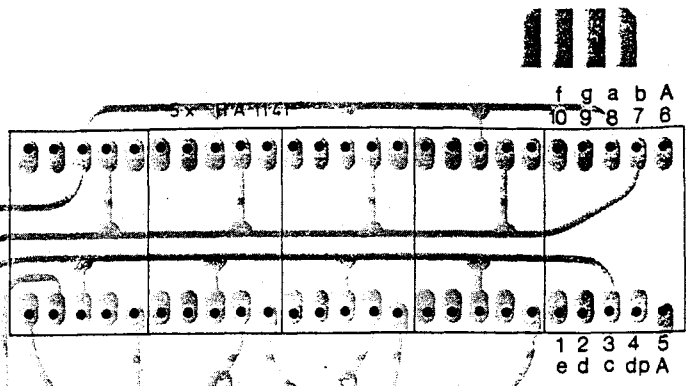
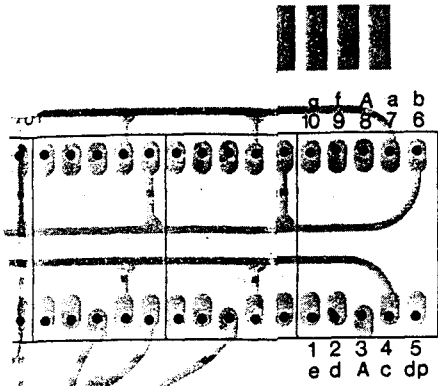
Anzeige-Platte, Bestückungsseite

DISPLAY-BOARD, COMPONENT SIDE

PLAQUE D'AFFICHAGE, COTE COMPOSANTS

PIASTRA INDICATORE, LATO COMPONENTI

jsseite
IT SIDE
COMPOSANTS
COMPONENTI



Bestückungsseite
COMPONENT SIDE
R-5V, COTE COMPOSANTS
R-5V, LATO COMPONENTI

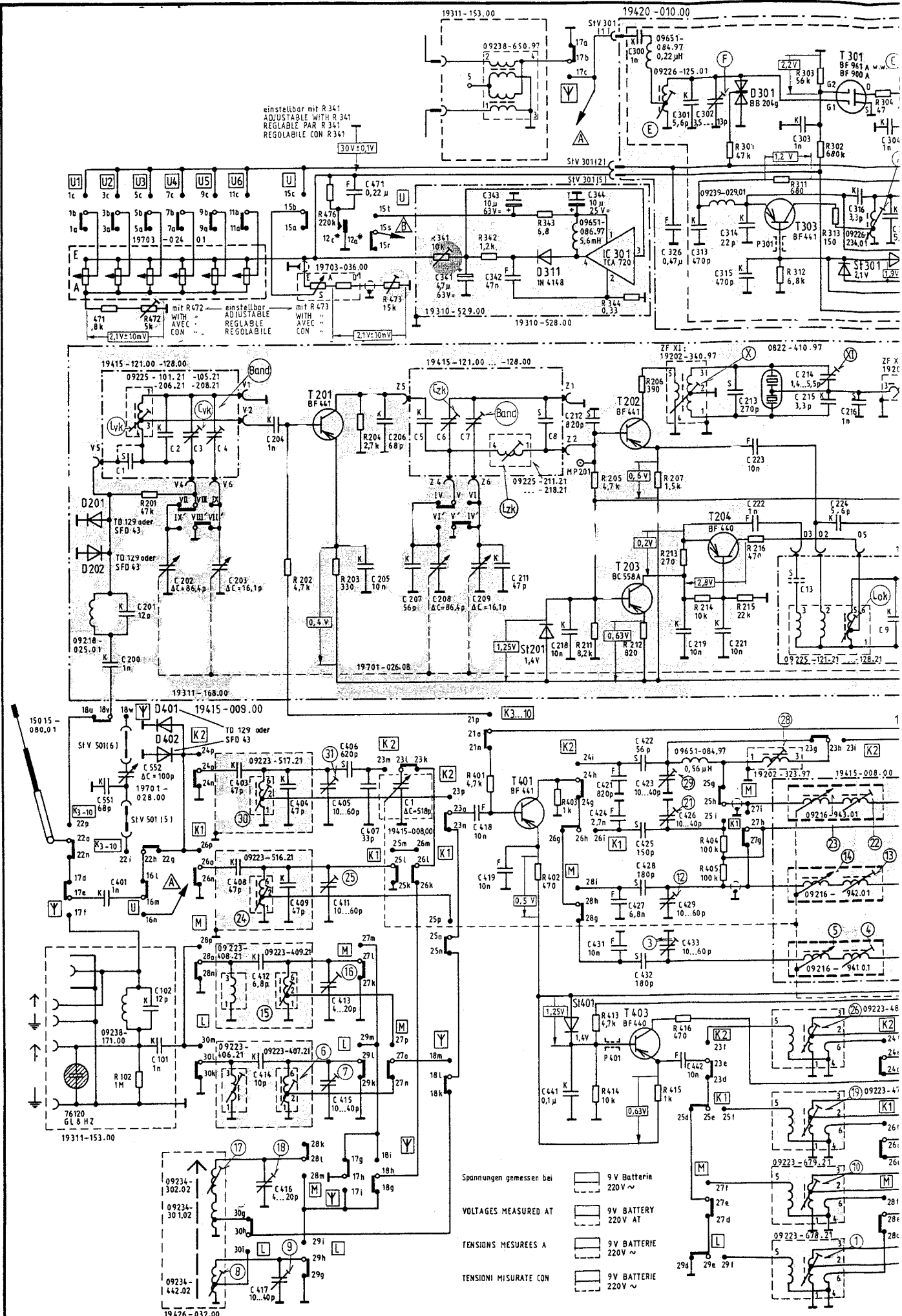
19311 - 129.00

Verstärkerplatte, Lötseite

AMPLIFIER BOARD, SOLDER SIDE

PLAQUE AMPLIFICATEUR, COTE SOUDURES

PIASTRA AMPLIFICATORE, LATO SALDATURE



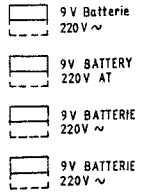
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 ADJUSTABLE WITH R 341
 REGLABLE PAR R 341
 REGOLABILE CON R 341

mit R 472
 WITH
 AVEC
 CON

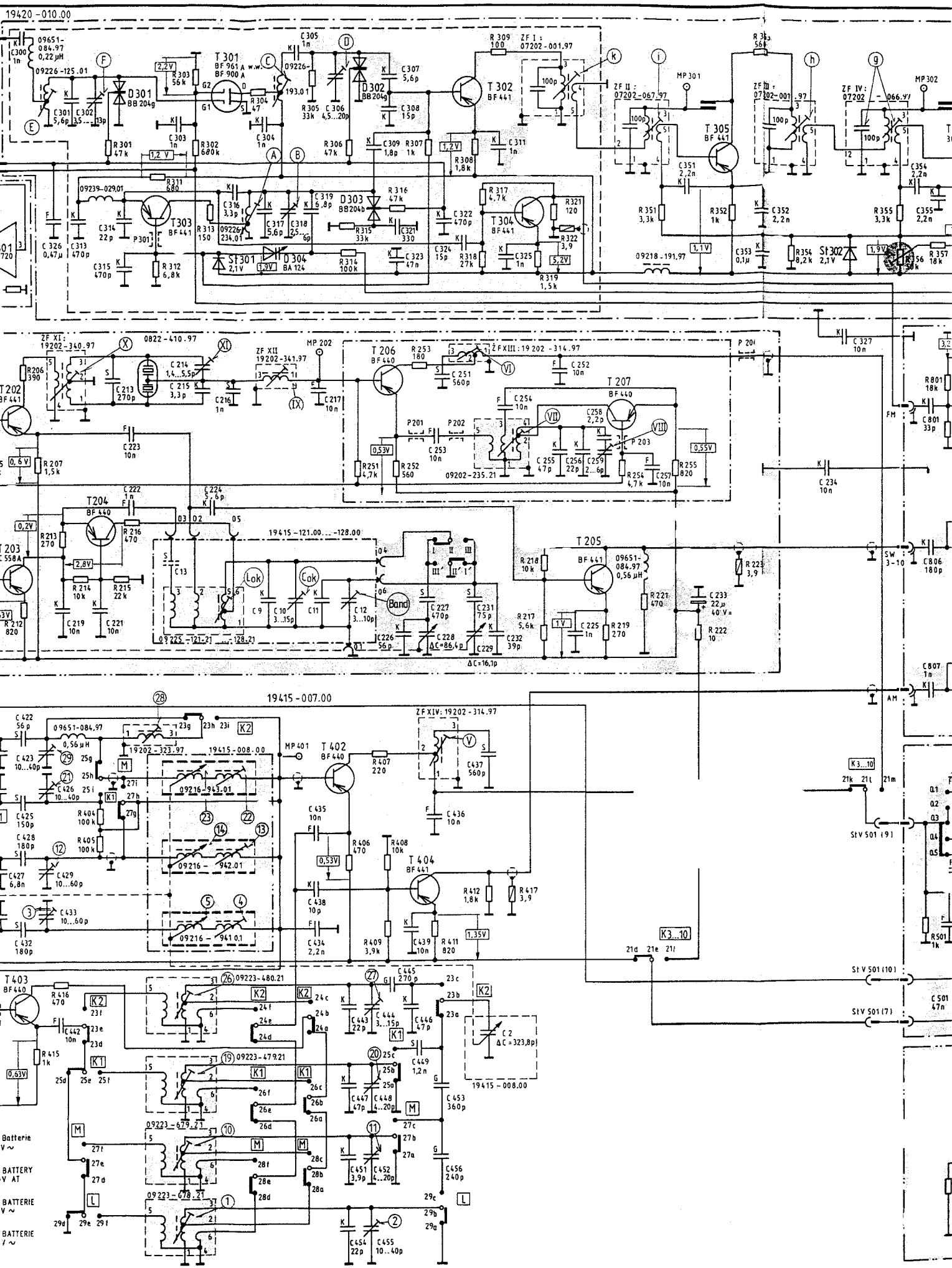
einstellbar
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mit R 473
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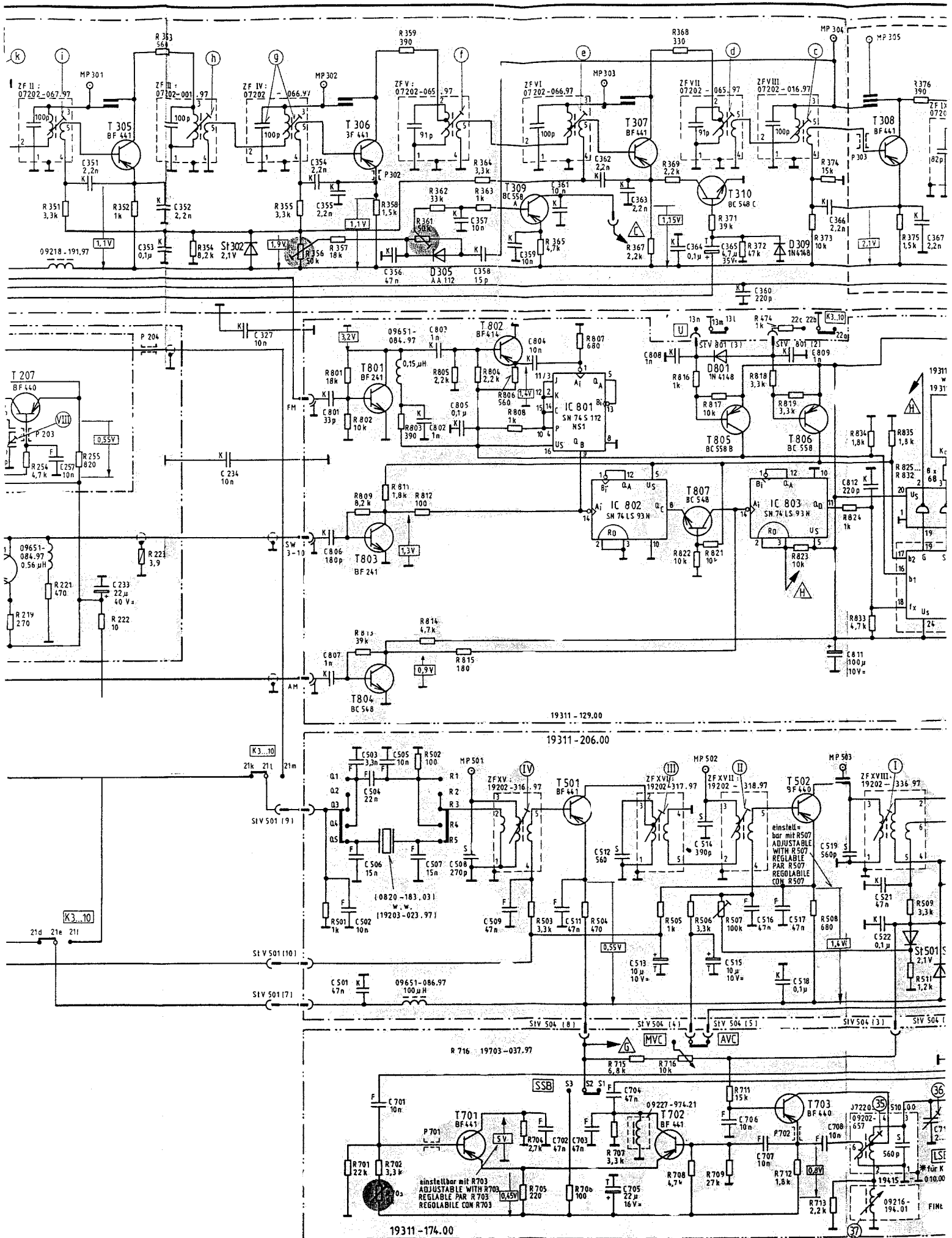
- Spannungen gemessen bei
- VOLTAGES MEASURED AT
- TENSIONI MISUREE A
- TENSIONI MISURATE CON



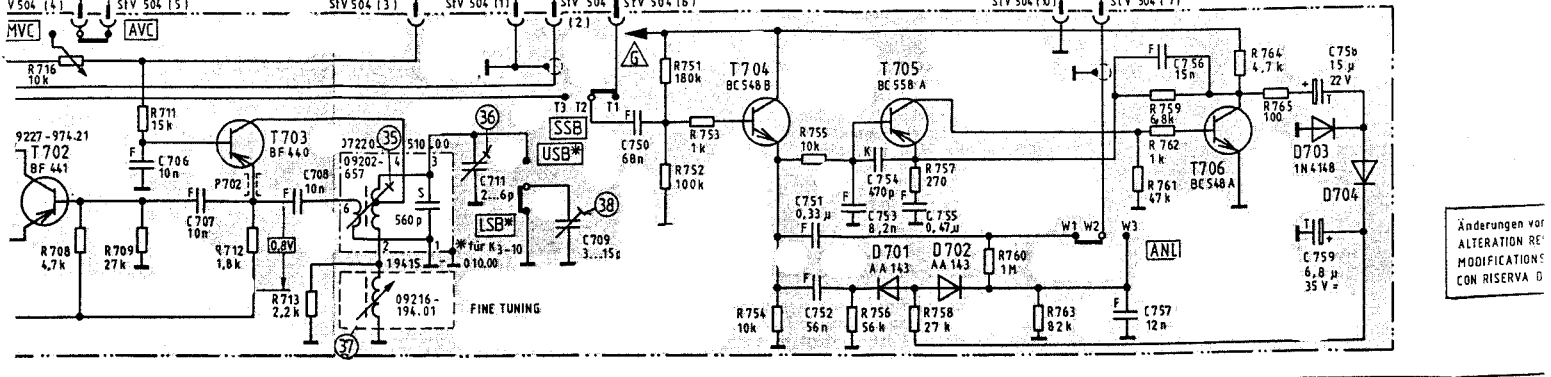
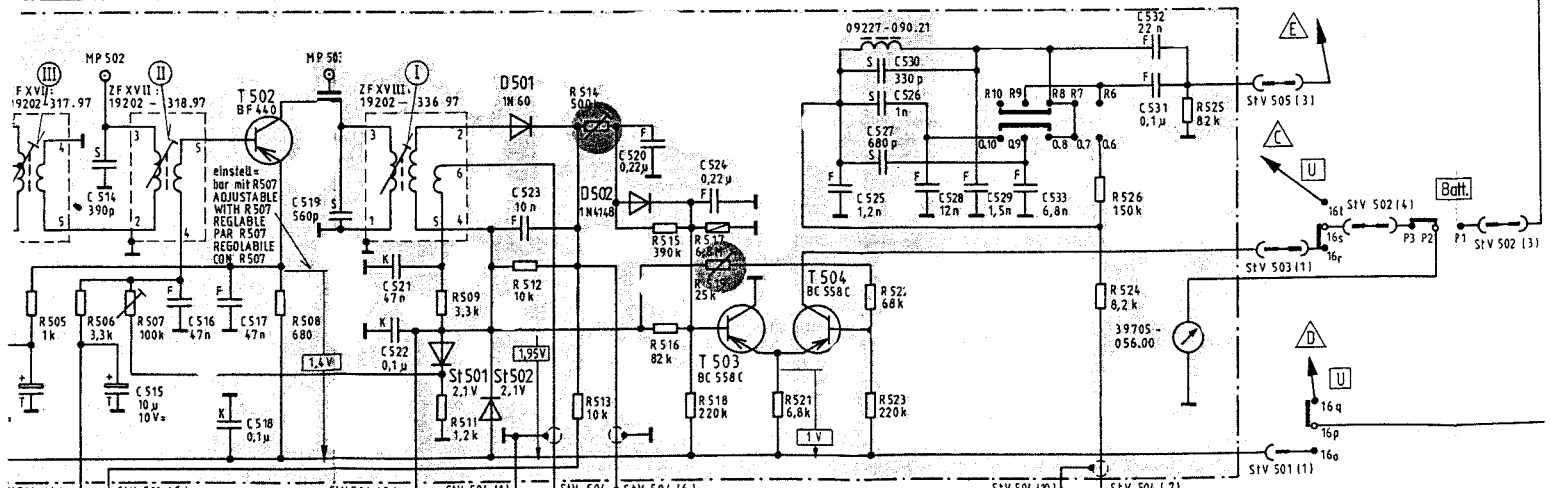
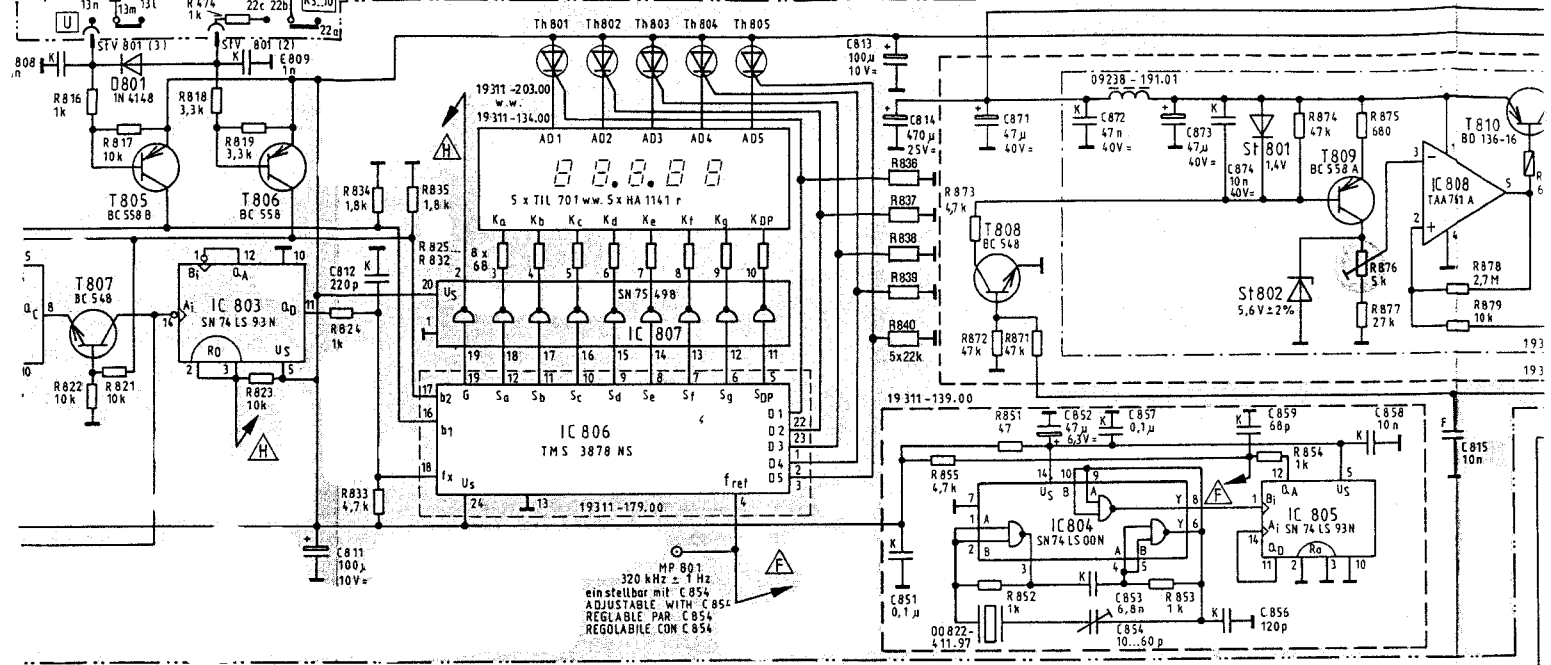
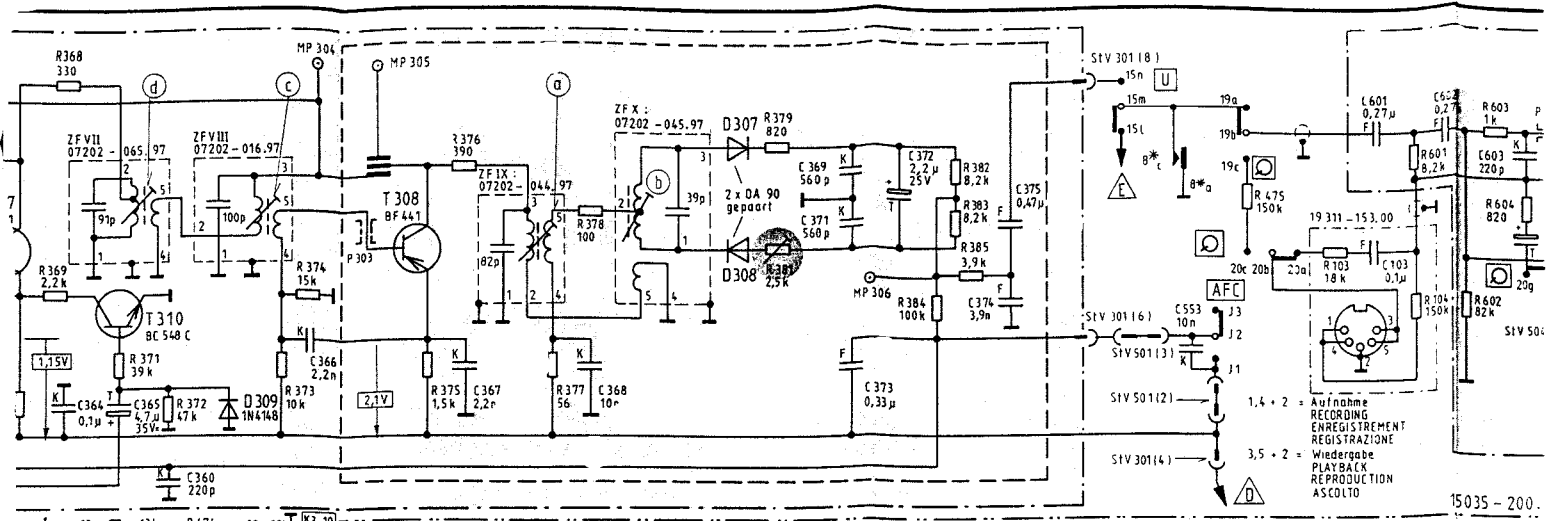
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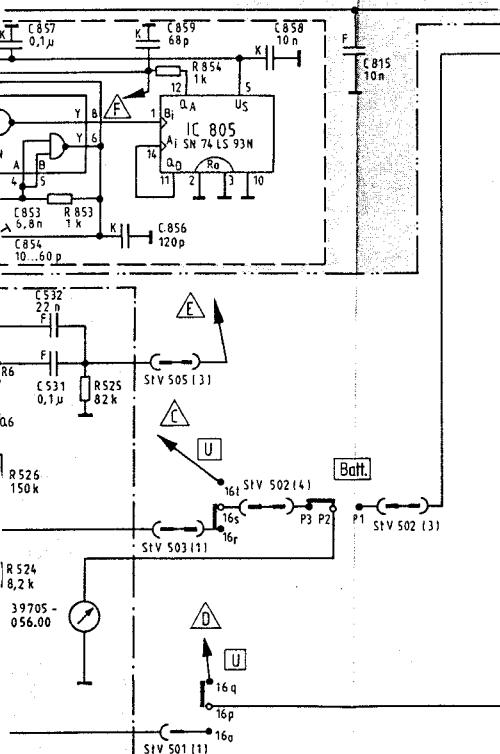
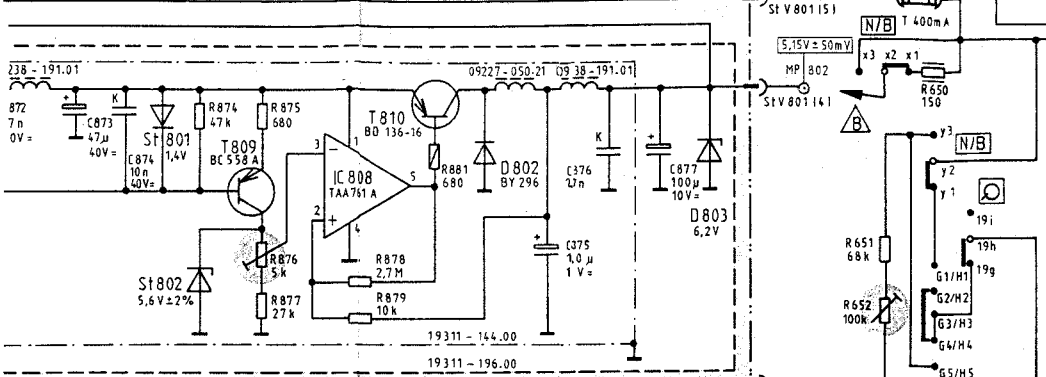
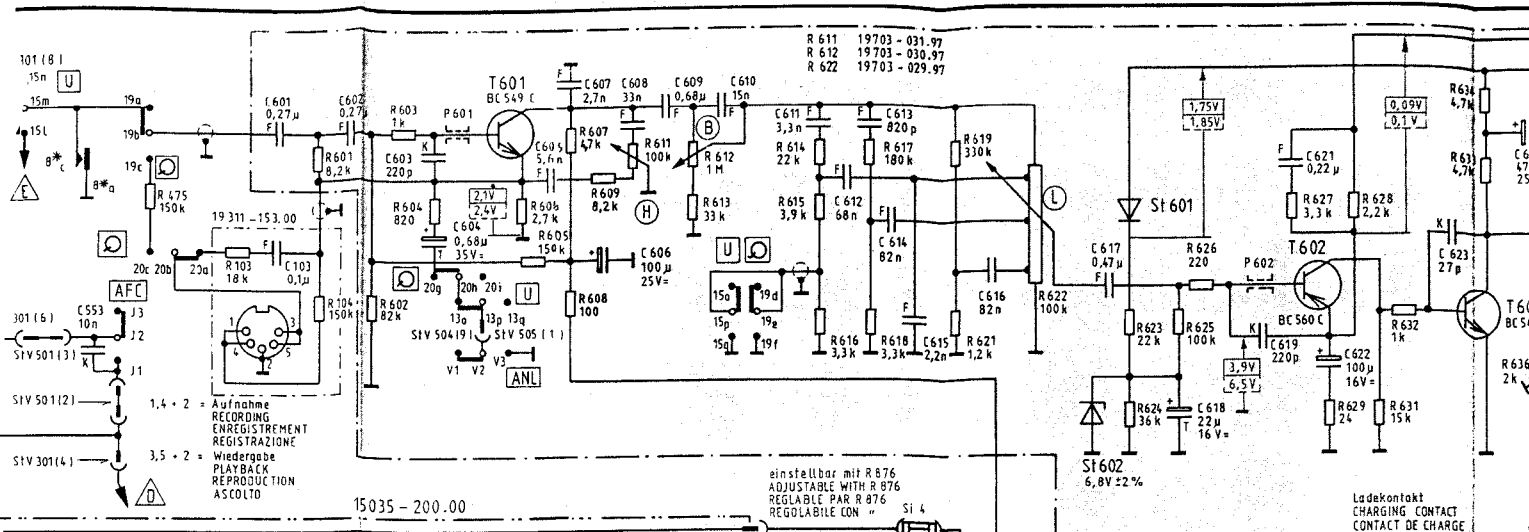


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Änderungen vor
 ALTERATION RE
 MODIFICATIONS
 CON RISERVA D



T 301	BF 961 A	09654 - 478.01	
	w.w. BF 900 A	09654 - 478.25	
T 601	BC 549 C	09654 - 239.97	
T 602	BC 560 C	- 309.97	
T 603	BC 548	- 238.97	
T 604	BC 338	- 302.97	
T 605	GC 289	- 269.01	
T 606	GD 363	- 363.97	
T 607	GD 364	- 364.97	
T 609	BC 548 B	oder GC 238 B	- 238.97
St 602	Z - Diode	6,8 V ± 2 %	09654 - 300.97
St 604	Z - Diode	7,5 V	- 124.97
St 605	Z - Diode	7,5 V	- 124.97
St 802	Z - Diode	5,6 V ± 2 %	- 299.97
D 802	BY 296		301.97
Th 801-805	S7550		990.02
	w.w. BRX 44		990.02
	w.w. BRY 55/30 G		990.37

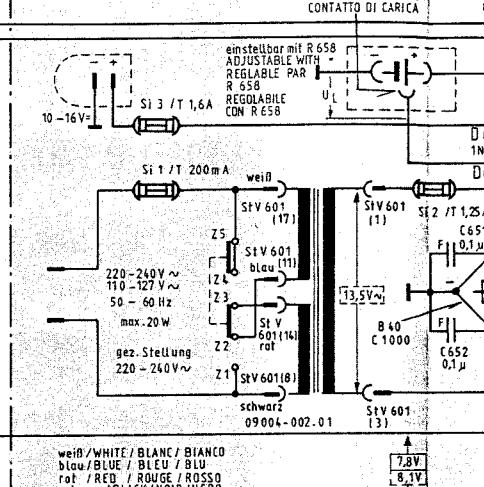
Ferritperle
FERRITE BEAD
PERLE FERRITE
PERLA DI FERRITA

09647 - 022.95	P 201, P 202
09647 - 022.97	P 204, P 301
	P 604, P 606
09647 - 021.97	P 608
09647 - 020.97	P 203, P 302, P 303, P 401,
	P 601 - 603, P 607,
	P 701, P 702

Wellenbereiche:
WAVE BANDS
GAMMES D'ONDES
GAMME D'ONDA:

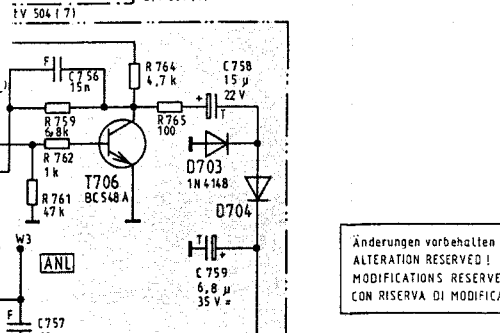
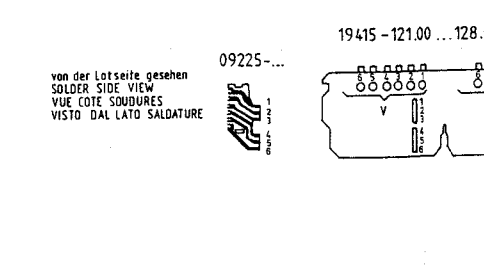
LW, GO, DL	145 420 kHz
MW, PD, DM	510 1620 kHz
K 1, SW, 1, OC1	1,6 3,5 MHz
K 2, SW, 2, OC2	3,3 5,2 MHz
UKW, FM	87,5 108 MHz

K 3 - K 10	Bereich / RANGE	Band / BANDA
K 3	49 m	5 6,65 MHz
K 4	41 m	6,6 8,4 MHz
K 5	31 m	8,2 10,55 MHz
K 6	25 m	10,5 13,2 MHz
K 7	19 m	12,9 16,3 MHz
K 8	16 m	15,8 19,8 MHz
K 9	13 m	18,35 23,5 MHz
K 10	11 m	23,4 30 MHz

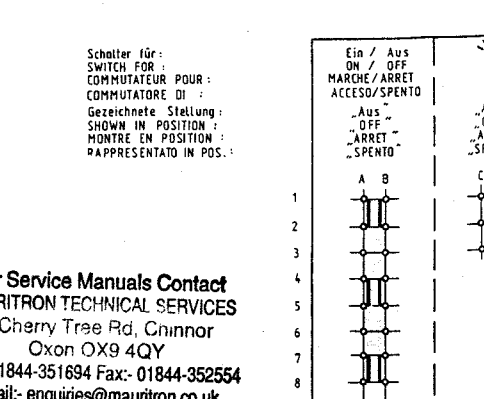


weiß / WHITE / BLANC / BIANCO
blau / BLUE / BLEU / BLU
rot / RED / ROUGE / ROSSO
schwarz / BLACK / NOIR / NERO

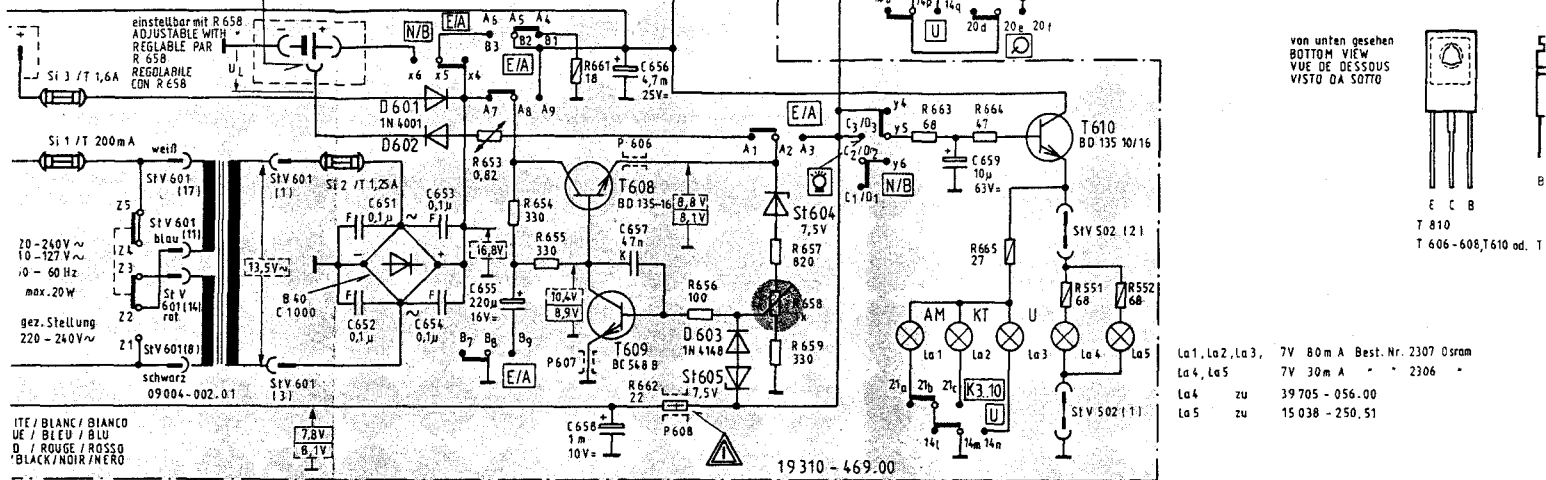
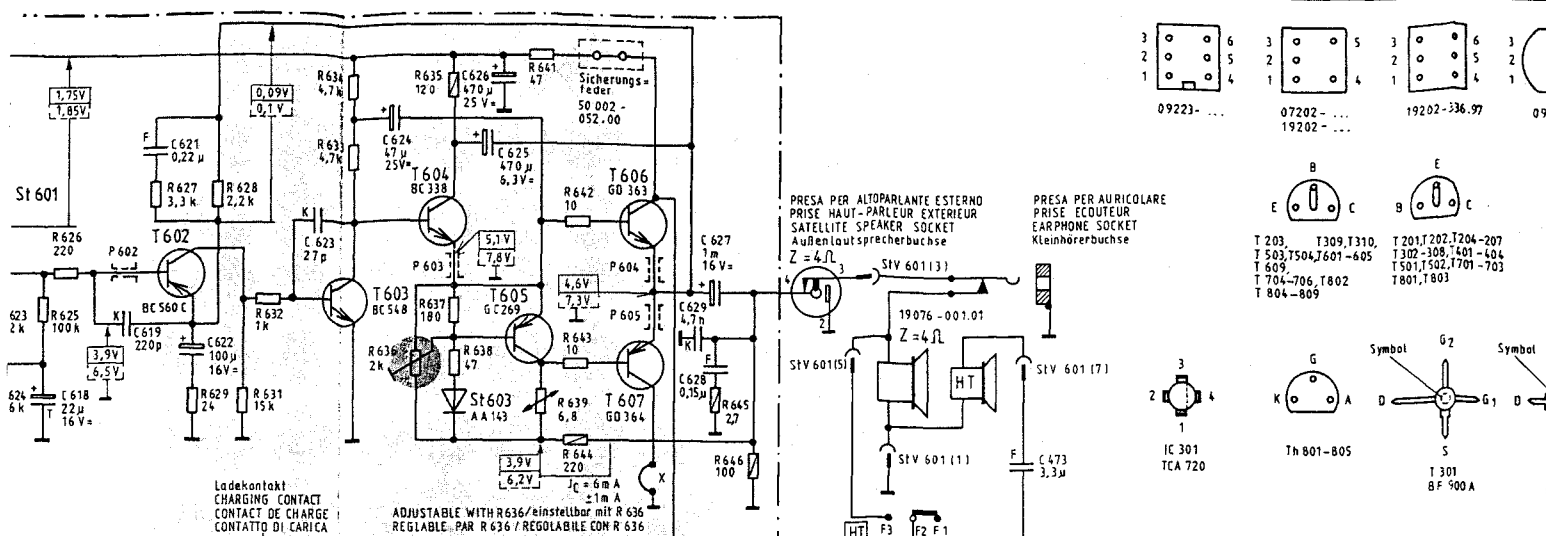
Bereich	Spulensatz	Vorkreis	Zwischenkreis
RANGE	COIL SET	INPUT	INTERMEDIATE
GAMME	COMPL. DELLE	CIRCUIT D'ENTREE	CIRCUIT INTERI
GAMME	BOBINE GRUPPO	PRESTADIO	CIRCUIT INTERI
	Kpl. Nr.	C1/	C2/
	19415 -	09225- pF	09225- pF
		C3/	C4/
		pF	pF
		C5/	C6/
		09225- pF	09225- pF
K 3	49 m	- 121.00	- 101.21
K 4	41 m	- 102.21	- 101.21
K 5	31 m	- 123.00	- 103.21
K 6	25 m	- 124.00	- 104.21
K 7	19 m	- 125.00	- 105.21
K 8	16 m	- 126.00	- 106.21
K 9	13 m	- 127.00	- 107.21
K 10	11 m	- 128.00	- 108.21



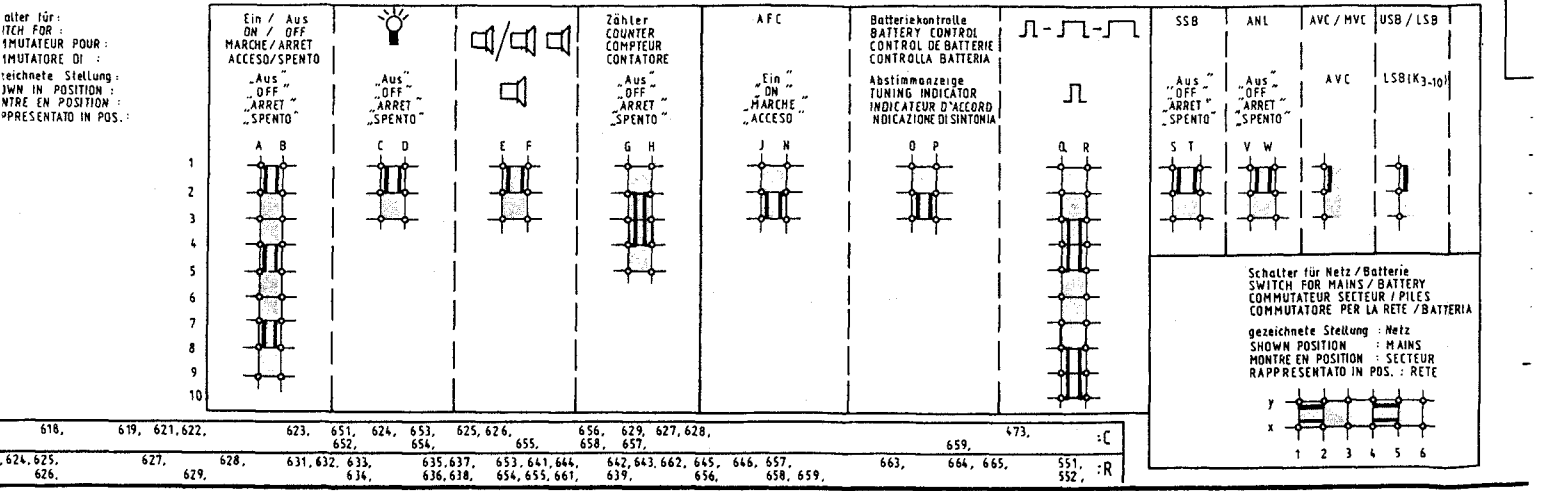
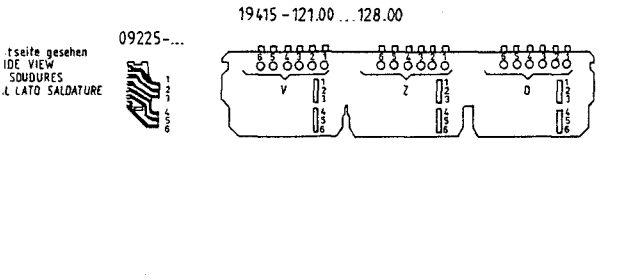
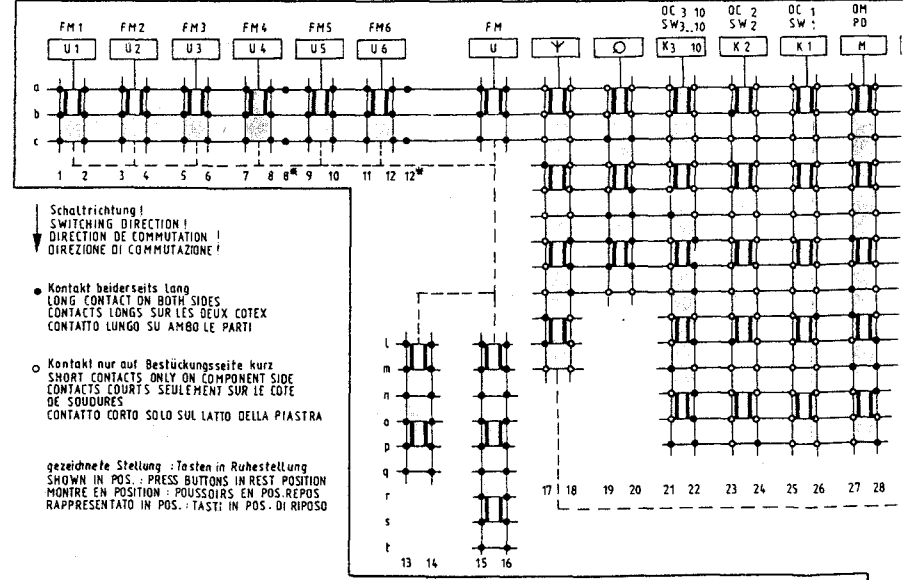
Änderungen vorbehalten!
ALTERATION RESERVED!
MODIFICATIONS RESERVEES!
CON RISERVA DI MODIFICA!



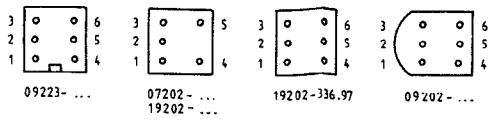
For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
8 Cherry Tree Rd, Chinnor
Oxon OX9 4QY
Tel: 01844-351694 Fax: 01844-352554
Email: enquiries@maurtron.co.uk



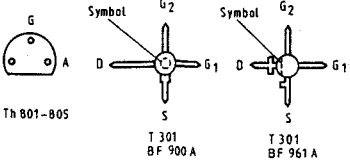
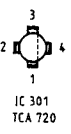
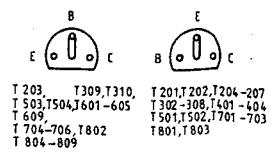
Spulensatz COIL SET BOUC BOINAGE COMPL. DELLE BOBINE GRUPPO	Vorkreis INPUT CIRCUIT CIRCUIT D'ENTREE PRESTADIO			Zwischenkreis INTERMEDIATE CIRCUIT CIRCUIT INTERMEDIARE CIRCUIT OSCILLATORE				Oszillatorkreis OSCILLATOR CIRCUIT CIRCUIT D'OSCILLATORE CIRCUIT OSCILLATORE							
	Kpl. Nr. 19415 -	C1 / pF	Lv. kpl. pF	C2 / pF	C3 / pF	C4 / pF	Lz kpl. pF	C5 / pF	C6 / pF	C7 / pF	C8 / pF	Lp kpl. pF	C9 / pF	C11 / pF	C12 / pF
fm - 121.00	-	101.21	-	10...60	10...40	211.21	4,7	10...40	10...40	2,2	121.21	33	12	-	-
1m	122.00	-	102.21	22	10...60	212.21	4,7	10...60	10...60	1,8	122.21	43	33	-	-
1m	123.00	-	103.21	16	10...60	213.21	5,6	10...60	10...40	1,5	123.21	36	15	-	-
1m	124.00	-	104.21	22	10...60	214.21	6,8	10...60	10...60	1,2	124.21	43	24	-	-
n	125.00	-	105.21	18	10...60	215.21	8,2	10...60	10...40	1	125.21	39	15	-	-
n	126.00	-	106.21	27	10...60	216.21	8,2	10...60	10...60	0,8	126.21	43	27	-	-
n	127.00	470	207.21	-	10...60	217.21	10	10...40	10...40	0,47	127.21	33	22	-	-
n	128.00	82	208.21	-	10...60	218.21	12	10...40	10...60	0,39	128.21	36	36	180	-



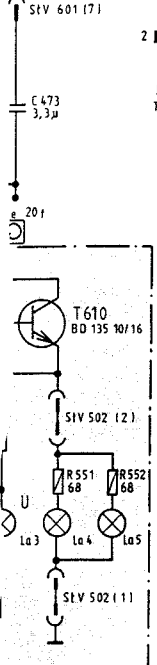
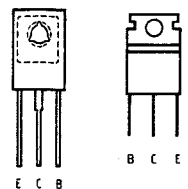
618,	619,	621,622,	623,	651,	624,	653,	654,	625,626,	655,	656,	629,	627,628,	657,	659,	473,	:C
3,624,625,	627,	628,	631,632,633,	634,	635,637,	636,638,	654,655,661,	639,	656,	642,643,662,645,	646,657,	663,	664,665,	551,	552,	:R



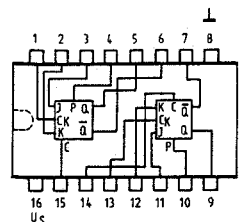
PRESA PER AURICOLARE
PRISE ECOUTEUR
EARPHONE SOCKET
Kteinhörerbuchse



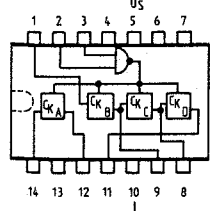
von unten gesehen
BOTTOM VIEW
VUE DE DESSOUS
VISTO DA SOTTO



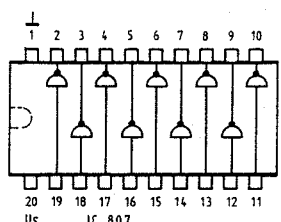
La1, La2, La3, 7V 80mA Best.-Nr. 2307 Osrnm
La4, La5 7V 30mA " " 2306 "
La4 zu 39705 - 056.00
La5 zu 15038 - 250.51



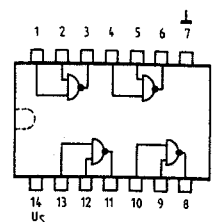
IC 801
SN 74 S 112 NS 1



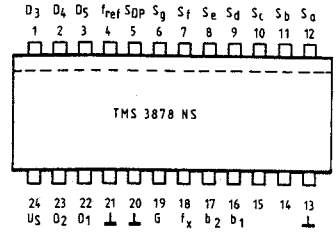
IC 802, 803, 805
SN 74 LS 93 N



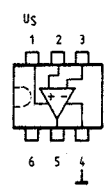
IC 807
SN 75 498



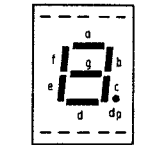
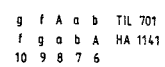
IC 804
SN 74 LS 00 N



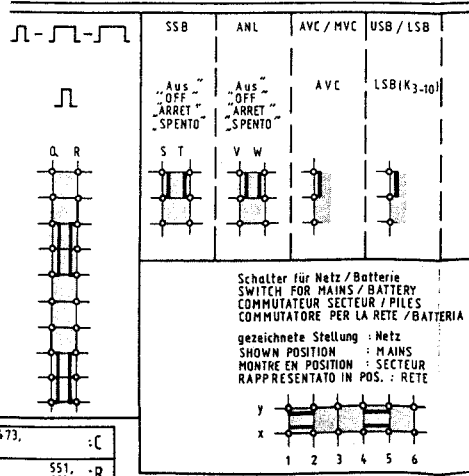
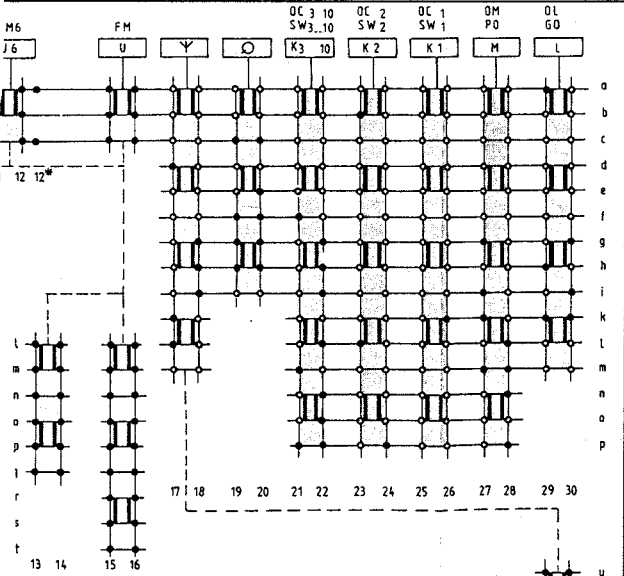
IC 806



IC 808
TAA 761 A



A = gemeinsame Anode
von oben gesehen
A = ANODE IN COMMON
TOP VIEW
A = ANODE COMMUNE
VUE DE DESSOUS
A = ANODE COMUNE
VISTO DA SOPRA



Schalter für Netz / Batterie
SWITCH FOR MAINS / BATTERY
COMMUTATEUR SECTEUR / PILES
COMMUTATORE PER LA RETE / BATTERIA
gezeichnete Stellung : Netz
SHOWN POSITION : MAINS
MONTRE EN POSITION : SECTEUR
RAPPRESENTATO IN POS. : RETE

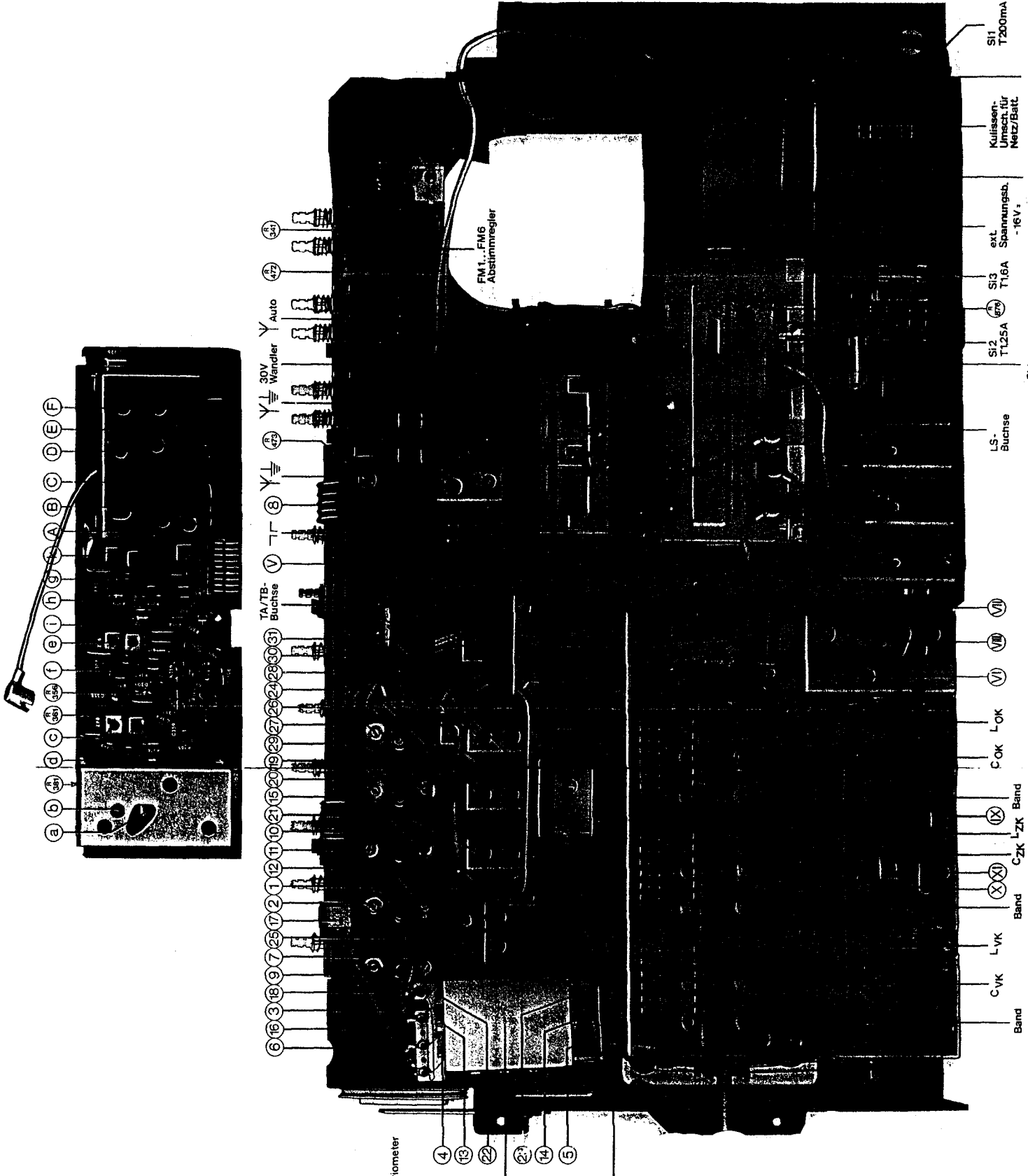
- Elko 0207 DIN
- Tantal-Elko 0411 DIN
- Styrolflex-Kond. 0204 DIN
- Folien-Kond. nicht entflammbar / NON INFLAMMABLE
- Keramik-Kond.
- Glimmer-Kond.

gedruckter Kondensator
PRINTED CAPACITOR
CONDENSATEUR IMPRIME
CONDENSATORE STAMPATO

FM-Teil FM-UNIT PARTIE - FM PARTE - FM	19420 - 010.00	Frequenzzähler FREQUENCY COUNTER COMPTEUR DE FREQUENCE FREQUENZIMETRO	15035 - 200.00
Ferritstabantenne kpl. FERRIT AERIAL ANTENNE FERRITE ANTENNA DI FERRITE COMPL.	19426 - 032.00	Verstärkerplatte AMPLIFIER BOARD PLAQUE AMPLIFICATEUR PIASTRA AMPLIFICATORE	19311 - 129.00
Spulensatz COIL SET BLOC BOBINAGE COMPLESSO DELLE BOBINE - GRUPPO - AF	19415 - 007.00	MOS IC-Platte MOS IC-BOARD PLAQUE-MOS IC PIASTRA-MOS IC	19311 - 179.00
Buchsenplatte SOCKET BOARD PLAQUE DE PRISES PIASTRA PRESE	19311 - 153.00	Oszillator - Platte OSCILLATOR - BOARD PLAQUE-OSCILLATEUR PIASTRA OSCILLATORE	19311 - 139.00
30V - Wandler 30V - TRANSFORMER TRANSUCTEUR - 30V CONVERTITORE - 30V	19310 - 528.00	Anzeige - Platte INDICATOR - BOARD PLAQUE INDICATEURS PIASTRA INDICATORE	19311 - 134.00 ww.19311 - 203.00
AM - Variometer AM - VARIOMETER VARIOMETRE - AM VARIOMETRO - AM	19415 - 008.00	5V - Wandler 5V - TRANSFORMER TRANSUCTEUR - 5V CONVERTITORE - 5V	19311 - 196.00
KW - Tuner SW - TUNER TUNER - OC TUNER - OC	19415 - 009.00	NF - Teil AF - UNIT PARTIE - FA PARTE - BF	19310 - 469.00
Tuner - Platte TUNER - BOARD PLAQUE - TUNER PIASTRA - TUNER	19311 - 168.00	Netzteil - Platte POWER - SUPPLY BOARD PLAQUE D'ALIMENTATION PIASTRA DI ALIMENTAZIONE	19310 - 474.00
AM - ZF - Platte AM - IF - BOARD PLAQUE - AM - FI PIASTRA - AM - FI	19311 - 206.00	Schalterplatte SWITCH BOARD PLAQUE DE COMMUTATION PIASTRA DI COMMUTATORE	19310 - 480.00
SSB - Platte SSB - BOARD PLAQUE - SSB PIASTRA - SSB	19311 - 174.00	Quarz - Uhr QUARTZ - CLOCK HORLOGE A QUARTZ OROLOGIO QUARTZO	15038 - 250.51



Satellit 3400 professional
(15038-906.01)



AM-Varionometer

- 4
- 13
- 22
- 23
- 14
- 5

Wichtig!

Vor Neueinstellung des Varionometers ist die Drehknocheinstellung erfolgt durch seitliches Wegschieben der Varionometerführung. Die Oberkante des Schiebers muß innerhalb der Einstellspalten im Rahmen stehen. (Siehe Profil)

Important!

Before readjusting the varionometer, the variable capacitor must be carried out by pressing sideways the toolhead and displacing the varionometer guide. The upper edge of the slider must be situated inside the notching in the frame. (See arrow!)

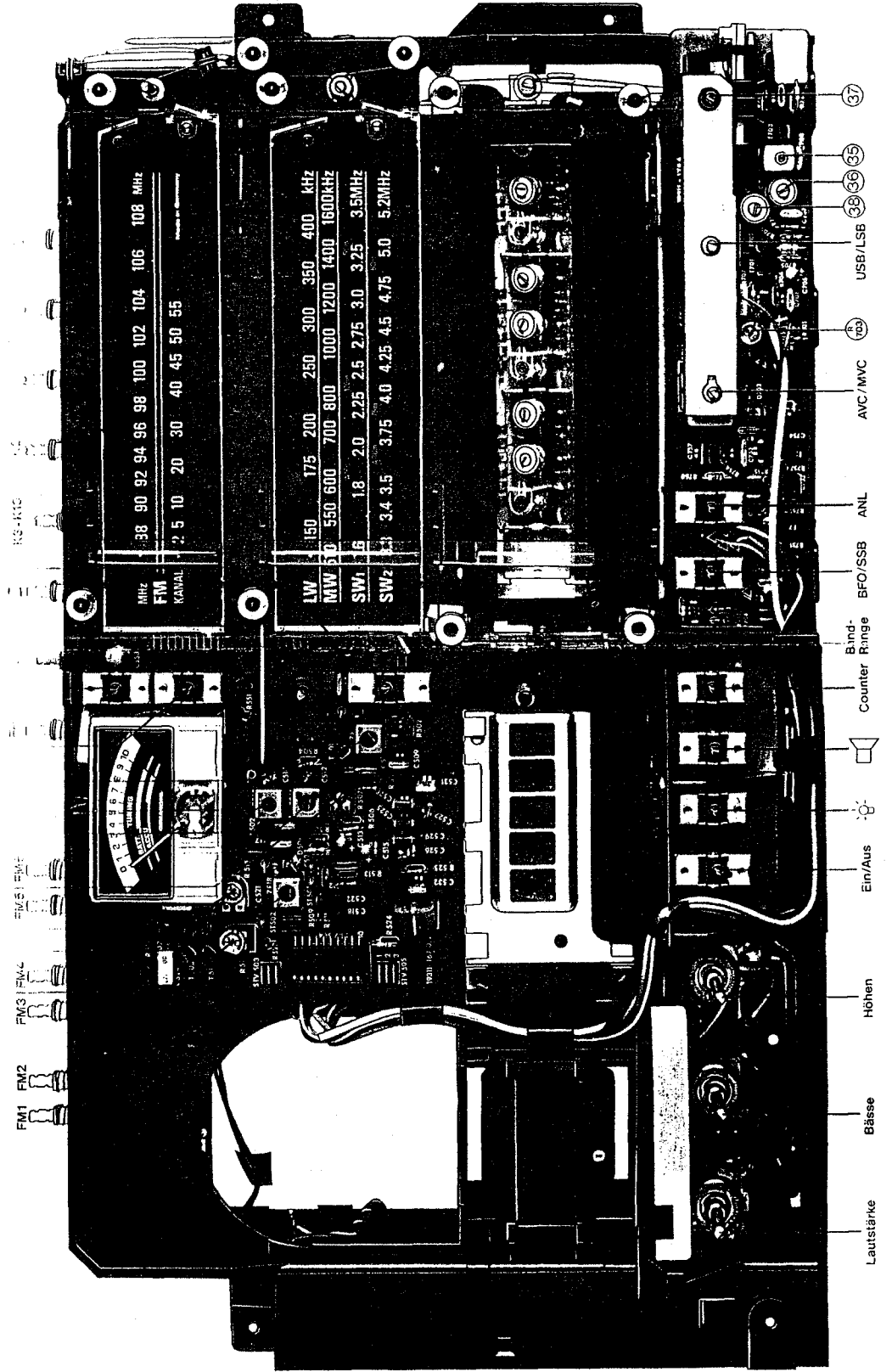
Important!

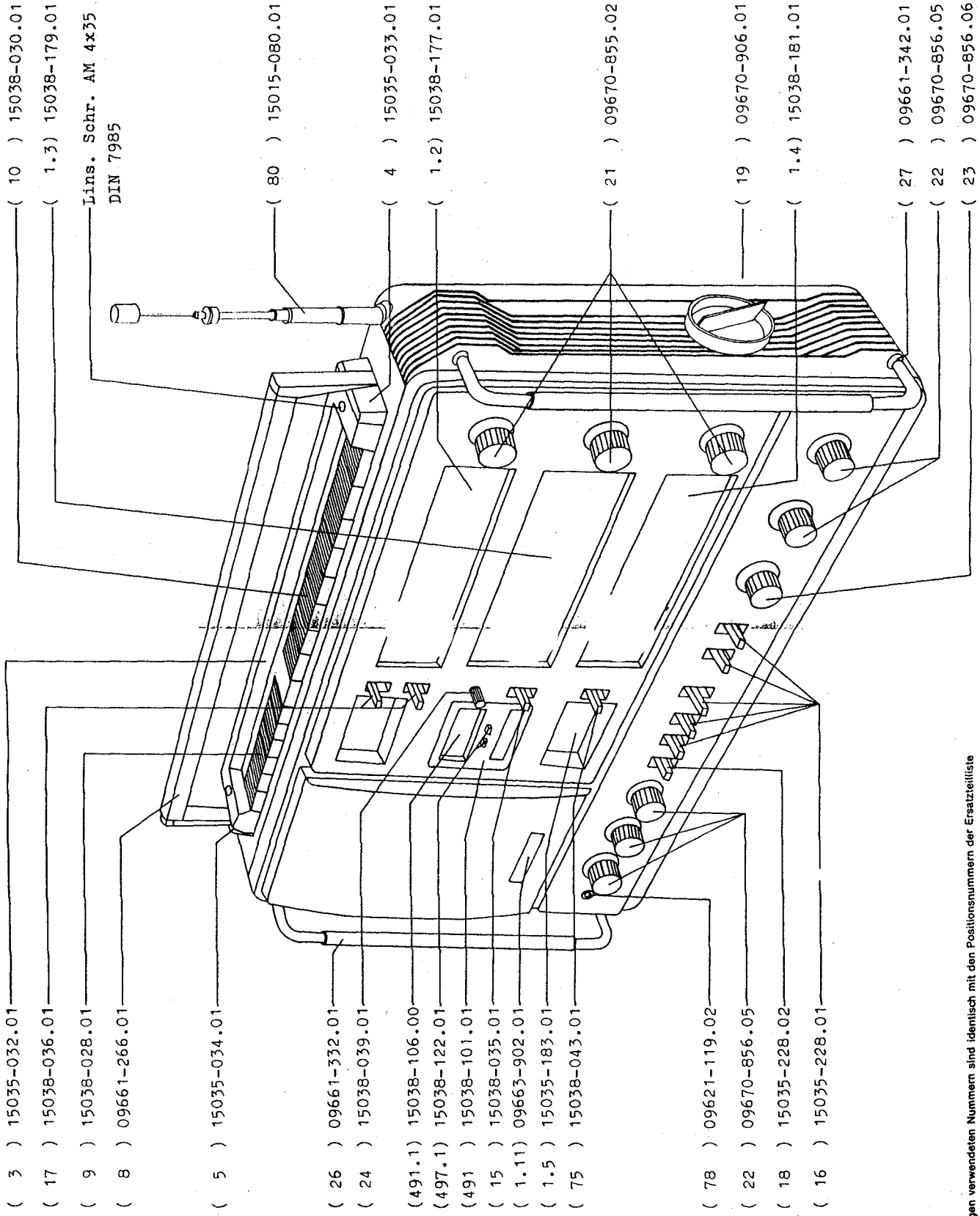
Avant la réajustage du varionomètre, fermer le condensateur variable. Le réajustage est fait en pressant de côté l'outil de réglage du varionomètre. Le bord supérieur du tiroir doit être situé au-dessous de la rainure dans le cadre. Voir la flèche!

Importante!

Prima della nuova regolazione del varionometro è necessario spostare lateralmente la guida del varionometro. La regolazione vera e propria avviene premendo lateralmente il manico del varionometro, assicurandosi che il supporto superiore del varionometro sia dentro i fori. Lo spigolo superiore del cursore deve trovarsi vicino all'incisione sul telaio. Vedi freccia.

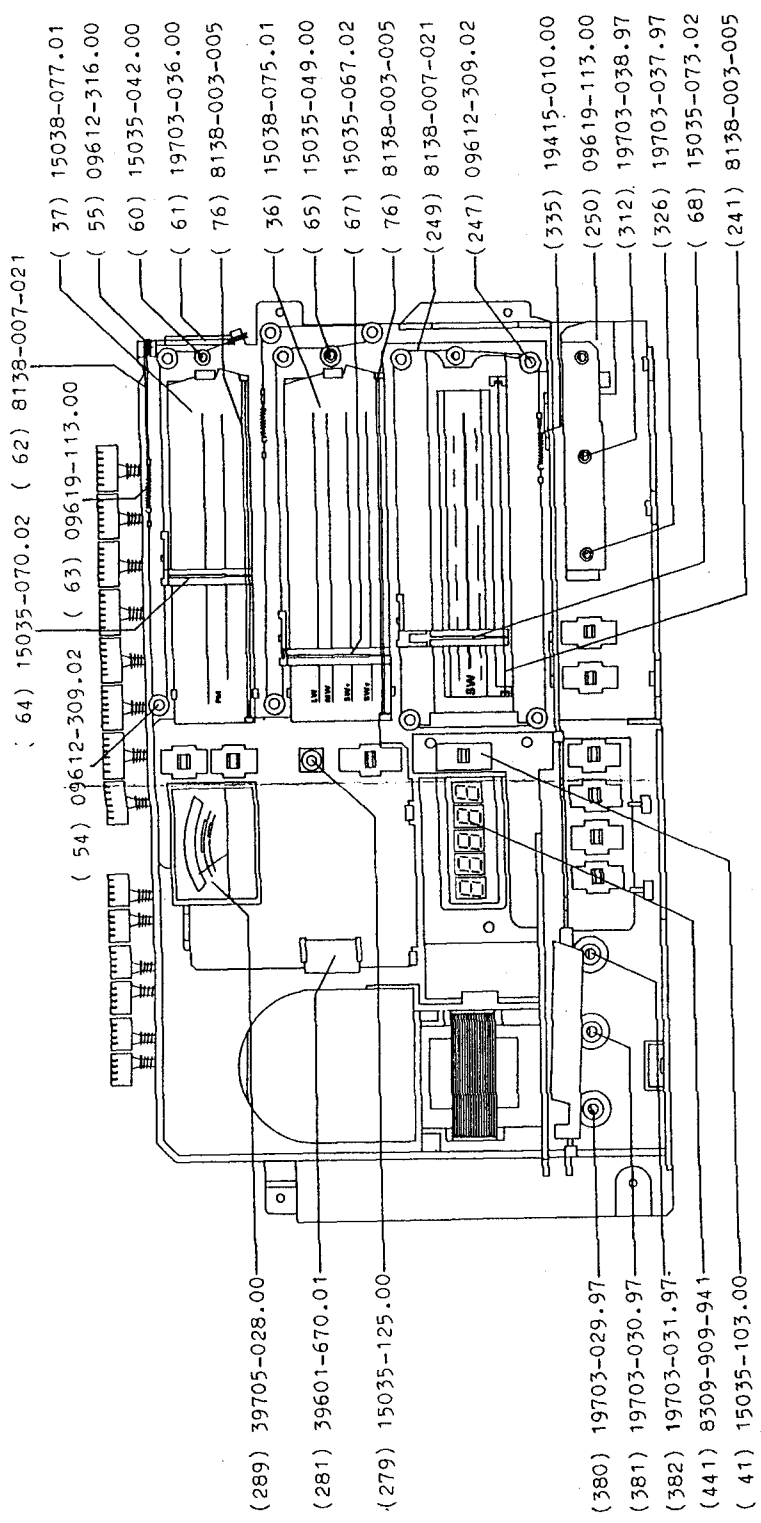
Abgleich-Lagediagramm
 ALIGNMENT SCHEMATIC
 PLAN DE REGLAGE
 PIANO DI TARATURA



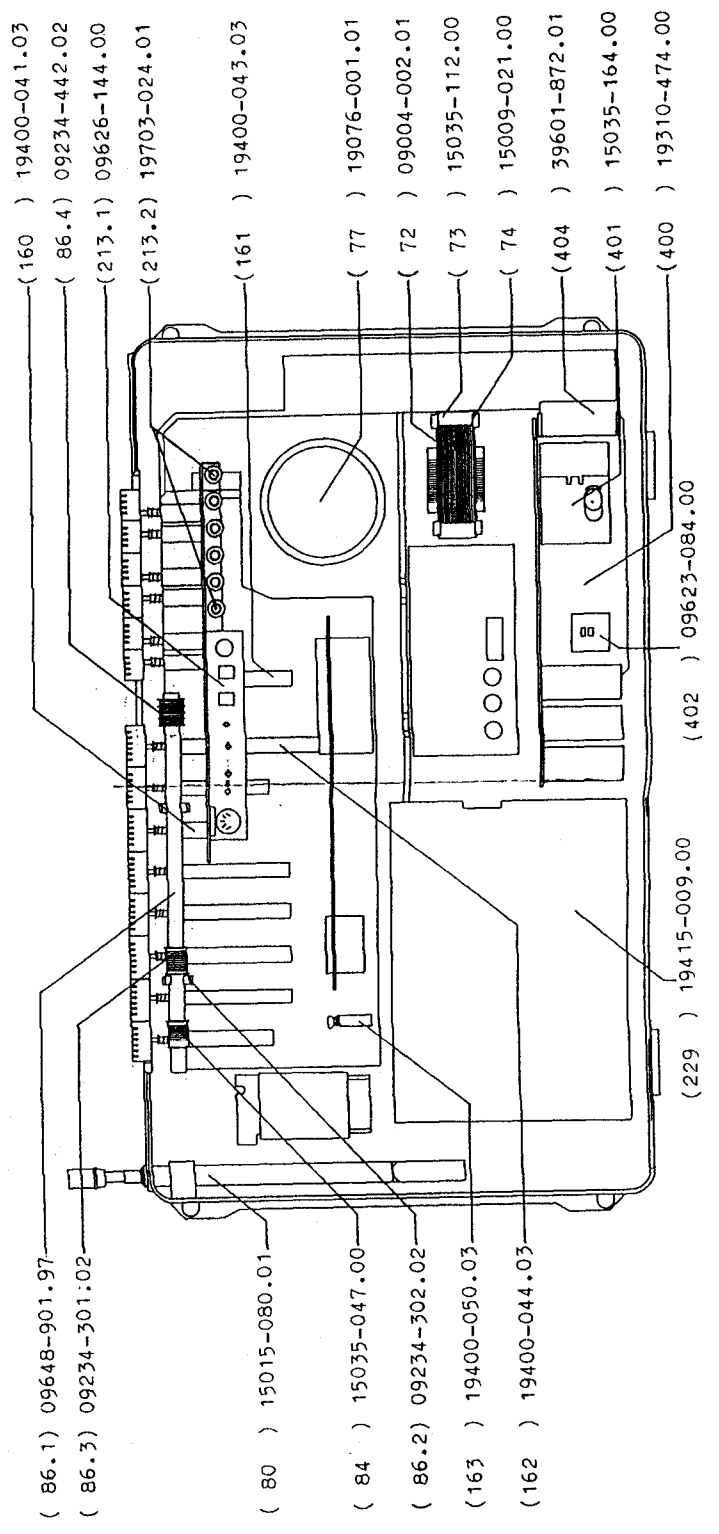


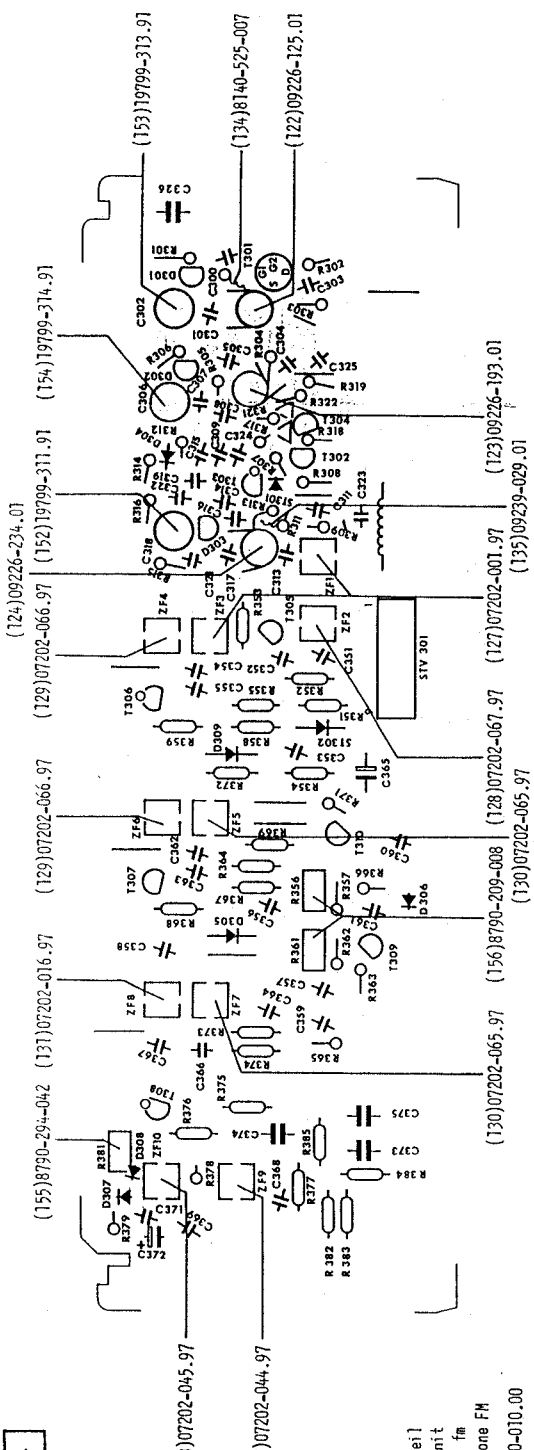
Die bei den Abbildungen verwendeten Nummern sind identisch mit den Positionsnummern der Ersatzteilliste
 THE INDICATED NUMBERS ARE IDENTICAL WITH THE SPARE PARTS LIST
 LES NUMEROS DE POSITION SONT IDENTIQUES A CEUX UTILISES SUR LES FIGURES
 I NUMERI INDICATI NELLE ILLUSTRAZIONI CORRISPONDONO AI NUMERI DI POSIZIONE NELLA LISTA RICAMBI

2

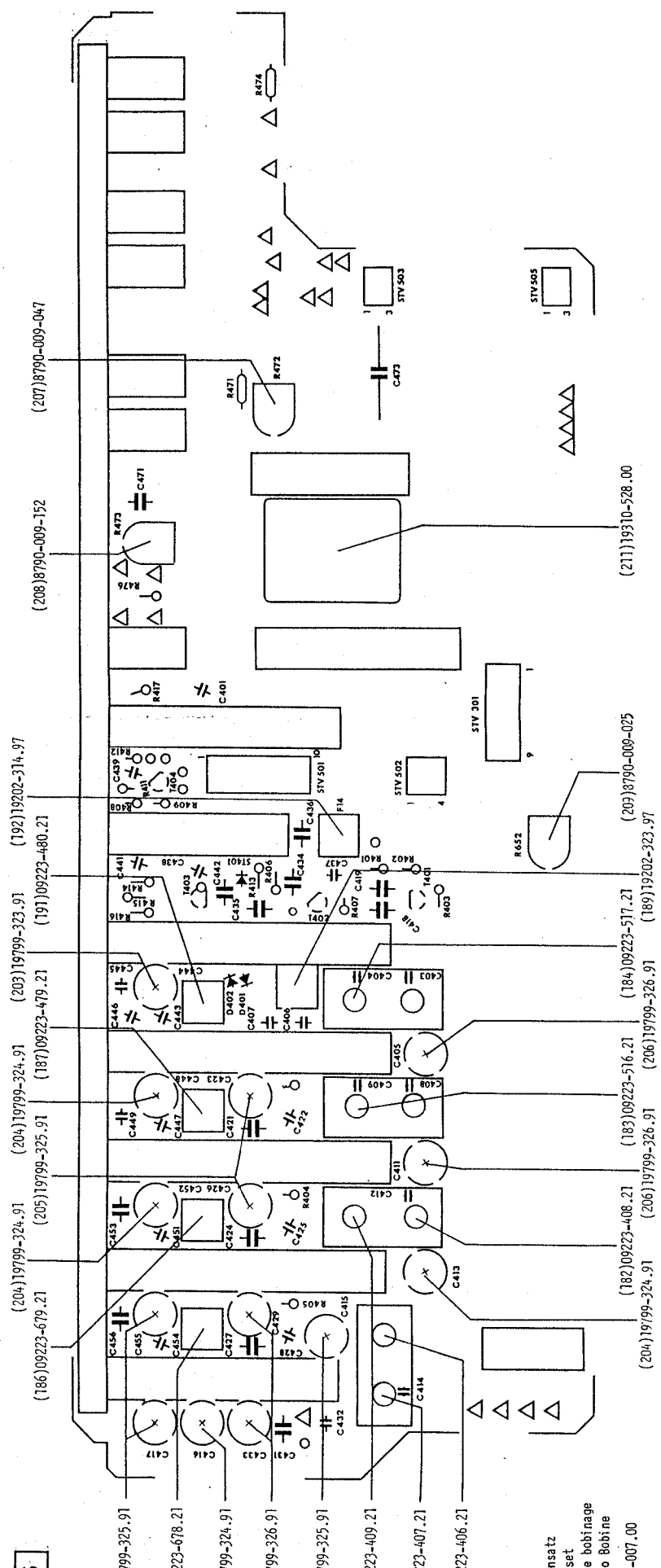


3

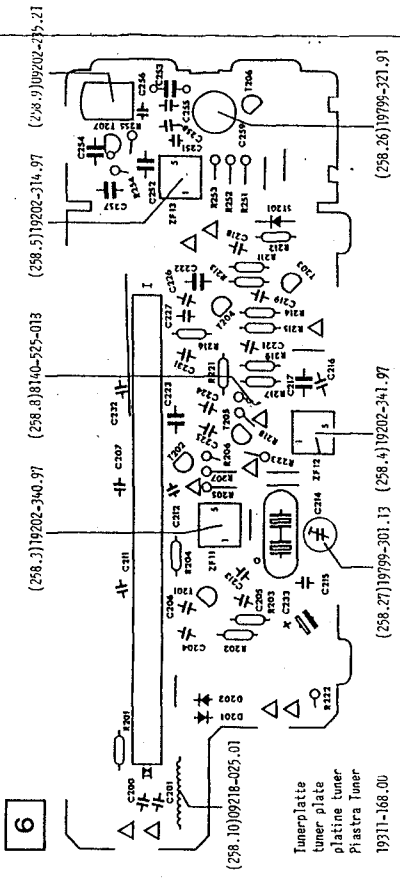




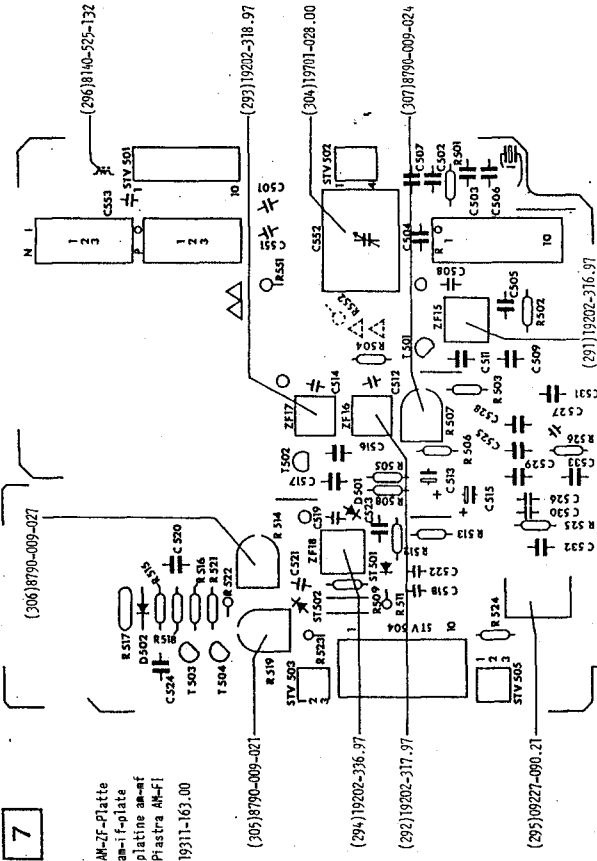
-teil
 -unit
 ic fm
 -ione FM
 -20-010.00



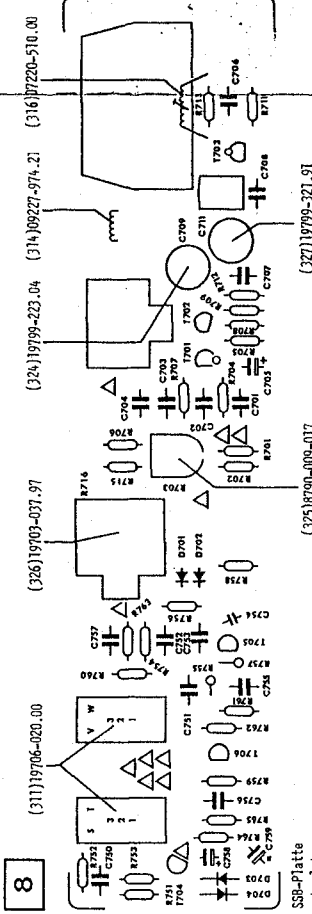
lensatz
 set
 de bobinage
 apo Bobine
 15-007.00



Tunerplatte
 tuner plate
 platine tuner
 Plastra Tuner
 19311-168.00

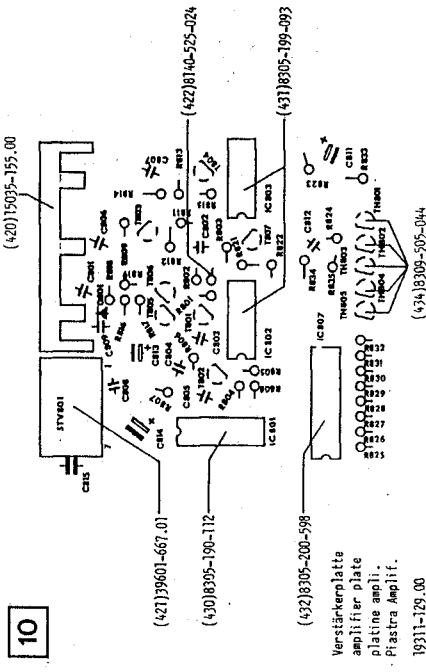


AM-FI-Platte
 am-f-plate
 Platine AM-FI
 19311-163.00



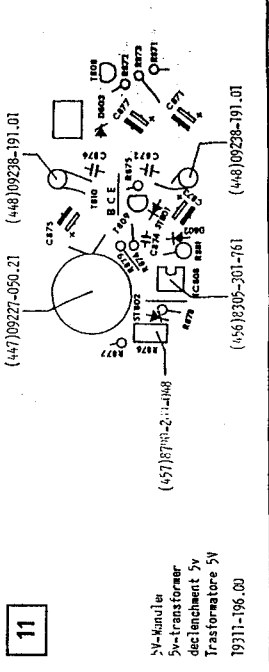
SSB-Platte
 sss-plate
 platine sss
 Plastra SSB
 19311-174.00

10



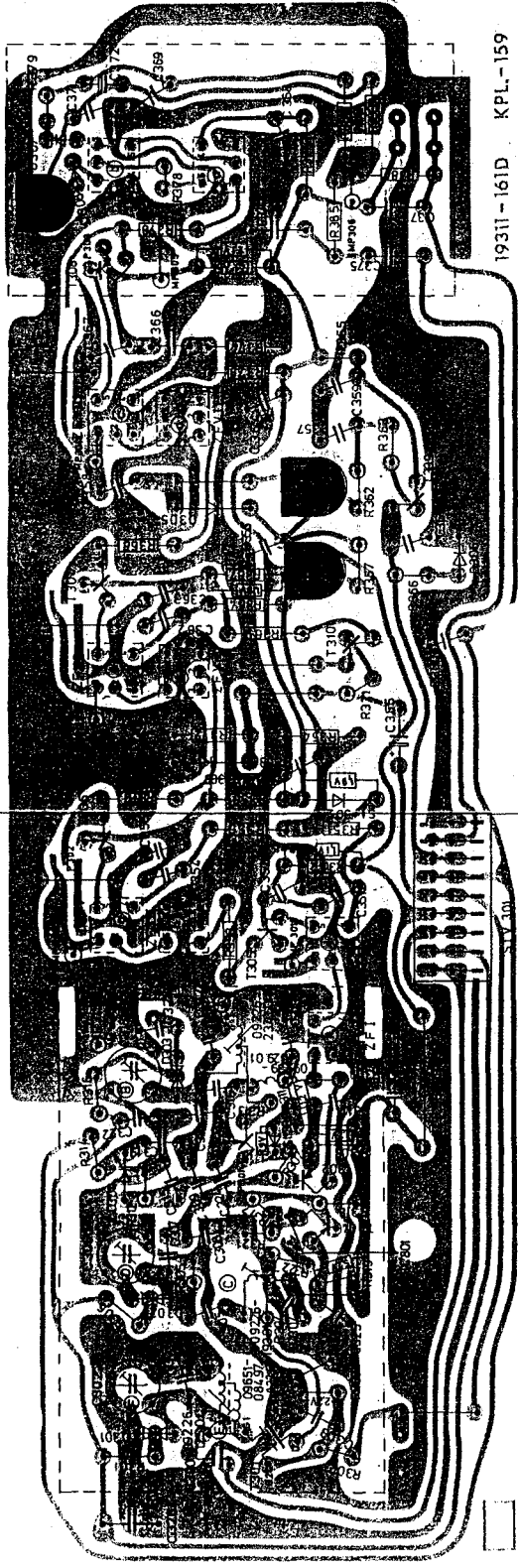
Verstärkerplatte
 amplifier plate
 platine amplif.
 Plastra Amplif.
 19311-129.00

11



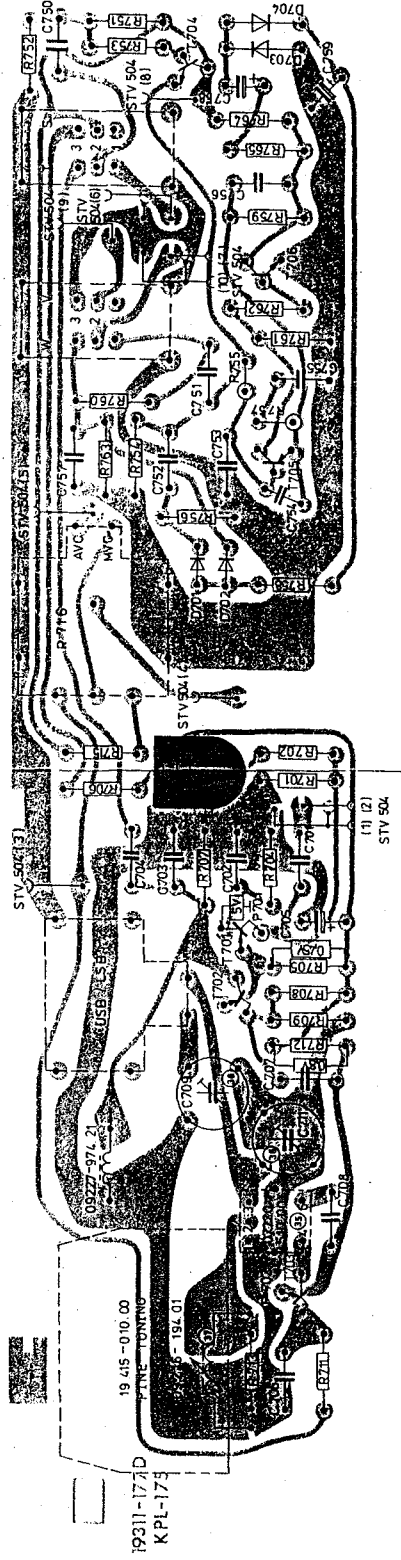
5V-Kwandler
 5v-transformer
 detachement 5v
 Transformator 5V
 19311-195.00

19420-010.00
 FM-Teil, Lötseite
 FM-UNIT, SOLDER SIDE
 PARTIE-FM, COTE SOUDURES
 PARTE-FM, LATO SALDATURE

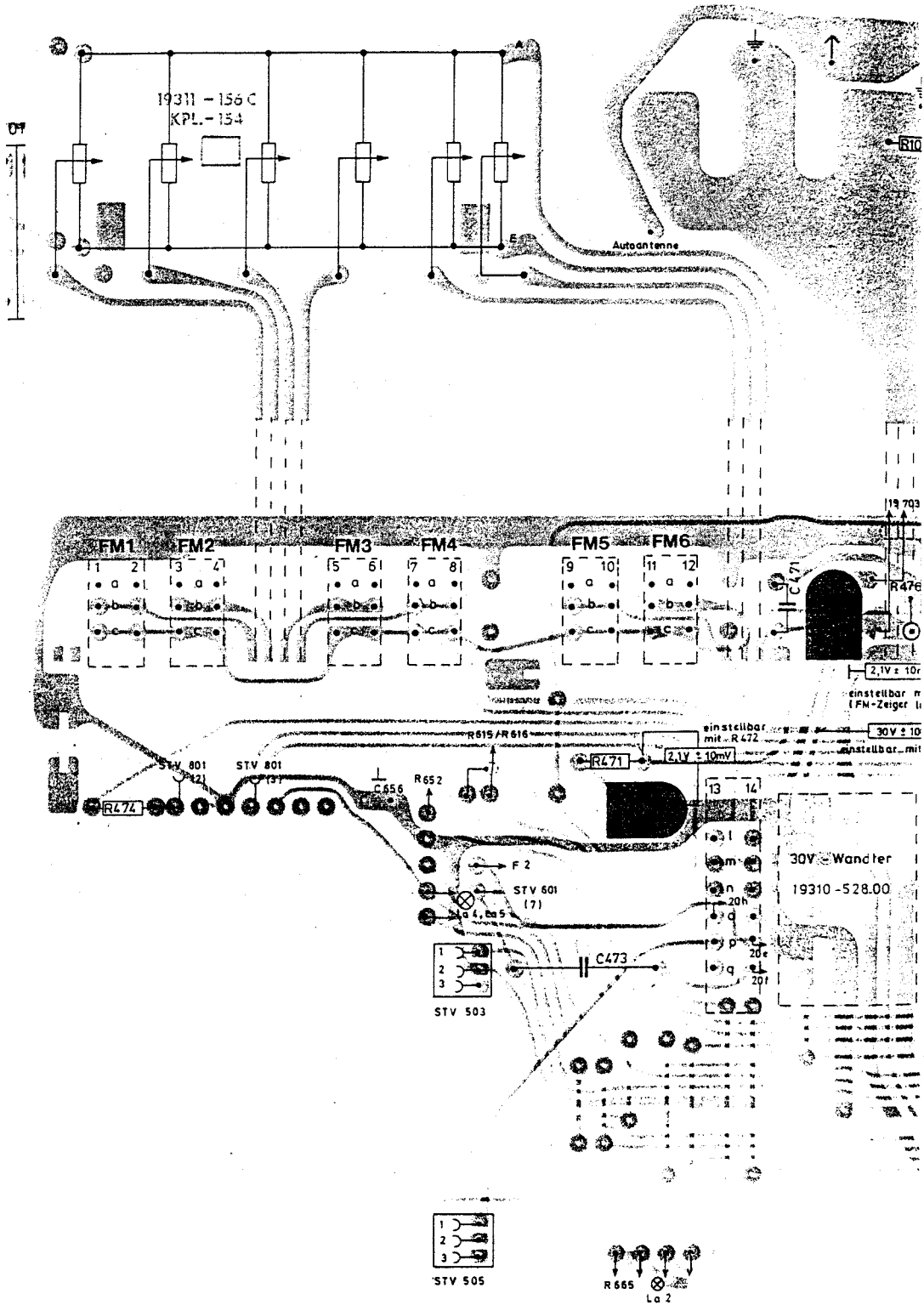


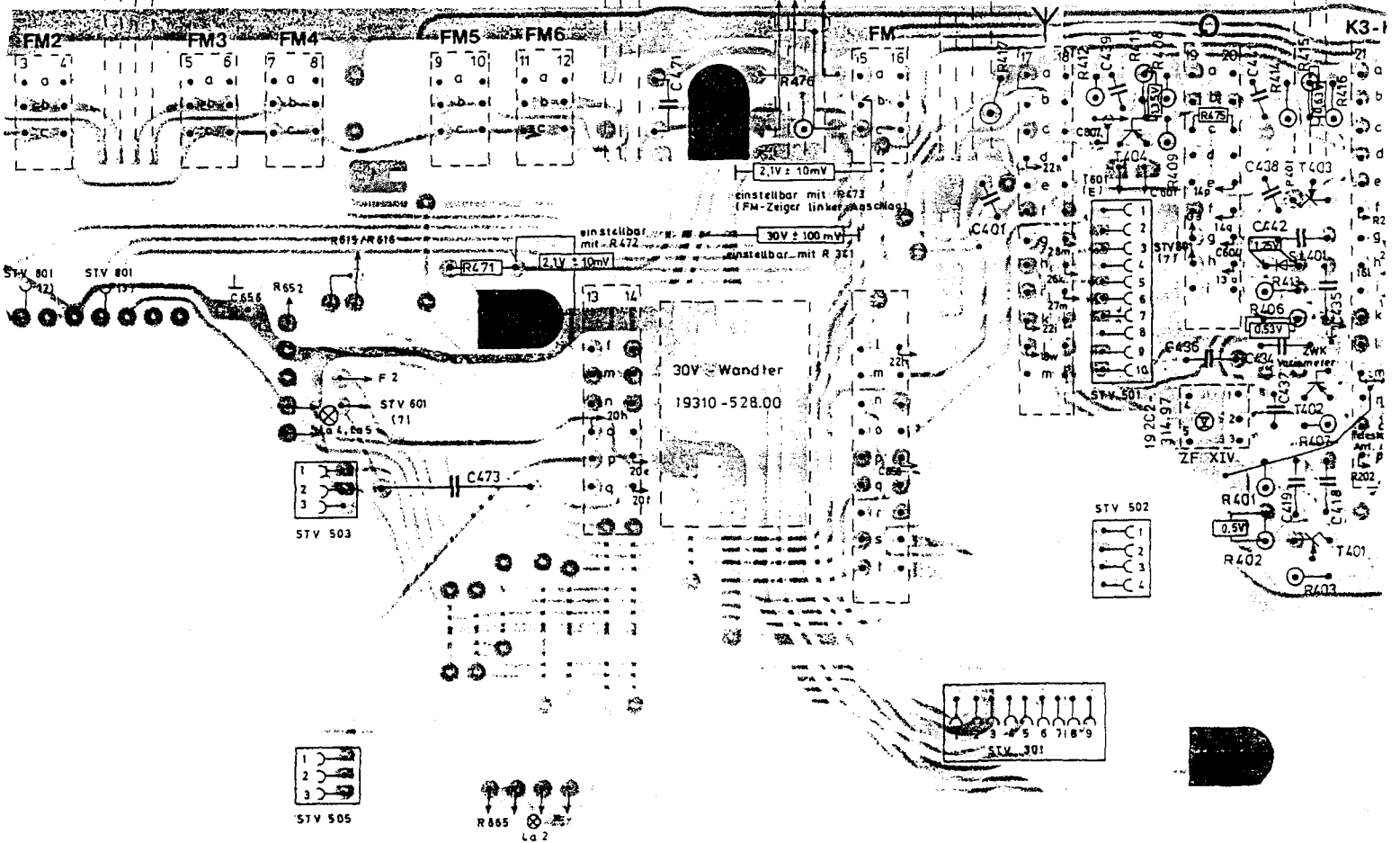
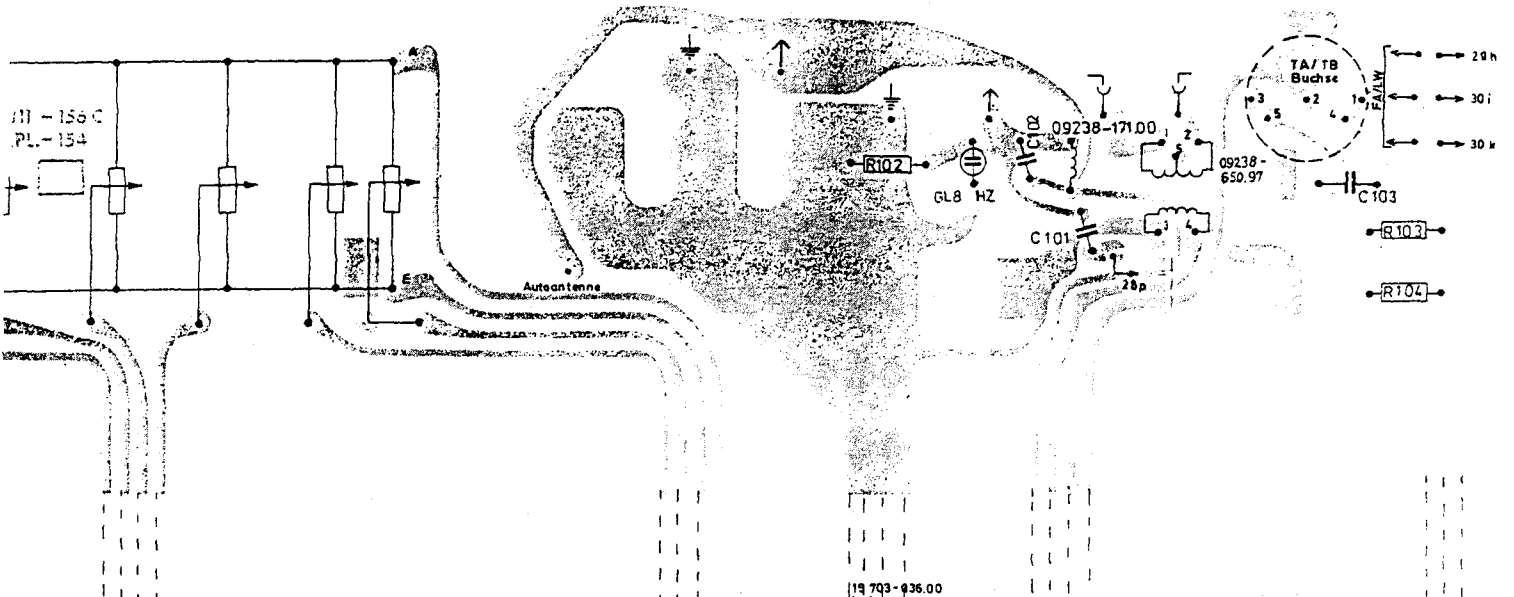
19311-161D KPL-159

19311-174.00
 SSB-Platte, Lötseite
 SSB-BOARD, SOLDER SIDE
 PLAGUE-SSB, COTE SOUDURES
 PIASTRA-SSB, LATO SALDATURE



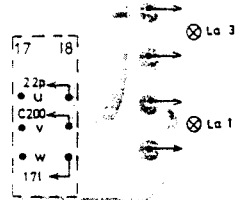
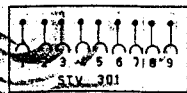
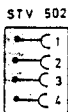
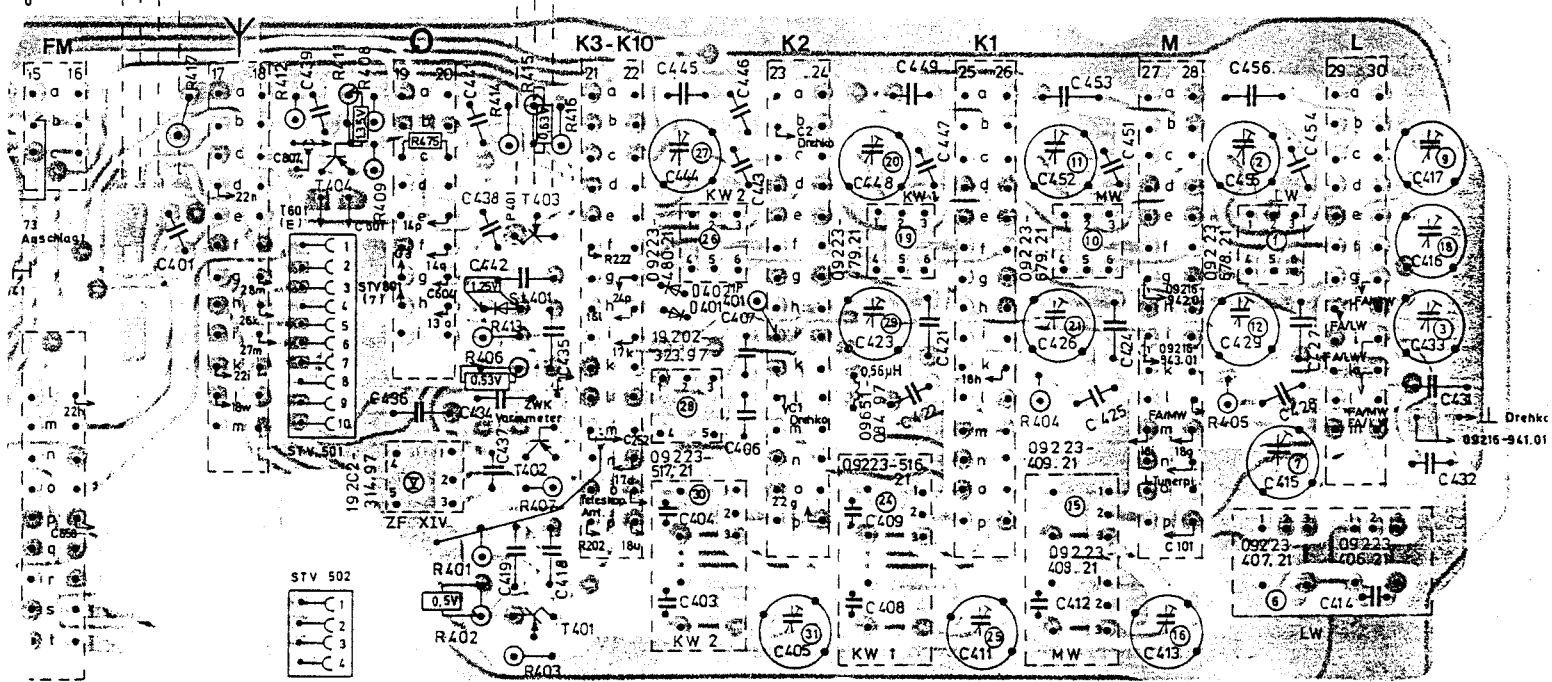
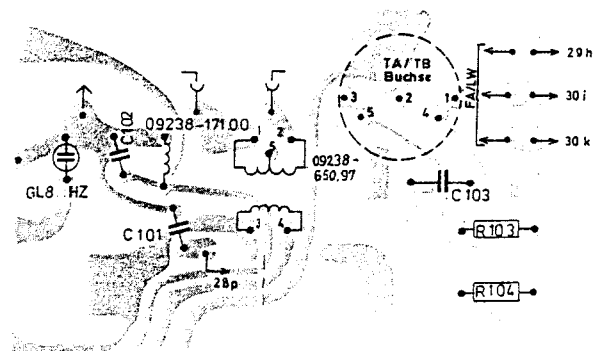
19 415 -010.00
 19311-174D
 KPL-174





19311-153.00
Buchsenplatte, Lötseite
SOCKET BOARD, SOLDER SIDE
PLAQUE DE PRISES, COTE SOUDURES
PIASTRA PRESE, LATO SALDATURE

19415-007.00
Spulensatz, Lötseite
COIL SET, SOLDER SIDE
BLOC BOBINAGE, COTE SOUDURES
COMPLESSO DELLE BOBINE-
GRUPPO-AF, LATO SALDATURE



Bestückungsseite
COMPONENT SIDE
VUE DU COTE DES COMPOSANTS
LATO COMPONENTI

Lötseite
SOLDER SIDE
COTE DES SOUDURES
LATO SALDATURE