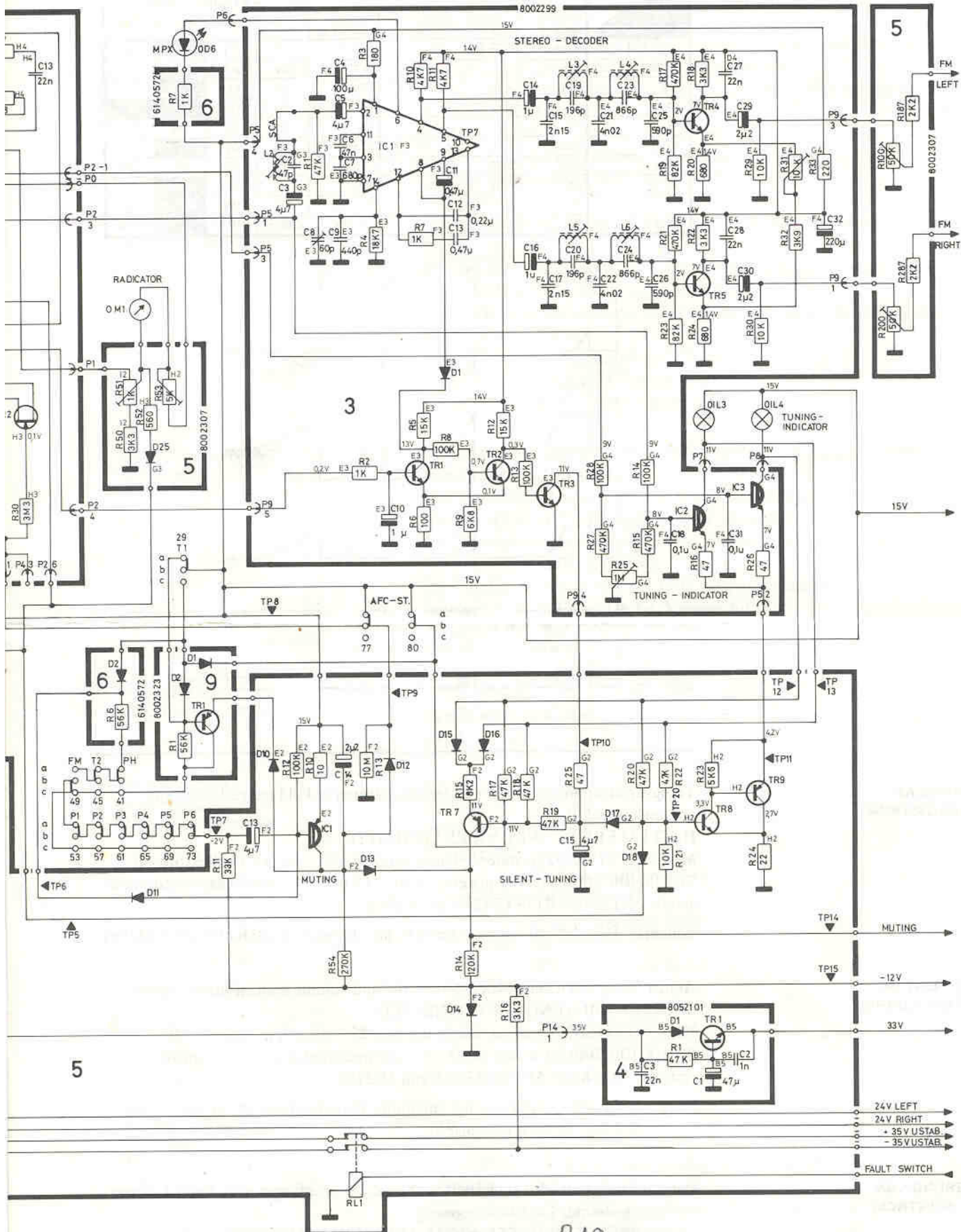


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57



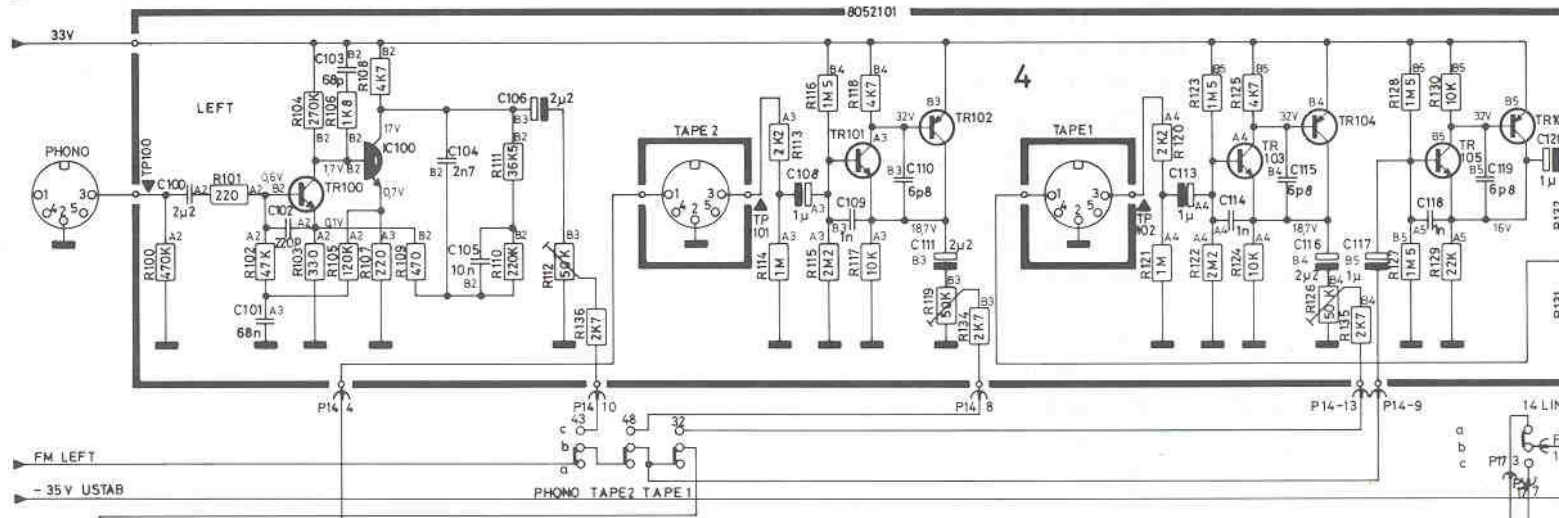
FM	P1	P2	P3	P4	P5	P6	AFC/ST
49 50 51 52	53 54 55 56	57 58 59 60	61 62 63 64	65 66 67 68	69 70 71 72	73 74 75 76	77 78 79 80

R19
afbrudt

101

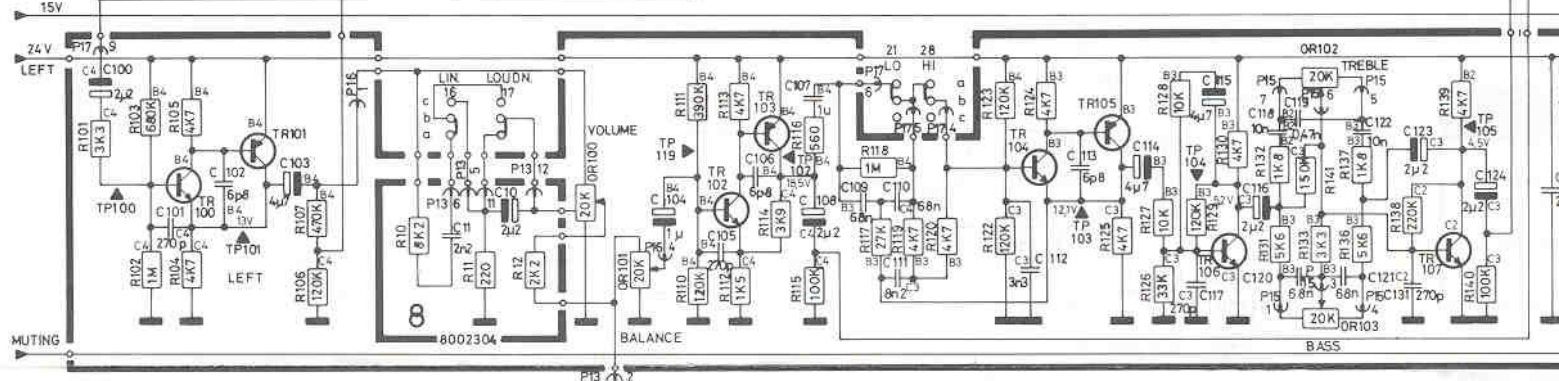
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• 35V USTAB



FM LEFT

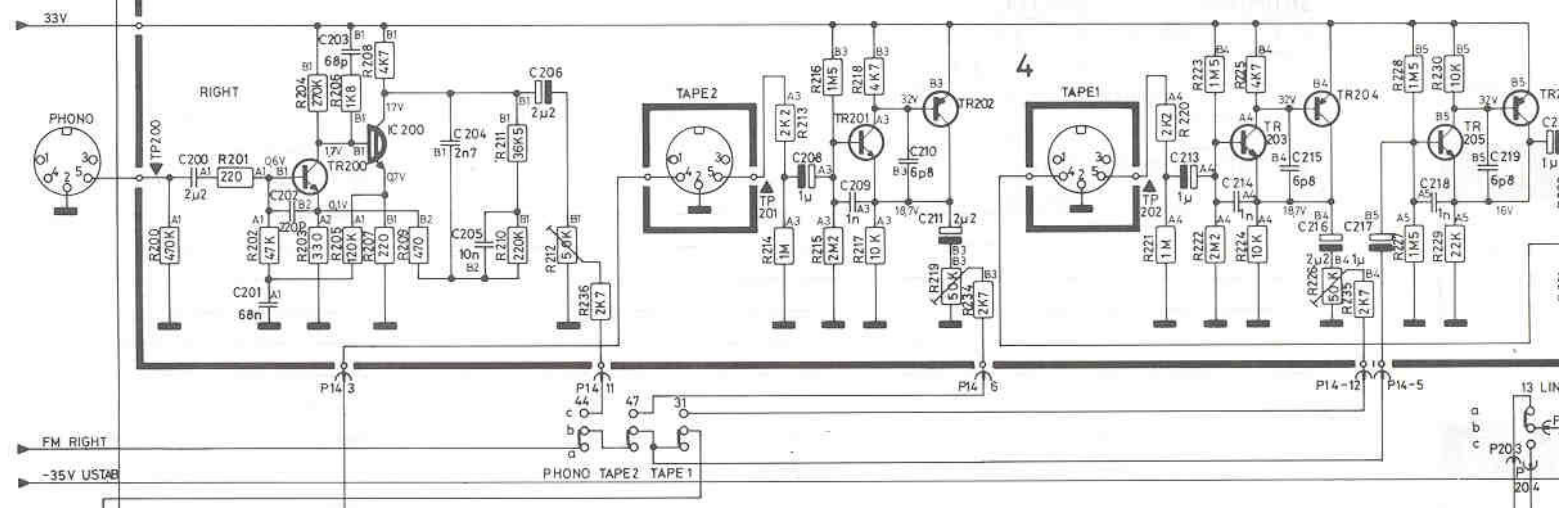
- 35V USTAB



MUTING

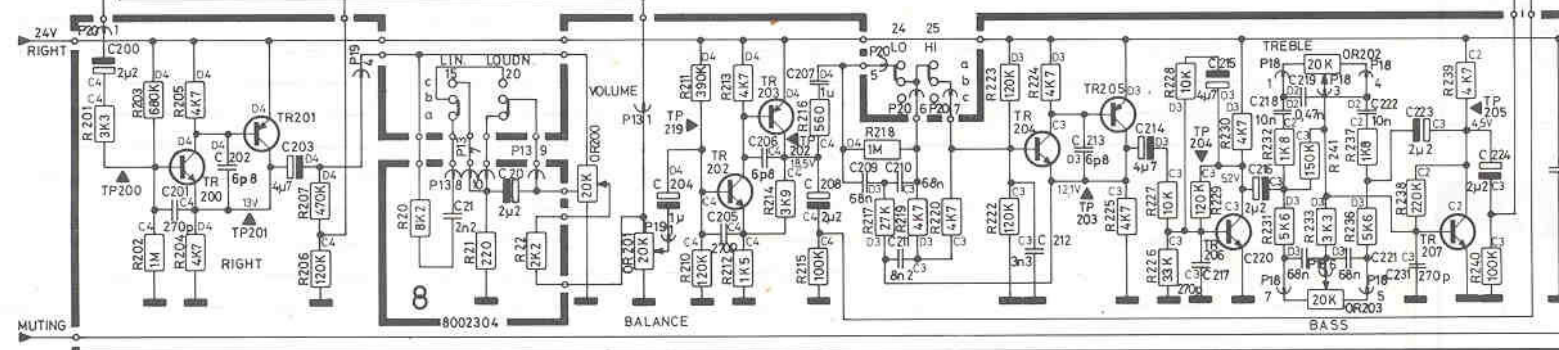
FAULT - SWITCH

• 35V USTAB



FM RIGHT

- 35V USTAB



MUTING

TRANSISTOR AND IC LIST

0TR100/200	8320383	32	ON 595
		32	BO 135
		32	BD 165 S
0IC1	8340064	105	LM 340T-15V
		105	7815 CU
		105	PA 7815 C
0IC100/200	8340042	39	TIP 141
0IC101/201			
0IC102/202	8340041	39	TIP 146
0IC103/203			
1TR1	8320136	21	TIS 88
		21	3 C 2
		4	U 1981 E
		21	2N 5245
		22	3C2P
		21	SPF 2060
1TR2	8320112	23	BF 495
		23	BF 255
1TR3	8320119	21	TIS 88 A
1TR4		21	2N 5245
		4	U 1981 E
		21	SPF 2038
2TR1	8320311	23	BF 240
2TR2	8320289	24	2N 5458
2IC2	8340033		TCA 420 A
2IC2	8340090		TCA 750
3TR1	8320097	18	BC 547 B
3TR2		18	BC 237 B
3TR3		18	BC 171 B
		18	BC 182 B
		17	BC 182 BL
3TR4	8320285	18	BC 183 C
3TR5		17	BC 183 CL
		18	BC 548 C
3IC1	8340103		MC 1310
			MC 1310 N
			CA 1310 E
3IC2	8340043	19	MPSA 13
3IC3			
4TR1	8320092	18	BC 547 B
		18	BC 182 B
		17	BC 182 BL

4TR	*8320344	18	BC 550 B
100/200		18	BC 384 BN
4TR	*8320095	18	BC 549 B
101/201		18	BC 184 BN
4TR102/202	8320069	18	BC 559 B
		18	BC 214 B
		17	BC 214 BL
4TR	*8320095	18	BC 549 B
103/203		18	BC 184 BN
4TR104/204	8320069	18	BC 559 B
		18	BC 214 B
		17	BC 214 BL
4TR	*8320095	18	BC 549 B
105/205		18	BC 184 BN
4TR106/206	8320069	18	BC 559 B
		18	BC 214 B
		17	BC 214 BL
4IC100/200	8340054	19	MPSA 13
		19	TPSA 13
5TR1	8320242	18	BC 556 B
5TR2	8320148	10	BC 142
5TR3	8320092	18	BC 547 B
5TR4		18	BC 182 B
		17	BC 182 BL
5TR7	8320152	18	BC 212 B
		17	BC 212 BL
		18	BC 557 B
		18	BC 251 B
		18	BC 307 B
5TR8	8320108	18	BC 172 B
		18	BC 238 B
		18	BC 548 B
		17	BC 183 BL

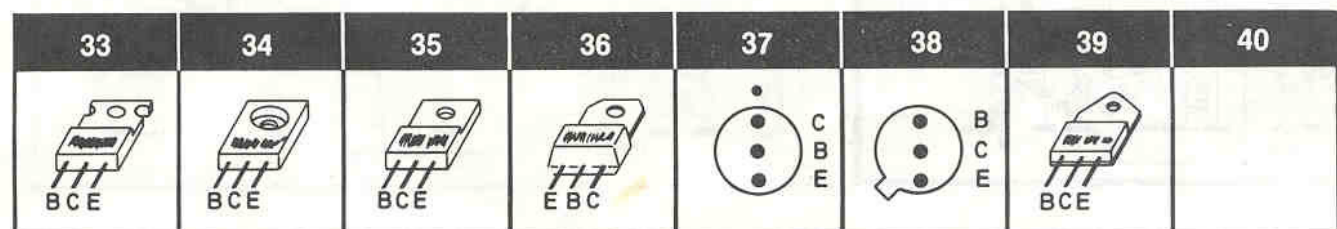
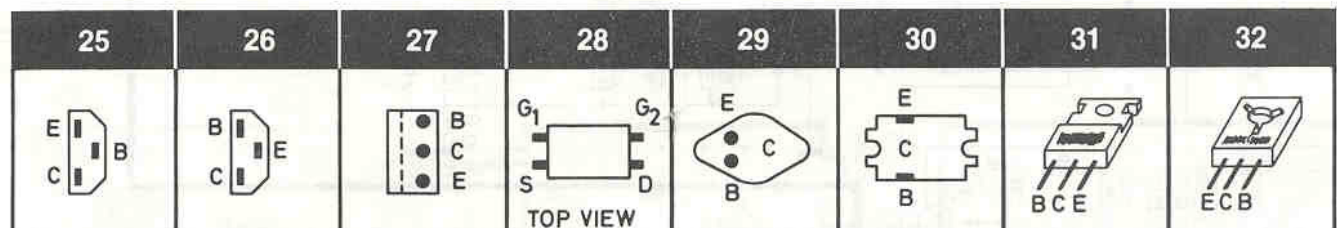
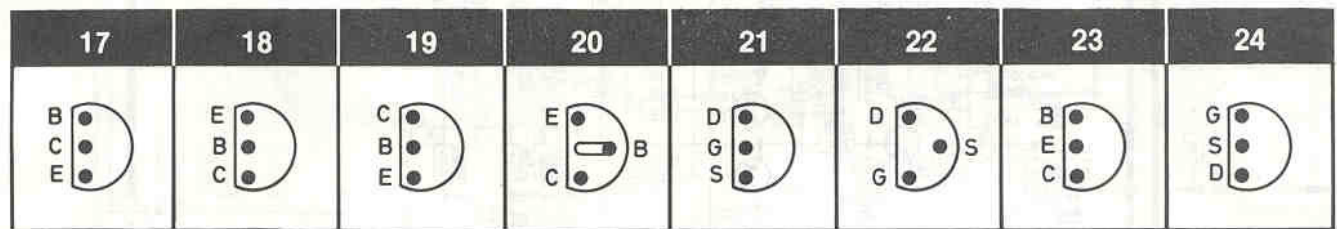
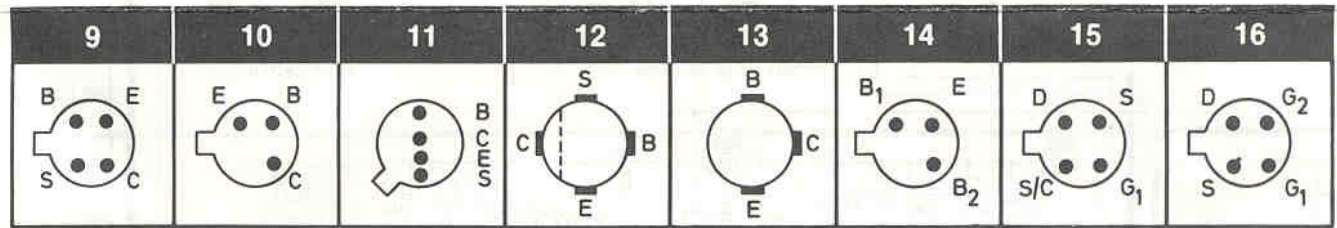
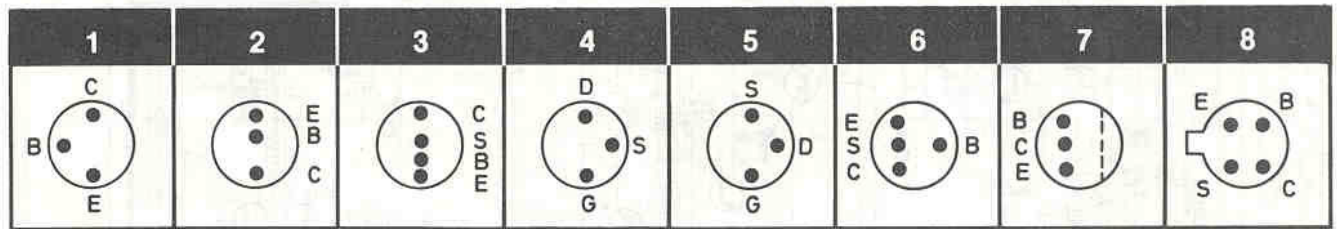
5TR9	8320316	18	BC 327 - 25
5TR11	8320152	18	BC 212 B
		17	BC 212 BL
		18	BC 557 B
		18	BC 251 B
		18	BC 307 B
5TR12	8320097	18	BC 547 B
		18	BC 237 B
		18	BC 171 B
		18	BC 182 B
		17	BC 182 BL
5TR13	8320104	18	BC 558 B
		18	BC 308 B
		18	BC 213 B
		17	BC 213 BL
		18	BC 252 B
5TR15	8320108	18	BC 172 B
5TR16		18	BC 238 B
		18	BC 548 B
		18	BC 183 B
		17	BC 183 BL
5TR	*8320095	18	BC 549 B
100/200		18	BC 184 BN
5TR101/201	8320069	18	BC 559 B
		18	BC 214 B
		17	BC 214 BL
5TR	*8320095	18	BC 549 B
102/202		18	BC 184 BN
5TR103/203	8320069	18	BC 559 B
		18	BC 214 B
		17	BC 214 BL
5TR	*8320095	18	BC 549 B
104/204		18	BC 184 BN
5TR105/205	8320069	18	BC 559 B
		18	BC 214 B
		17	BC 214 BL

5TR				
106/206	*8320344	18	BC 550 B	
5TR107/207		18	BC 384 BN	
5TR108/208	8320289	24	2N 5458	
5TR	*8320095	18	BC 549 B	
109/209		18	BC 184 BN	
5TR110/210	8320069	18	BC 559 B	
		18	BC 214 B	
		17	BC 214 BL	
5TR	*8320382	18	BC 547 C	
112/212		18	BC 182 B	
5TR113/213		17	BC 182 BL	
		18	BC 237 C	

5TR114/214	8320097	18	BC 547 B	
		18	BC 237 B	
		18	BC 171 B	
		18	BC 182 B	
		17	BC 182 BL	
5TR115/215	8320365	19	MPSH 54	
5TR116/216	8320108	18	BC 172 B	
		18	BC 238 B	
		18	BC 548 B	
		18	BC 183 B	
		17	BC 183 BL	

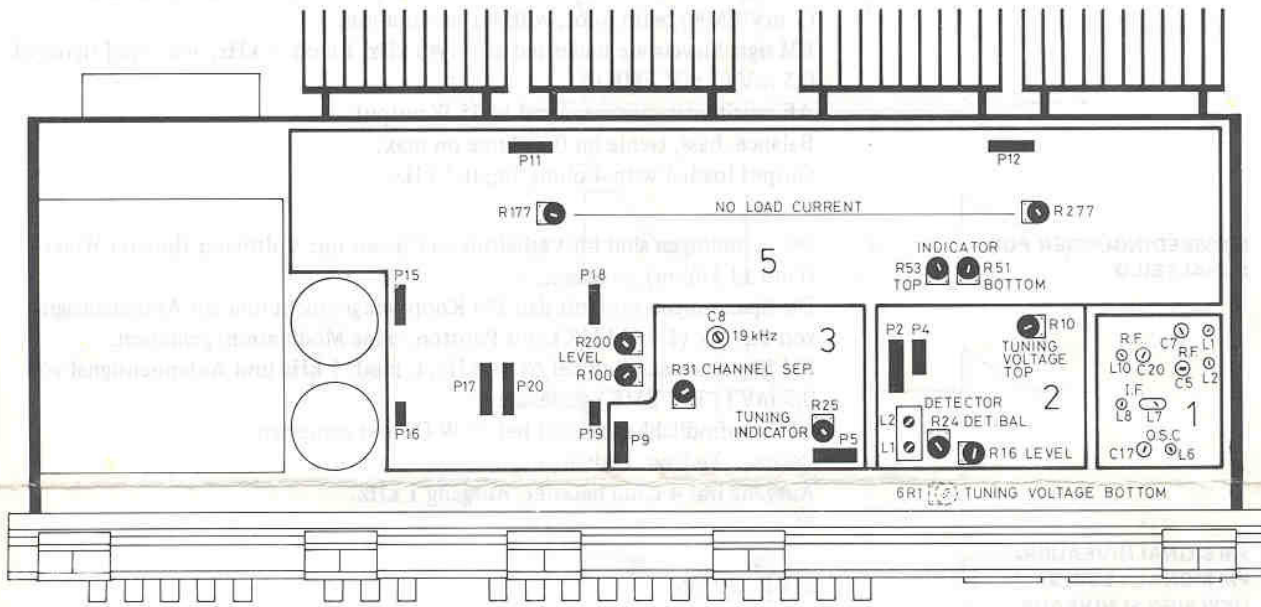
5TR117/217	8320104	18	BC 558 B	
		18	BC 308 B	
		18	BC 213 B	
		17	BC 213 BL	
		18	BC 252 B	
5TR119/219	8320321	19	MPSA 06	
5TR120/220				
5IC1	8340025	18	BC 516	
5IC2		19	MPSA 65	
5IC3		19	SPS 5431	
9TR1	8320152	18	BC 212 B	
		17	BC 212 BL	
		18	BC 557 B	
		18	BC 251 B	
		18	BC 307 B	

* Specially selected specimen



DIODE LIST

0D5	8310023	B80C5000/3000
0D6	8300195	TIL 209 A
		LED - 5075 B
1D1-1D2	8300041	BB 103 green
1D3-1D4	8300050	BB 103 blue
2D1-2D3	8300058	1N 4148
		SFD 184
2D4	8300283	6,4 V 5 %
2D5	8300058	1N 4148
		SFD 184
3D1	8300058	1N 4148
		SFD 184
4D1	8300058	1N 4148
		SFD 184
5D3-5D4	8300155	B40C800
		B80C800
5D5-5D6	8300058	1N 4148
		SFD 184
5D7	8300033	ZPD 22 V - 5 %
		BZX 79 - 22 V
5D10-5D13	8300058	1N 4148
		SFD 184
5D14	8300029	ZPD 12 V - 5 %
		BZX 79 - 12 V
5D15-5D25	8300058	1N 4148
		SFD 184
5D100/200	8300212	1N 4448
5D101/201		1N 916 B
5D102/202	8300222	ZPD 2,7 V - 5 %
		BZX 83 - 2,7 V
5D103/203	8300029	ZPD 12 V - 5 %
		BZX 79 - 12 V
5D104/204	8300058	1N 4148
5D105/205		SFD 184
6D1	8300128	ZPD 5,6 V - 5 %
		BZX 79 - 5,6 V
6D2	8300058	1N 4148
		SFD 184
9D1-9D2	8300058	1N 4148
		SFD 184



MÅLEBETINGELSER FOR DIAGRAM

DC spændinger er målt i forhold til stel med voltmeter (indre modstand 11 Mohm).

Spændingerne er målt med FM knappen nedtrykket og et antennesignal på 0,5 mV (1 mV EMK), med pilot, uden modulation.

FM signalniveauer er målt ved Δf 40 kHz, f mod. 1 kHz og antennesignal på 0,5 mV (1 mV EMK).

LF følsomheder er målt ved 75 W output.

Balance, bas, diskant på 0, volume på max.

Udgang belastet med 4 ohm, input 1 kHz.

MEASURING CONDITIONS FOR DIAGRAM

DC voltages are measured in relation to chassis with voltmeter (inner resistance 11 Mohms).

Voltages are measured with FM button depressed and an aerial signal of 0,5 mV (1 mV EMK), with pilot, without modulation.

FM signal levels are measured at Δf 40 kHz, f mod. 1 kHz, and aerial signal of 0,5 mV (1 mV EMK).

AF sensitivities are measured at 75 W output.

Balance, bass, treble on 0, volume on max.

Output loaded with 4 ohms, input 1 kHz.

MESSBEDINGUNGEN FÜR SCHALTBILD

DC spannungen sind im Verhältnis zu Chassis mit Voltmeter (innerer Widerstand 11 Mohm) gemessen.

Die Spannungen sind mit den FM Knopf eingedrückt und ein Antennensignal von 0,5 mV (1 mV EMK), mit Pilotton, ohne Modulation, gemessen.

FM Signalniveaus sind bei Δf 40 kHz, f. mod. 1 kHz und Antennensignal von 0,5 mV (1 mV EMK) gemessen.

NF Empfindlichkeiten sind bei 75 W Output gemessen.

Balance, Tiefton, Diskant auf 0, Volume auf max.

Ausgang mit 4 Ohm belastet, Ausgang 1 kHz.

FM SIGNALNIVEAUER/ FM SIGNAL LEVELS/ UKW SIGNALNIVEAUS

2TP1 20 mV

2TP2 500 mV

2TP3 50 mV

FØLSOMHEDER/ SENSITIVITIES/ EMPFINDLICHKEITEN

4TP100/200 2,2 mV

4TP101/201 200 mV

4TP102/202 200 mV

5TP100/200 166 mV

152 mV position linear

5TP119/219 149 mV

136 mV position linear

5TP102/202 538 mV

492 mV position linear

5TP103/203 538 mV

5TP104/204 492 mV

5TP105/205 492 mV

5TP120/220 492 mV

5TP107/207 443 mV

TESTPUNKTER/ TESTPOINTS/ TESTPUNKTE

3TP7 19 kHz

5TP109/209 2,0 V DC measured in rel. to -35 V

5TP110/210 -2,0 V DC measured in rel. to 5TP113/213

5TP111/211 0 V \pm 50 mV

5TP112/212 -2,0 V DC measured in rel. to 5TP113/213

5TP113/213 -0,7 V DC measured in rel. to 5TP114/214

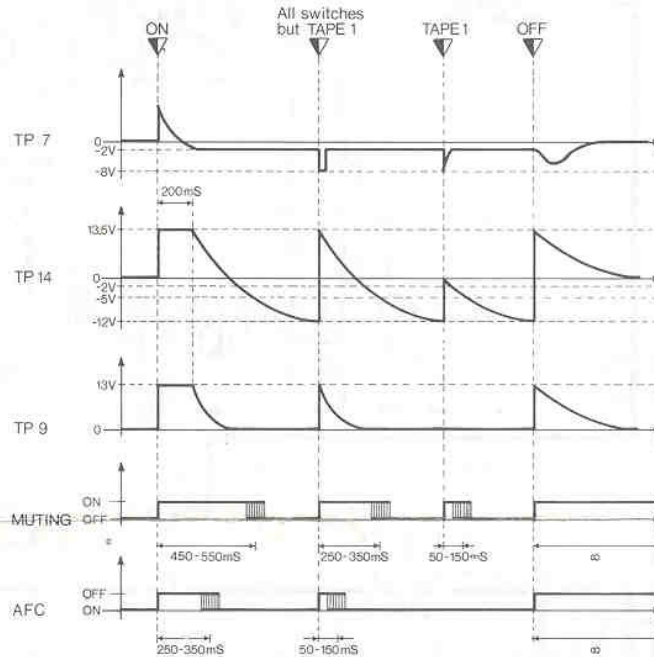
5TP115/215 0,65 V DC measured in rel. to -35 V

5TP117/217 10 - 15 mV DC measured across both emitter resistors 5R178 and 5R179 (5R278 and 5R279).

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TESTPUNKTER/PC 5
 TEST POINTS/PC 5
 TESTPUNKTE PC 5

Conditions	FM or P1 - P6 ON, TAPE1 OFF						TAPE 1	FM & P1-P6
	$V_{ant.} > 10\mu V$				$V_{ant.} < 2.5\mu V$			
	AFC-ST. ON		AFC-ST. OFF		AFC-ST.	AFC-ST.		
	Indicator balance	Indicator max.off bal.	Indicator balance	Indicator max.off bal.	ON	OFF		
INDICATOR	Balance	OFF Bal.	Balance	OFF Bal.	OFF	OFF	ON	OFF
MUTING	OFF	ON	OFF	OFF	ON	OFF	OFF	ON
TP6	4.6V	4.6V	4.6V	4.6V	4.6V	4.6V		0V
TP9	0V	0V	15V	15V	0V	15V		
TP10	11V	11V	15V	15V	0V	0V	15V	15V
TP20	2.75V	2.75V	2.75V	2.75V	0V	0V		0V
TP14	-12V	> 0V	-12V	-12V	> 0V	-12V	-12V	-12V
TP11	4.5V	4.5V	4.5V	4.5V	8V	8V		8V
TP12	11V	9V/13V	11V	9V/13V	15V	15V		15V
TP13	11V	13V/9V	11V	13V/9V	15V	15V		15V



JUSTERING AF TOMGANGSSTRØM

Tomgangsstrømmen justeres medens modtageren er kold og med neddrejet volumekontrol.

HØJTTALERE MÅ IKKE VÆRE TILSLUTTET.

Med 5R177 (5R277) justeres indenfor området 25 – 40 mA i kollektoren af 01C100 (01C200), eller der justeres til 10 – 15 mV målt over begge emittermodstande 5R178 og 5R179 (5R278 og 5R279).

Bemærk: Hvis der ved fejl har været DC på udgangen, skal 5R138/238 udskiftes.

ADJUSTMENT OF NO-SIGNAL-CURRENT

Adjust no-signal-current with receiver cold and volume control turned down.

SPEAKERS MUST NOT BE CONNECTED.

With 5R177 (5R277) adjust within the area 25 – 40 mA in collector of 01C100 (01C200), or adjust to 10 – 15 mV measured across both emitter resistors 5R178 and 5R179 (5R278 and 5R279).

Note: If, in case of failure in the apparatus, there has been DC on the output, 5C138/238 must be replaced.

JUSTIERUNG VON LEERLAUFSTROM

Der Leerlaufstrom wird eingestellt, während der Empfänger noch kalt ist, sowie bei herabgedrehter Lautstärkeregelung.

LAUTSPRECHER DÜRFEN NICHT ANGESCHLOSSEN SEIN.

Mit 5R177 (5R277) wird innerhalb 25 – 40 mA im Kollektor von 01C100 (01C200), justiert, oder auf 10 – 15 mV über beiden Emitterwiderständen 5R178 und 5R179 (5R278 und 5R279) eingeregelt.

Bemerkungen: Wenn es bei Fehler im Gerät Gleichstrom auf dem Ausgang gegeben hat, muß 5C138/238 ausgewechselt werden.