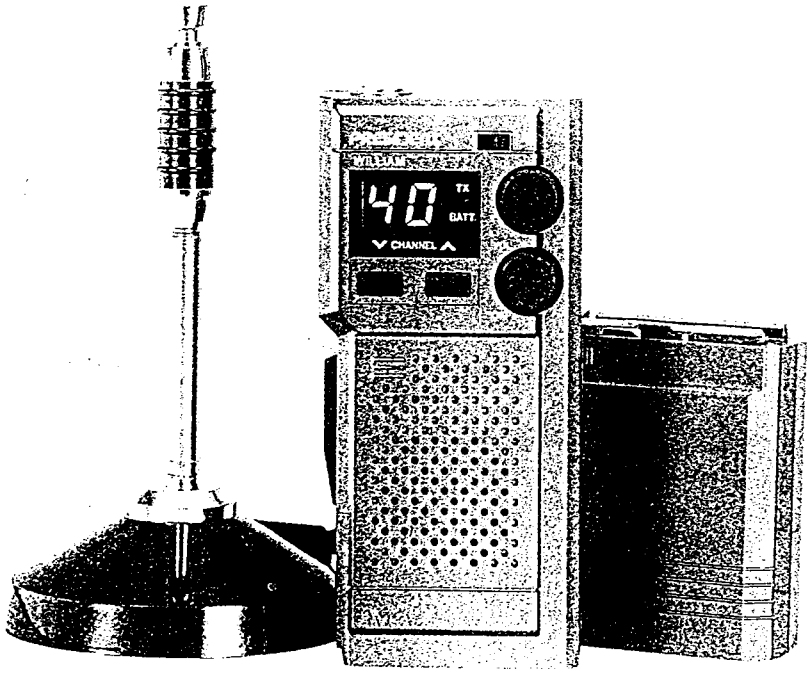
Service Manual

CB TRANSCEIVER

Model WILLIAM

UT-323ZT



uniden

CORPORATION

ALIGNMENT PROCEDURE

ALIGNMENT OF P.L.L. (VCO)

1. Test Equipment Required

Oscilloscope

DC Voltmeter

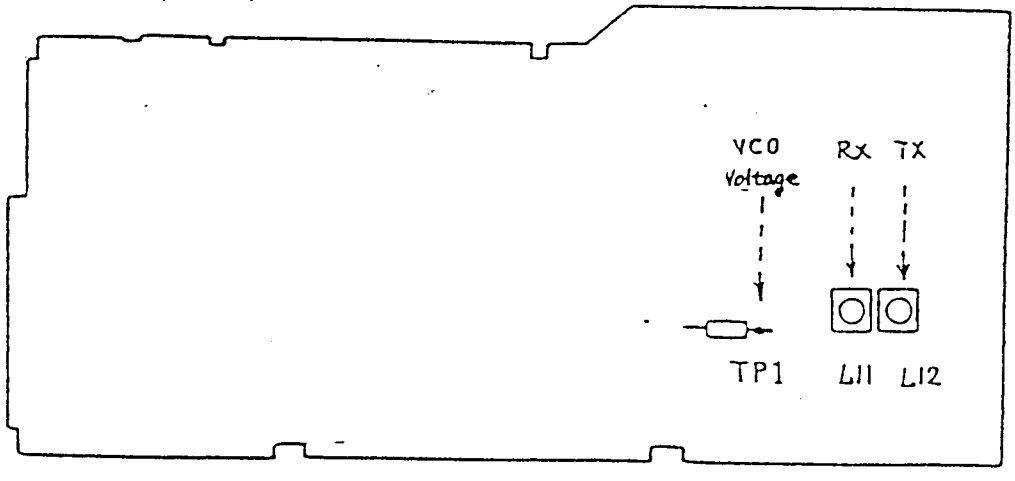
DC Power Supply (13.8 V)

2. Alignment Procedure

Step	Preset to	Adjustment	Remarks
1	TX Mode CH : 40 No Mod.	L12	Connect the DC Voltmeter to TP1. Adjust L12 for 1.5 V ± 0.1 V reading on the DC Voltmeter.
2	RX Mode CH : 40 No Mod.	L11	Ditto

3. Alignment Point

PA-295 (Top View)



ALIGNMENT OF RECEIVER SECTION

1. Test Equipment Required

RF Signal Generator (27 MHz Band, 1000 Hz, 30% Modulation & Output Impedance 50 Ω)
AF VTVM
DC Power Supply (13.8 V)
RF Power Meter
Dummy Load (8 Ω, 5 watts, resistive)
Oscilloscope

2. Preparation for Alignment

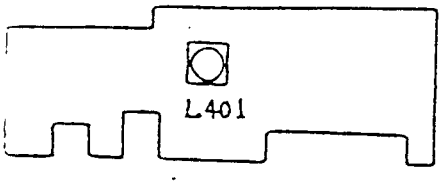
S.S.G. Frequency : 27.185 MHz Attenuator : 0dB = 0.5uV
Output impedance : 8 ohm Standard output : 50 mW (0.63 V)
Signal : 1kHz 30 % Mod. (AM)
: 1kHz ± 1.5 kHz Dev. (FM)
Squelch MIN :Counterclockwise
VR 1and VR2 :Fully clockwise

3. Alignment Procedure

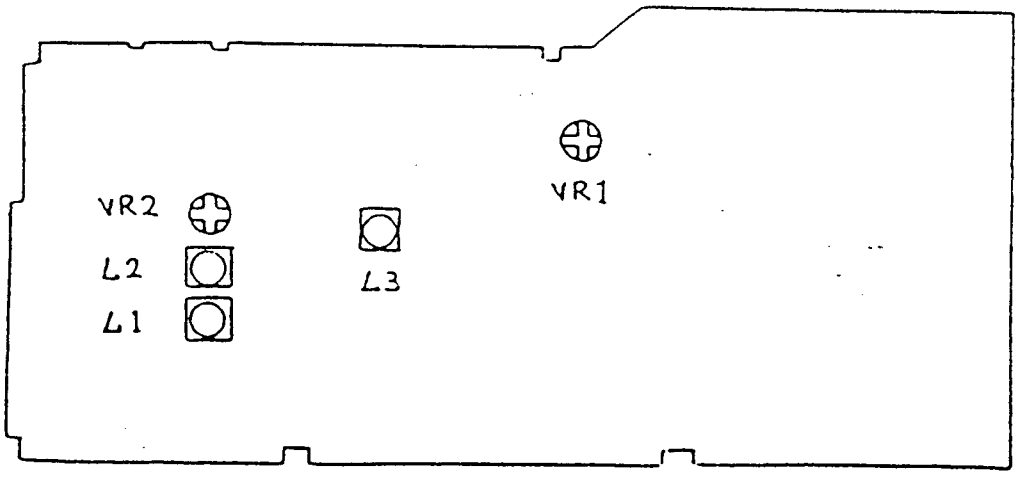
Step	Preset to	Adjustment	Remarks
1	Volume. : Max. CH : 19 AM	L1,2 and 3	Connect the S.S.G. to antenna jack (J 4) and AF VTVM to both pin 1 and 3 of IC 551. Adjust coils for maximum reading on the AF VTVM.
2	Ditto	VR 2'	Set the S.S.G. attenuator to -6 dB and adjust the output 5 mW. (If the adjust range is under the desired power, set VR2 to the minimum. If the one is over the desired power, set it to the maximum.)
3	Squelch : Max. Volume. : Max. CH : 19 AM	VR1	Set the S.S.G. to 10000 uV output level. Adjust VR 1 so that squelch just breaks. (S.S.G. : 1 kHz 30 % Mod.)
4	FM CH : 19	L401	Connect the DC voltmeter to both pin 7 of IC 401 and GND. Set the S.S.G. to 100uV output level. Adjust L401 for 4.0 ± 0.2V reading on the DC voltmeter.

4. Alignment Point

PA-297 (Top View)



PA-295 (Top View)



ALIGNMENT OF TRANSMITTER PORTION

1. Test Equipment Required

AF VTVM

Dummy Load (50Ω)

Oscilloscope (0~50 MHz)

RF Power Meter

DC Power Supply (13.8V)

AF Oscillator : 1 kHz

2. Preparation for Alignment

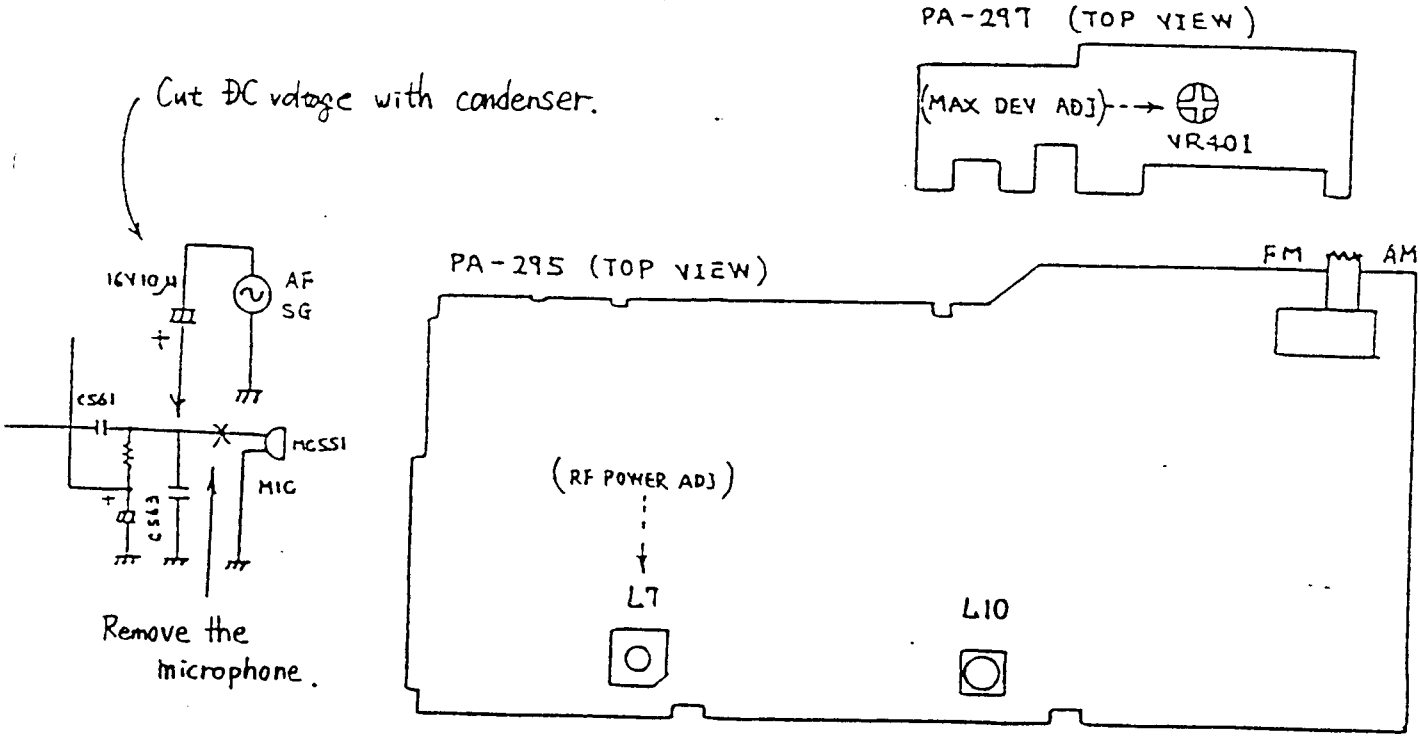
Power Hi/Low——Hi

AM/FM————AM

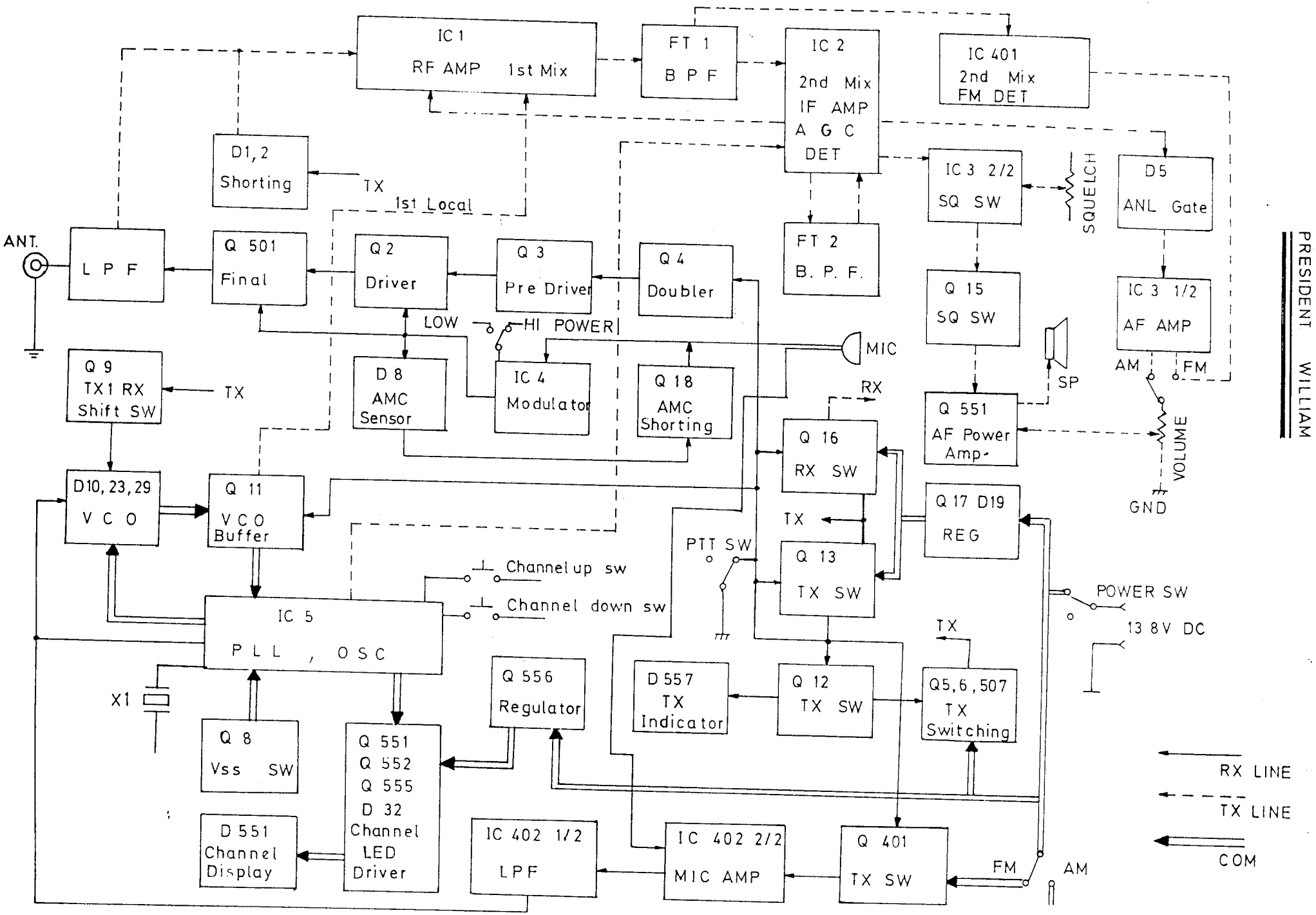
3. Alignment Procedure

Step	Preset to	Adjustment	Remarks
1	TX Mode CH : 19 1 kHz 80% Mod.	L10	Connect RF Power Meter to ANT. Jack (J4). Adjust L10 for maximum reading on the RF Power Meter.
2	TX Mode CH : 19 No Mod.	L7	Adjust L7 for 3.8W$_{NOMINAL}$ (3.5W$_{LIMIT}$) reading on the RF Power Meter.
3	Mod 30mV input CH : 9 FM	VR401	Connect the deviation meter to antenna jack. Adjust VR 401 for ±3 kHz dev. reading on the deviation meter.

4. Alignment Points



RAV.

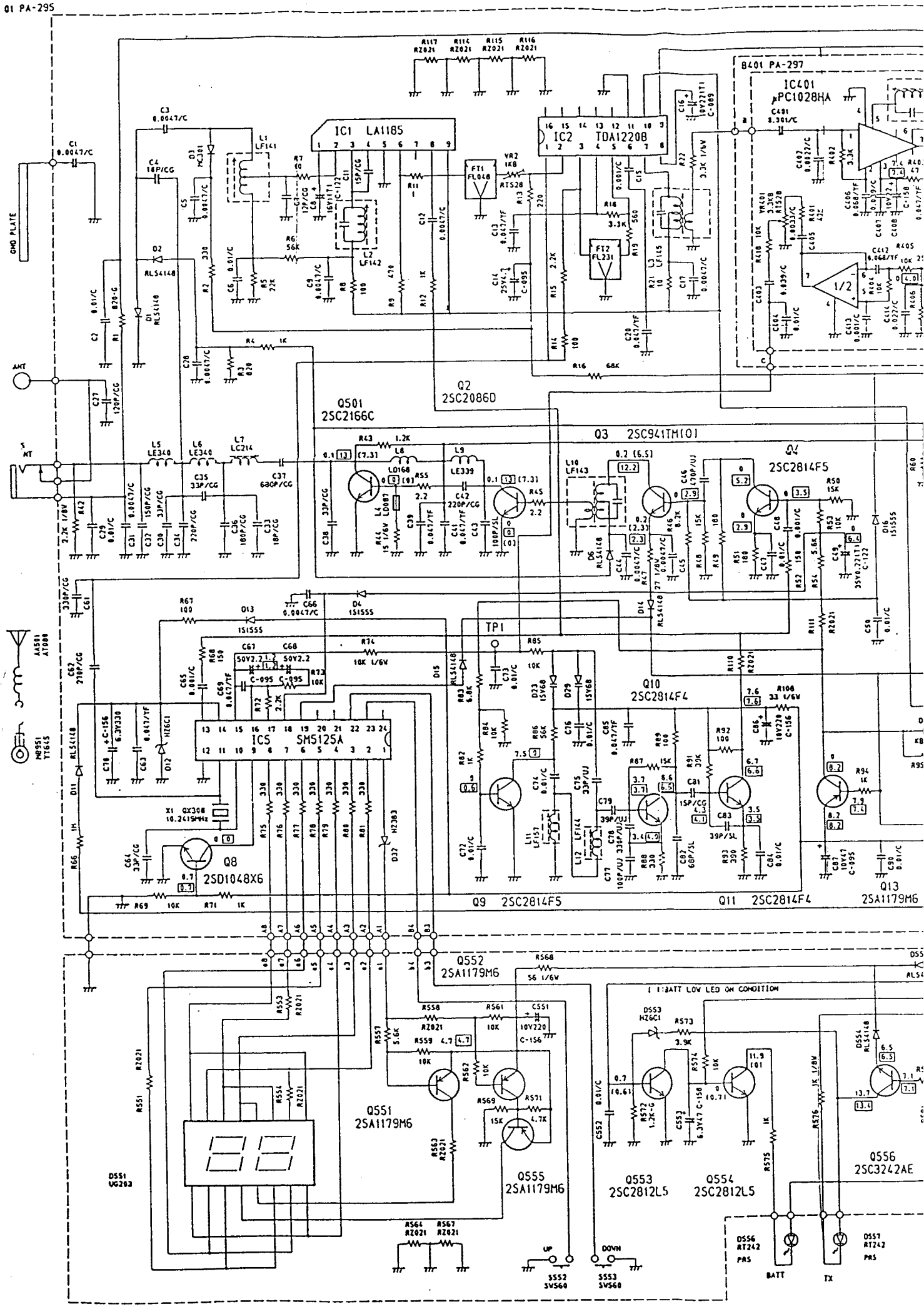


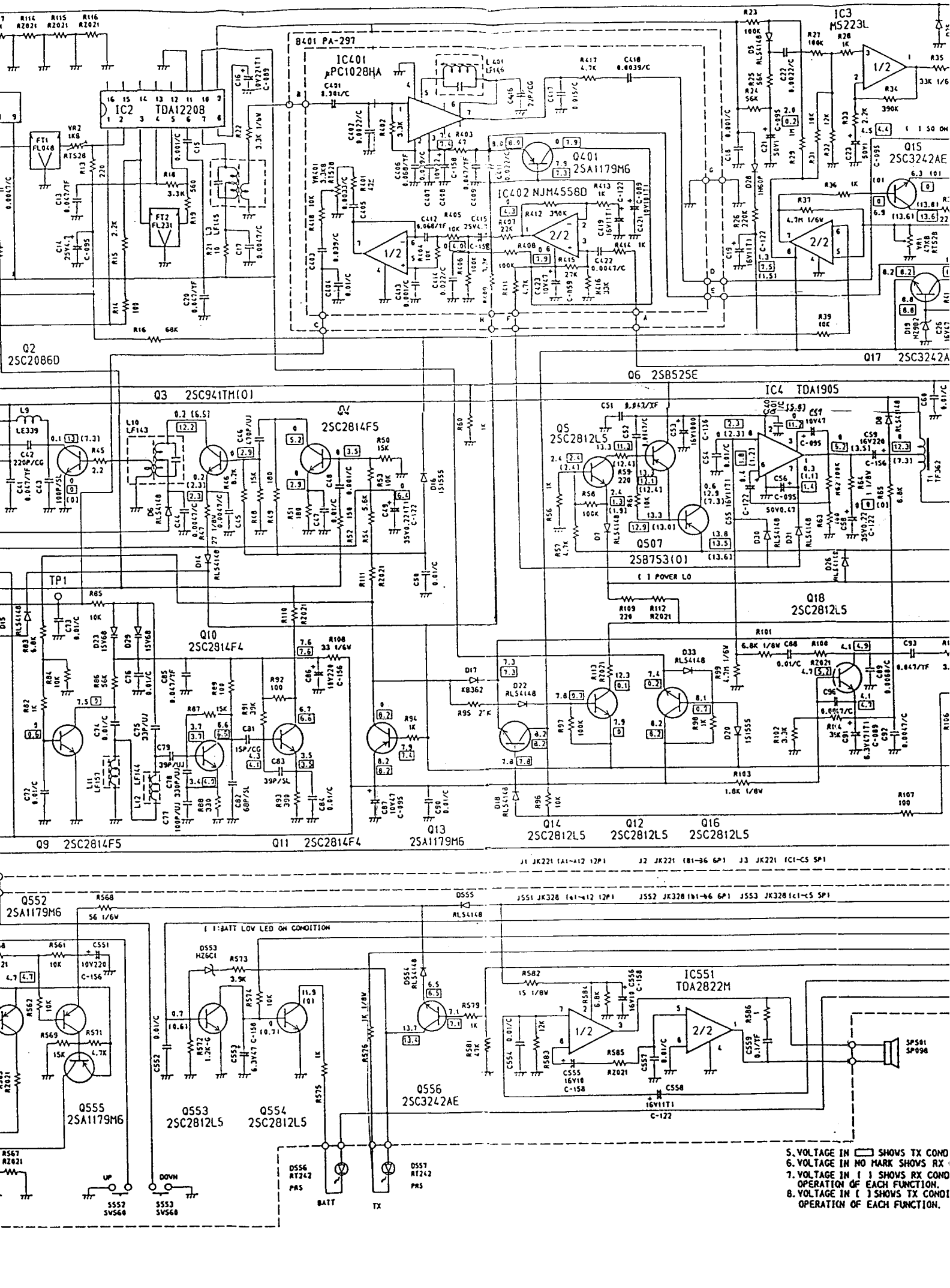
PRESIDENT WILLIAM

1A

1B

01 PA-295

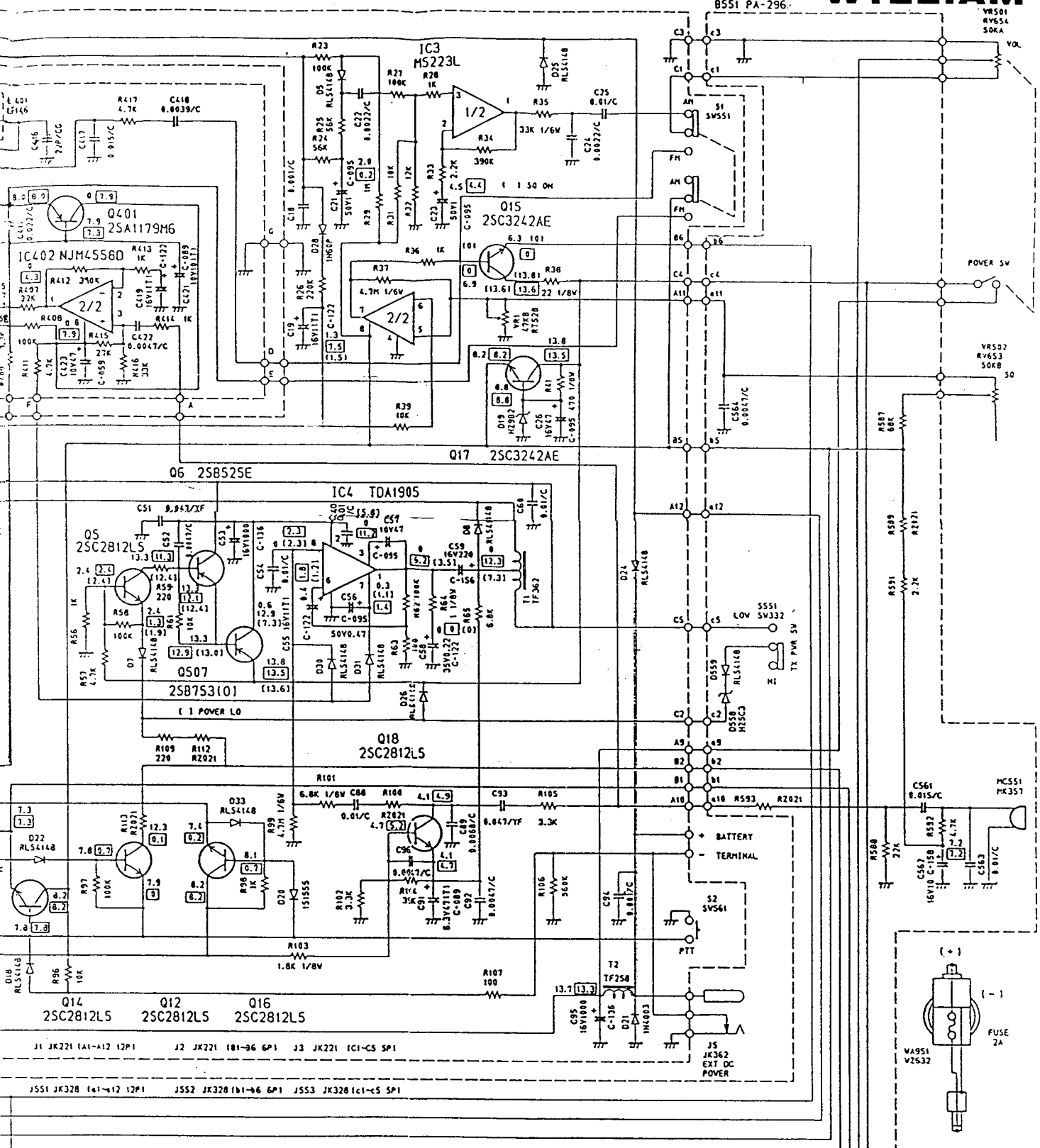



IC2 TDA12208
IC401 μPC1028HA
IC402 NJM4558D
IC3 M5223L
IC4 TDA1905
IC551 TDA2822M
Q401 2SA1179M6
Q15 2SC3242AE
Q17 2SC3242A
Q2 2SC2086D
Q6 2SB525E
Q3 2SC941TM(O)
Q1 2SC2814F5
Q5 2SC2812L5
Q507 2SB753(O)
Q18 2SC2812L5
Q10 2SC2814F4
Q9 2SC2814F5
Q11 2SC2814F4
Q13 2SA1179M6
Q14 2SC2812L5
Q12 2SC2812L5
Q16 2SC2812L5
Q552 2SA1179M6
Q555 2SA1179M6
Q553 2SC2812L5
Q554 2SC2812L5
Q556 2SC3242AE
TP1
UP
DOWN
BATT
TX
5. VOLTAGE IN ▭ SHOWS TX CONDI
6. VOLTAGE IN NO MARK SHOWS RX
7. VOLTAGE IN ( ) SHOWS RX CONDI
OPERATION OF EACH FUNCTION.
8. VOLTAGE IN ( ) SHOWS TX CONDI
OPERATION OF EACH FUNCTION.

1C 1D

WILLIAM

B551 PA-296



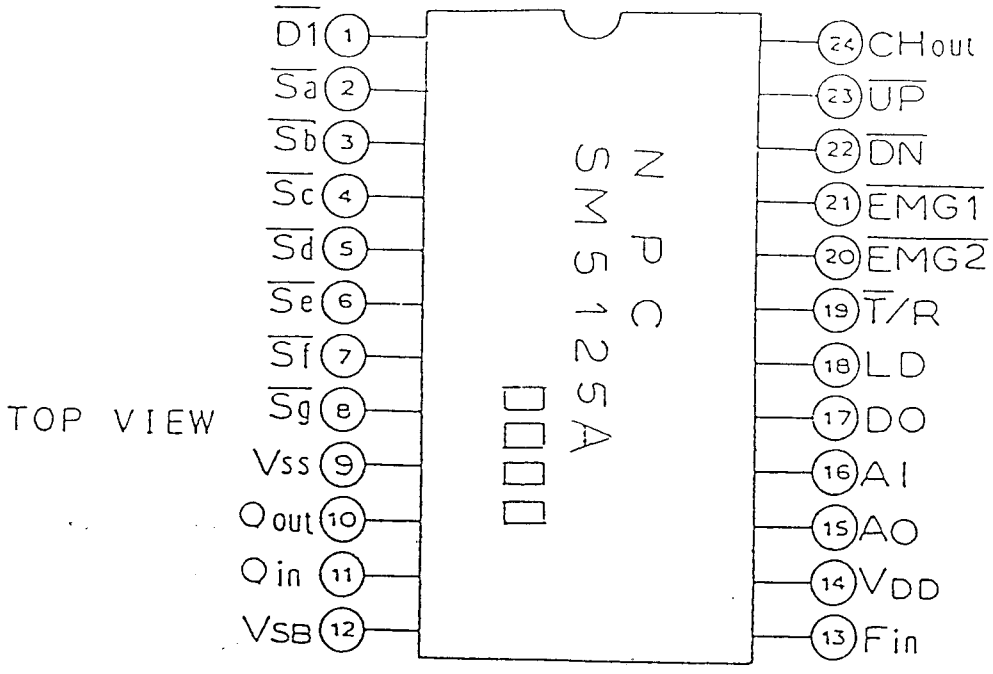
NOTES:
1. RESISTANCE VALUES ARE SHOWN IN OHMS UNLESS OTHERWISE NOTED. (K=KILO OHM, M=MEG OHM)
2. RESISTOR WATTAGES ARE 1/10W UNLESS OTHERWISE NOTED.
3. CAPACITANCE VALUES ARE INDICATED IN MICRO FARADS UNLESS OTHERWISE NOTED. (P=MICRO-MICRO FARAD)
4. CHIP PARTS ARE NOT SPECIFIED IN THIS SCHEMATIC DIAGRAM.
PLEASE REFER TO THE PARTS LIST FOR THE CHIP PARTS.

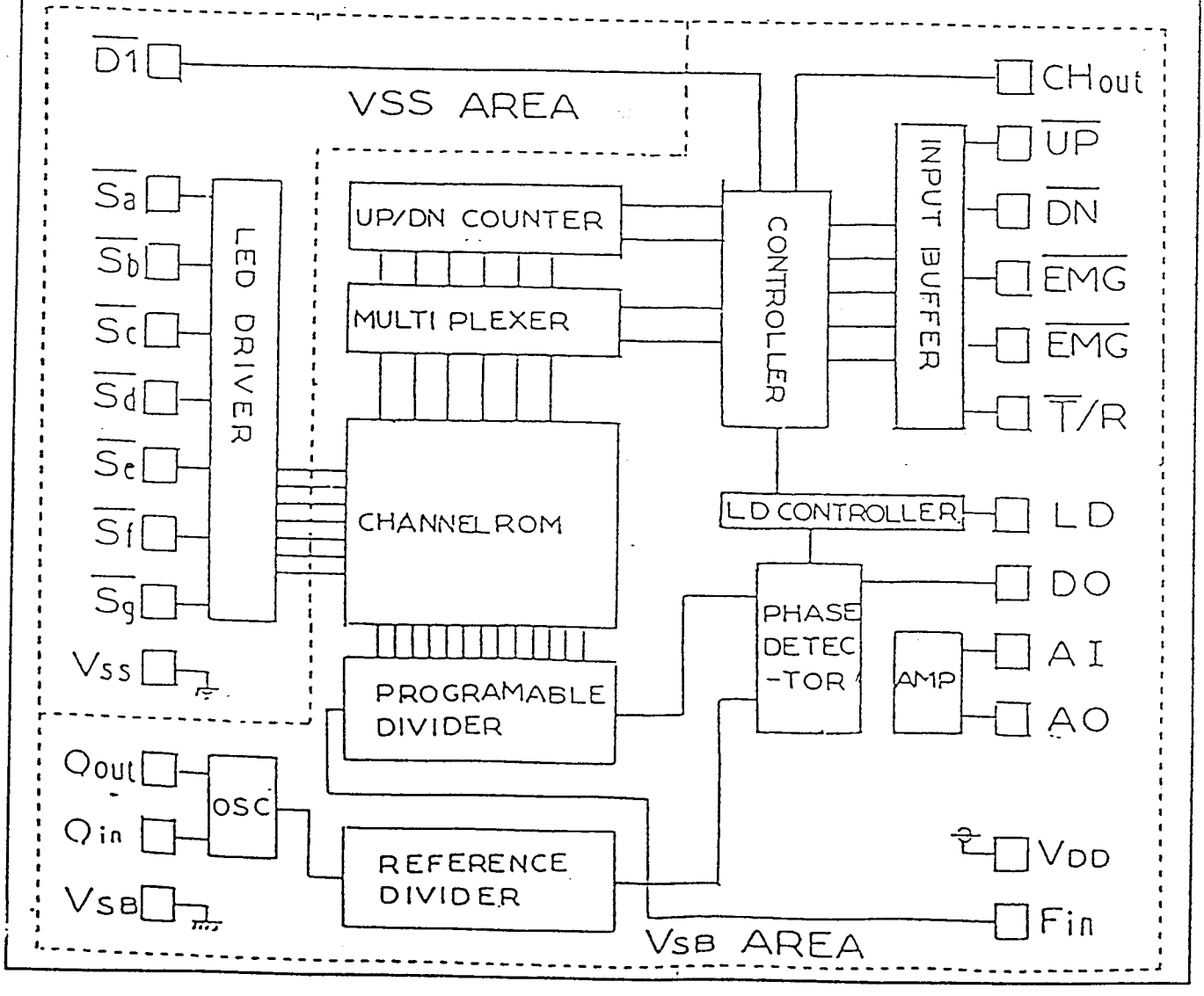
5. VOLTAGE IN ▭ SHOWS TX CONDITION.
6. VOLTAGE IN NO MARK SHOWS RX CONDITION.
7. VOLTAGE IN ( ) SHOWS RX CONDITION UNDER OPERATION OF EACH FUNCTION.
8. VOLTAGE IN [ ] SHOWS TX CONDITION UNDER OPERATION OF EACH FUNCTION.

DESIGN.BY	DRAWN.BY	UNIDEN NO.	MODEL NO.
			WILLIAM
		TITLE	SCHEMATIC DIAGRAM (1/2)
		DRAWING NO.	REV. MARK

UNIDEN CORP.

PIN CONFIGURATION AND BLOCK DIAGRAM





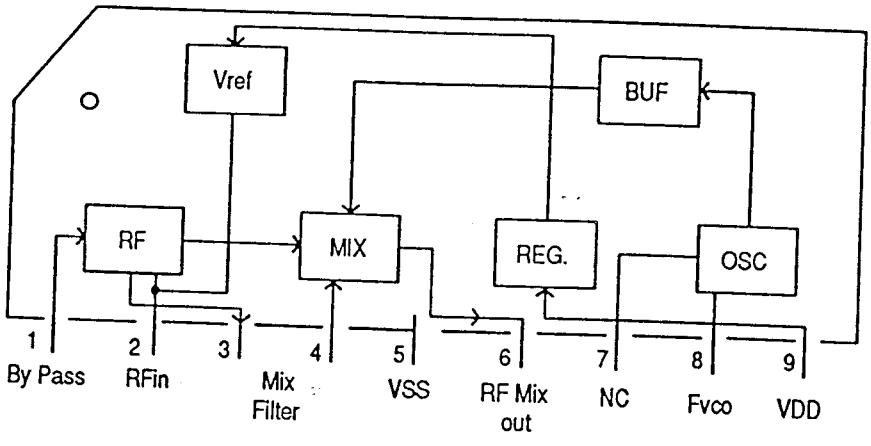
FREQUENCY TABLE

FVCO=0.010001839×N

T/R	"H" (=OPEN)		"L"	
CH	N(R)	VCO	N(T)	VCO
1	1627	16.273	2696	26.965
2	1628	16.283	2697	26.975
3	1629	16.293	2698	26.985
4	1631	16.313	2700	27.005
5	1632	16.323	2701	27.015
6	1633	16.333	2702	27.025
7	1634	16.343	2703	27.035
8	1636	16.363	2705	27.055
9	1637	16.373	2706	27.065
10	1638	16.383	2707	27.075
11	1639	16.393	2708	27.085
12	1641	16.413	2710	27.105
13	1642	16.423	2711	27.115
14	1643	16.433	2712	27.125
15	1644	16.443	2713	27.135
16	1646	16.463	2715	27.155
17	1647	16.473	2716	27.165
18	1648	16.483	2717	27.175
19	1649	16.493	2718	27.185
20	1651	16.513	2720	27.205
21	1652	16.523	2721	27.215
22	1653	16.533	2722	27.225
23	1656	16.563	2725	27.255
24	1654	16.543	2723	27.235
25	1655	16.553	2724	27.245
26	1657	16.573	2726	27.265
27	1658	16.583	2727	27.275
28	1659	16.593	2728	27.285
29	1660	16.603	2729	27.295
30	1661	16.613	2730	27.305
31	1662	16.623	2731	27.315
32	1663	16.633	2732	27.325
33	1664	16.643	2733	27.335
34	1665	16.653	2734	27.345
35	1666	16.663	2735	27.355
36	1667	16.673	2736	27.365
37	1668	16.683	2737	27.375
38	1669	16.693	2738	27.385
39	1670	16.703	2739	27.395
40	1671	16.713	2740	27.405

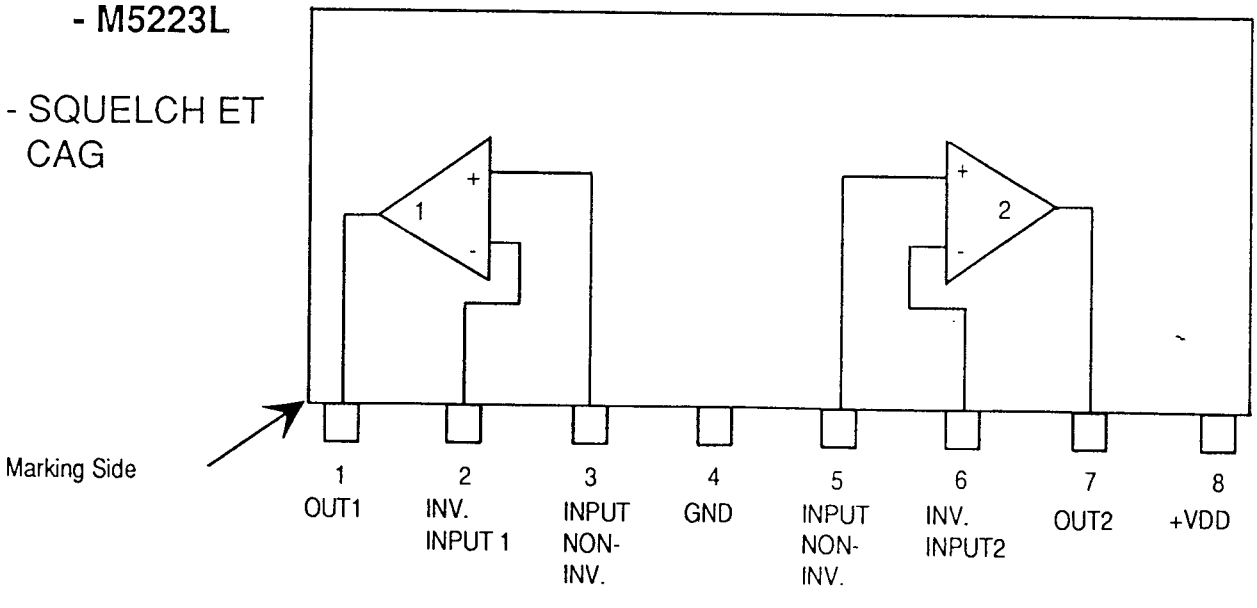
- LA-1185

- 1 MELANGEUR
- AMPLIFICATEUR RF



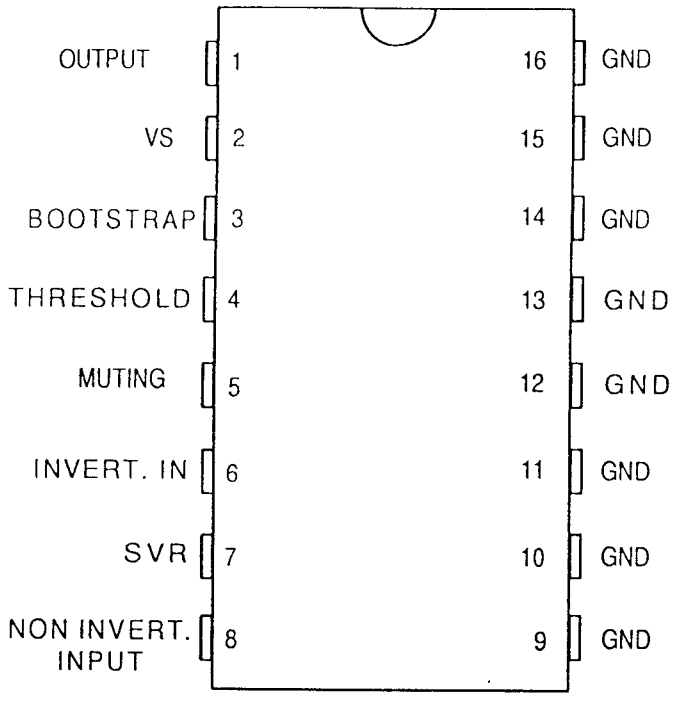
- M5223L

- SQUELCH ET CAG



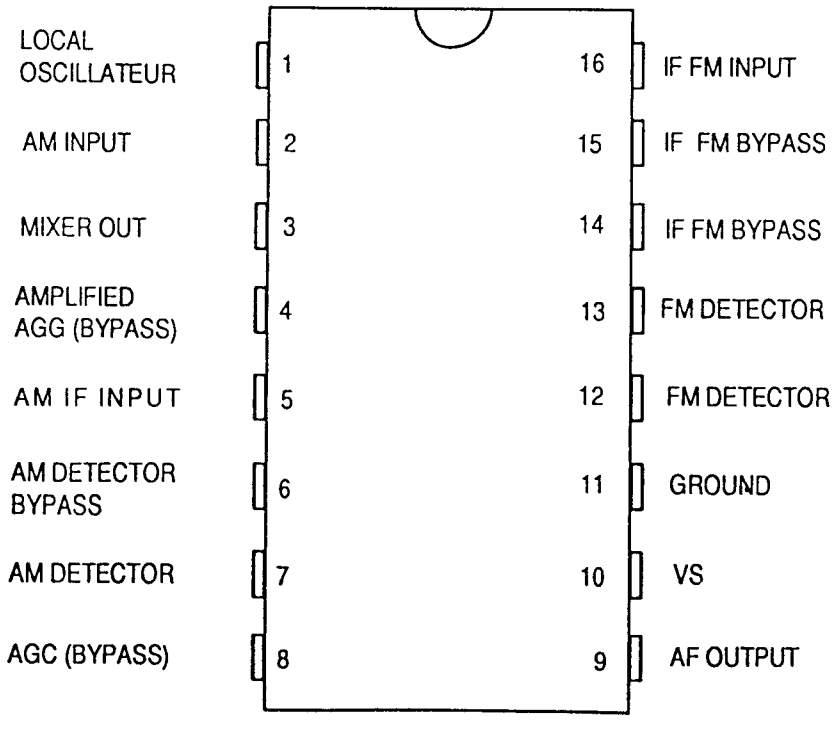
· TDA1905

- AMPLIFICATEUR BF



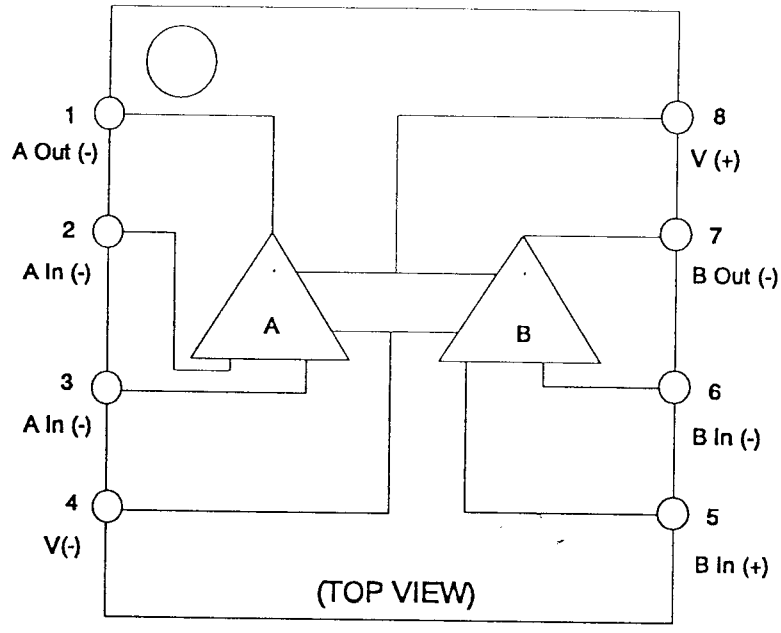
. - TDA1220B

- 2ème MELANGEUR
- 2ème AMPLI FI
- DETECTION
- CAG



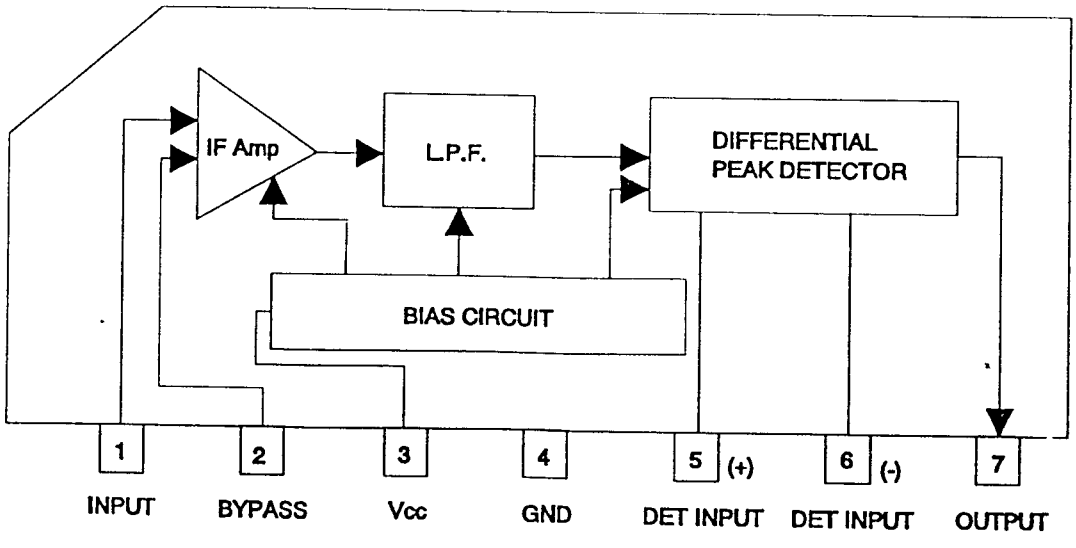
NJM 4558 D

- AMPLI MODULATION

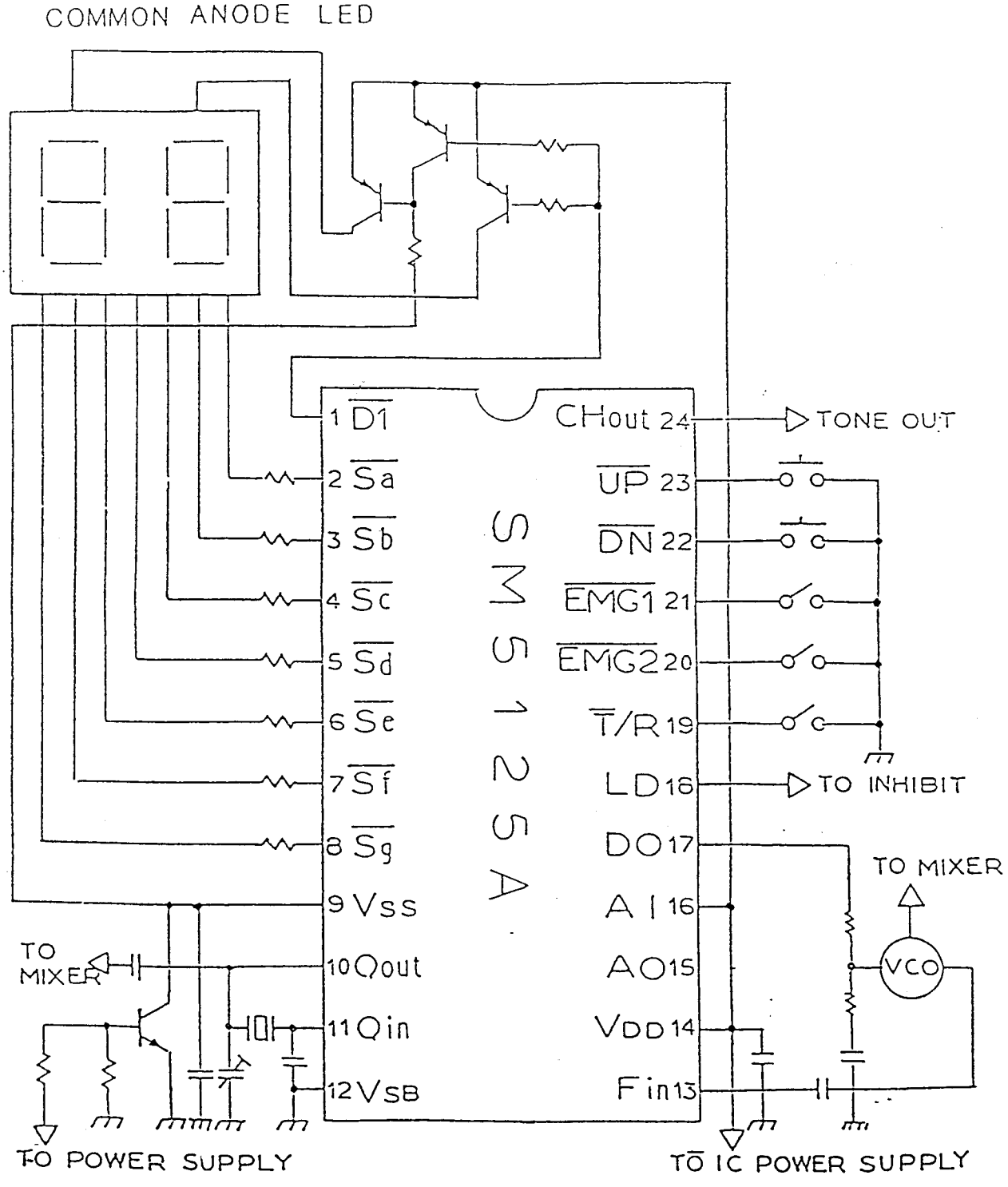


UPC 1028 H

- DISCRIMINATEUR FM



APPLICATION CIRCUITS

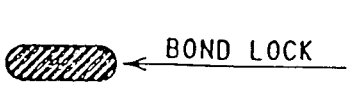


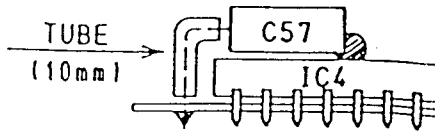
2A

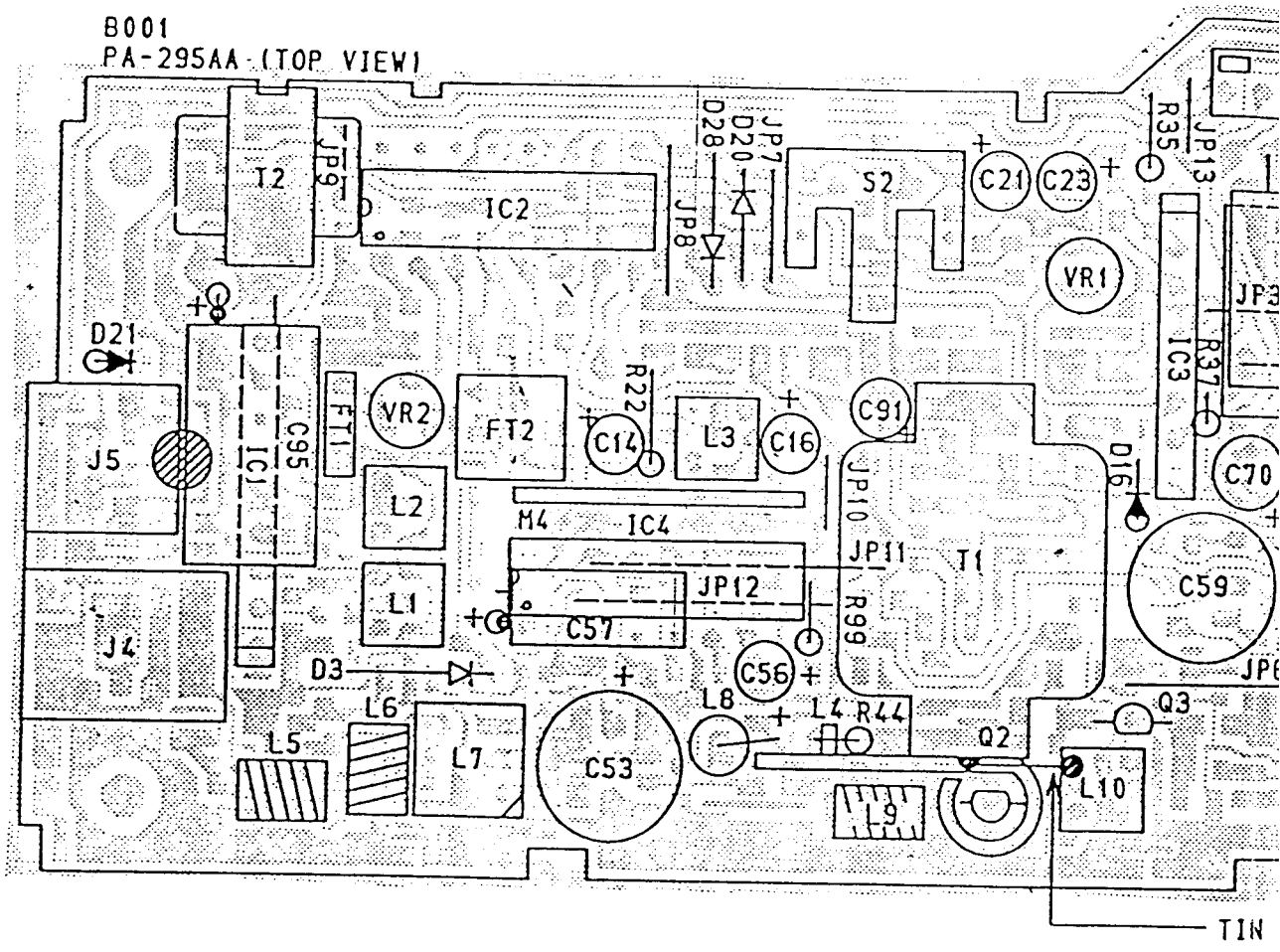
PLATINE PRINCIPALE

2B

vue de dessus







C14	4.7μ 25V C095
C16	22μ 10V C089 (T)
C21	1μ 50V C095
C23	1μ 50V C095
C26	47μ 16V C095
C53	1000μ 16V C136
C56	0.47μ 50V C095
C57	47μ 10V C095
C59	220μ 16V C156
C67	2.2μ 50V C095
C68	2.2μ 50V C095
C70	330μ 6.3V C156
C86	220μ 10V C156
C87	47μ 10V C095
C91	47μ 6.3V C089 (T)
C95	1000μ 16V C136

R22	3.3K FORMED VERT
R35	33K FORMED VERT
R37	4.7M FORMED VERT
R44	15 AXIAL LEAD
R74	10K AXIAL LEAD
R99	4.7M FORMED VERT
R108	33 AXIAL LEAD

M4	HEAT SINK M4-18834

YI1	YD058

JP1	15.0mm
JP2	10.0mm
JP3	5.0mm
JP4	7.5mm
JP5	25.0mm
JP6	15.0mm
JP7	7.5mm
JP8	10.0mm
JP9	5.0mm
JP10	5.0mm
JP11	17.5mm
JP12	17.5mm
JP13	5.0mm

J1	JK221 12P
J2	JK221 6P
J3	JK221 5P
J4	JK375
J5	JK362

D3	MC301
D4	1S1555
D12	HZ6C1
D13	1S1555
D16	1S1555
D17	KB362
D19	HZ9B2
D20	1S1555
D21	1N4003
D23	1SV68
D28	1N60P
D29	1SV68
D32	HZ3B3

FT1	FL048
FT2	FL231

L1	
L2	
L3	
L4	
L5	
L6	
L7	
L8	
L9	
L10	
L11	
L12	

IC1	
IC2	
IC3	
IC4	
IC5	

2B

BOND LOCK

Y11

Q2

2C

TUBE (10mm)

C57

IC4

PCB

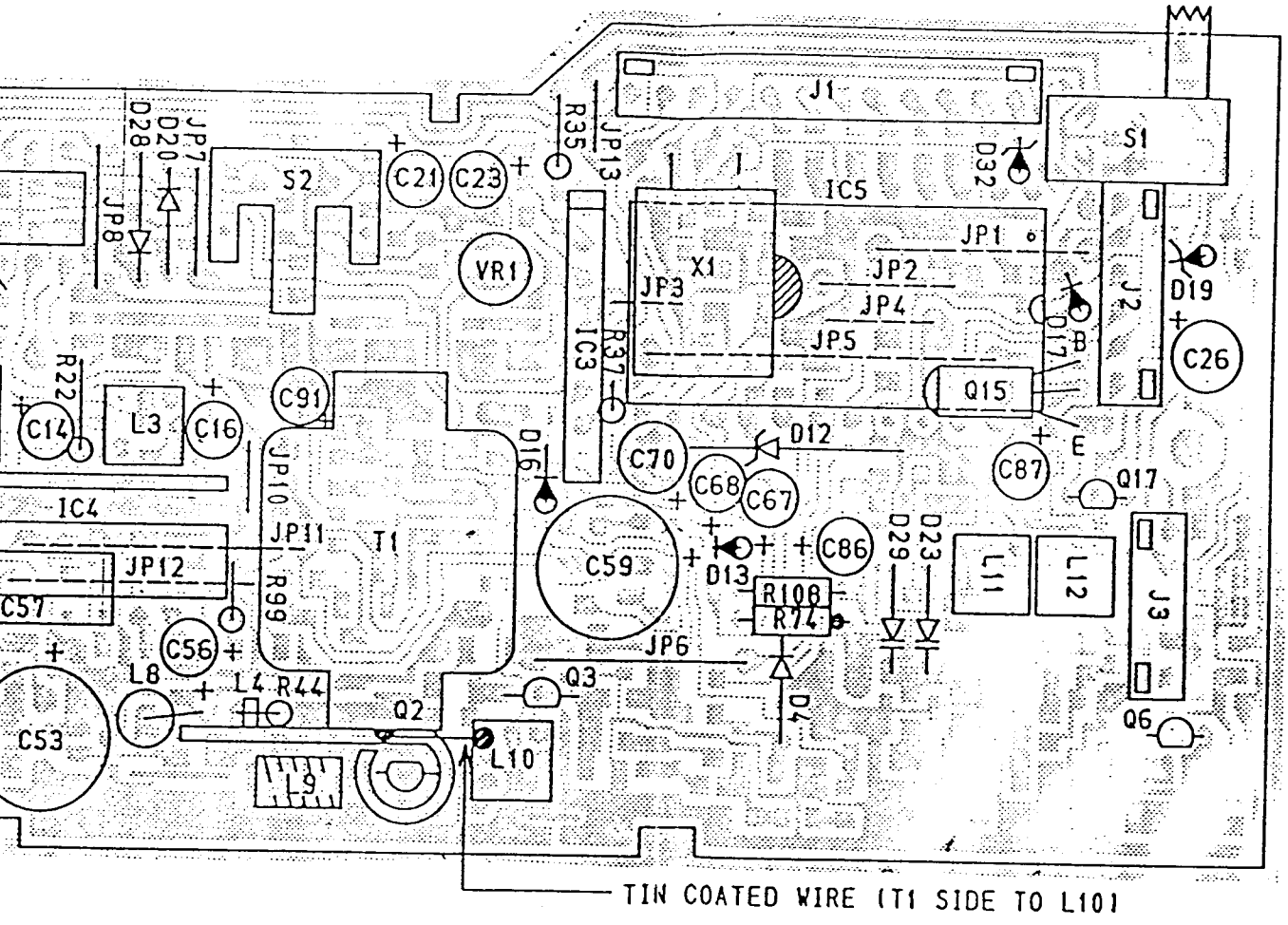
TUBE (12mm)

C95

IC1

PCB

R44



J1

PCB

TUB (8m

P

	15.0mm
	10.0mm
	5.0mm
	7.5mm
	25.0mm
	15.0mm
	7.5mm
	10.0mm
	5.0mm
	5.0mm
	17.5mm
	17.5mm
	5.0mm

	JK221 12P
	JK221 6P
	JK221 5P
	JK375
	JK362

D3	MC301
D4	1S1555
D12	HZ6C1
D13	1S1555
D16	1S1555
D17	KB362
D19	HZ9B2
D20	1S1555
D21	1N4003
D23	1SV68
D28	1N60P
D29	1SV68
D32	HZ3B3

FT1	FL048
FT2	FL231

L1	LF141
L2	LF142
L3	LF145
L4	LD067
L5	LE340
L6	LE340
L7	LC214
L8	LD168
L9	LE339
L10	LF143
L11	LF157
L12	LF144

IC1	LA1185
IC2	TDA1220B
IC3	M5223L
IC4	TDA1905
IC5	SM5125A

Q2	2SC2086D
Q3	2SC941-TM101
Q6	2SB525E
Q15	2SC3242AE
Q17	2SC3242AE

S1	SW551
S2	SW561

T1	TF362
T2	TF258

VR1	RT528 47KB
VR2	RT528 1KB

X1	QX308 10.2419MHz

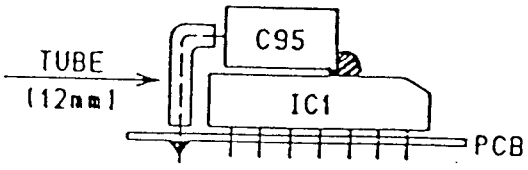
2C

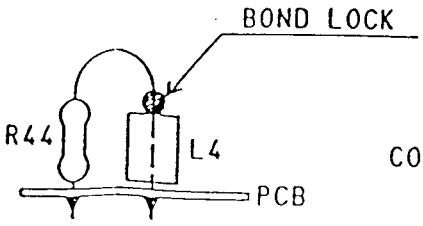
2D

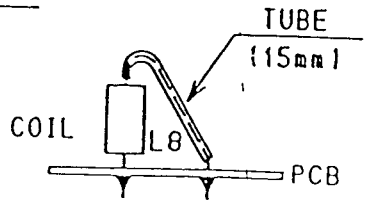
LOCK

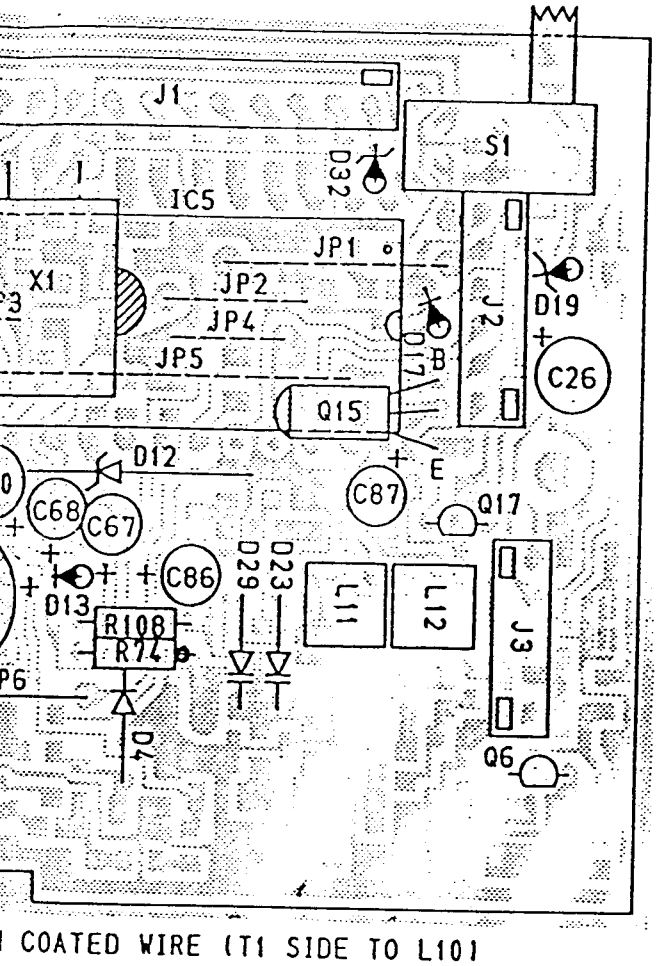
Y11

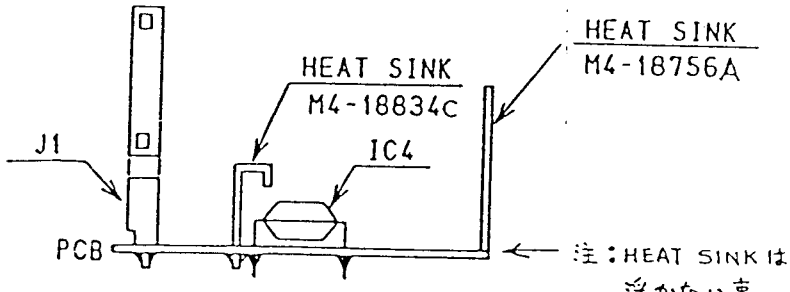
PCB

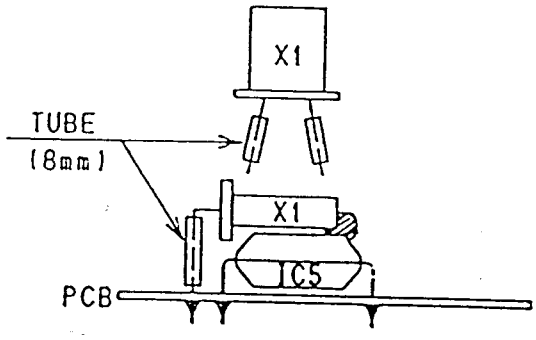


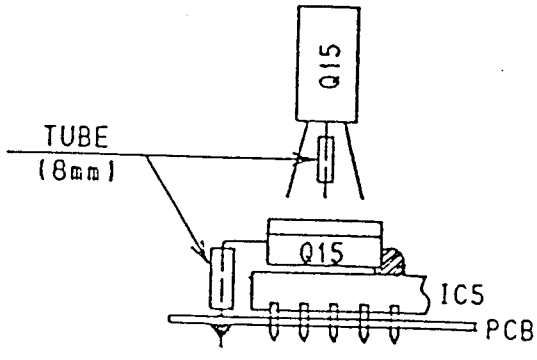












COATED WIRE (T1 SIDE TO L101)

LF141
LF142
LF145
LD067
LE340
LE340
LC214
LD168
LE339
LF143
LF157
LF144

Q2	2SC2086D
Q3	2SC941-TM101
Q6	2SB525E
Q15	2SC3242AE
Q17	2SC3242AE

S1	SW551
S2	SW561

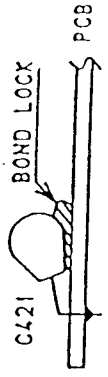
T1	TF362
T2	TF258

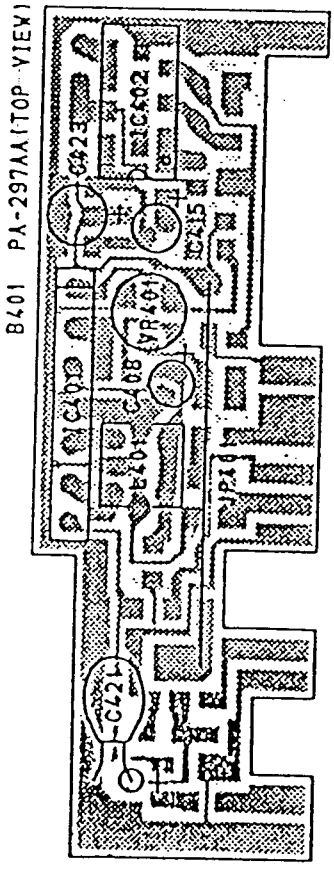
LA1185
TDA1220B
MS223L
TDA1905
SM5125A

VR1	RT528 47KB
VR2	RT528 1KB

X1	QX308 10.2419MHz

PLATINE FM — vue de dessus





L401	LF146

VR401	3.3KB RT528

JP401	25.0mm

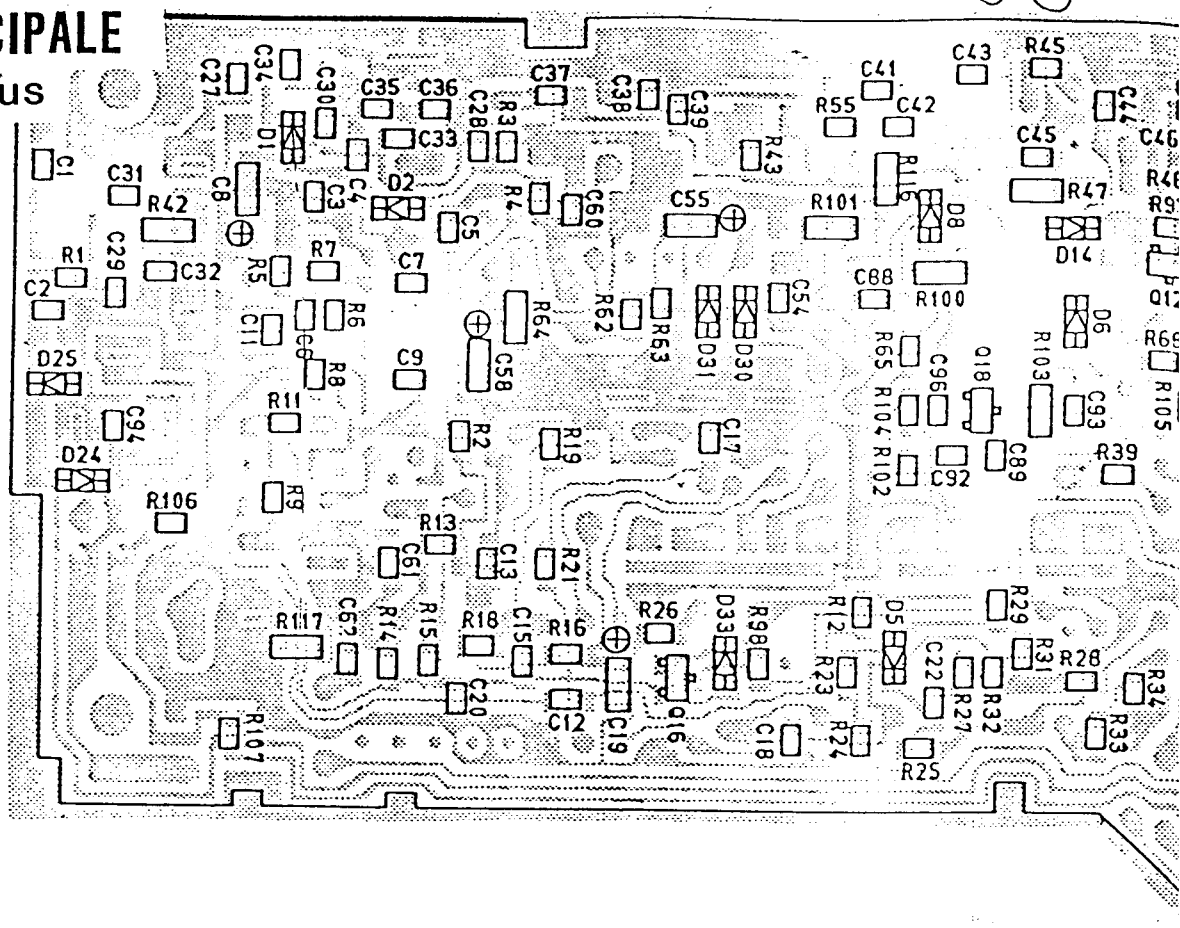
(TOP)

C408	10V22 C158
C415	25V4.7 C158
C421	10V10(T) C089
C423	10V47 C059

IC401	μPC1028HA
IC402	NJM4558D

PLATINE PRINCIPALE

vue de dessous



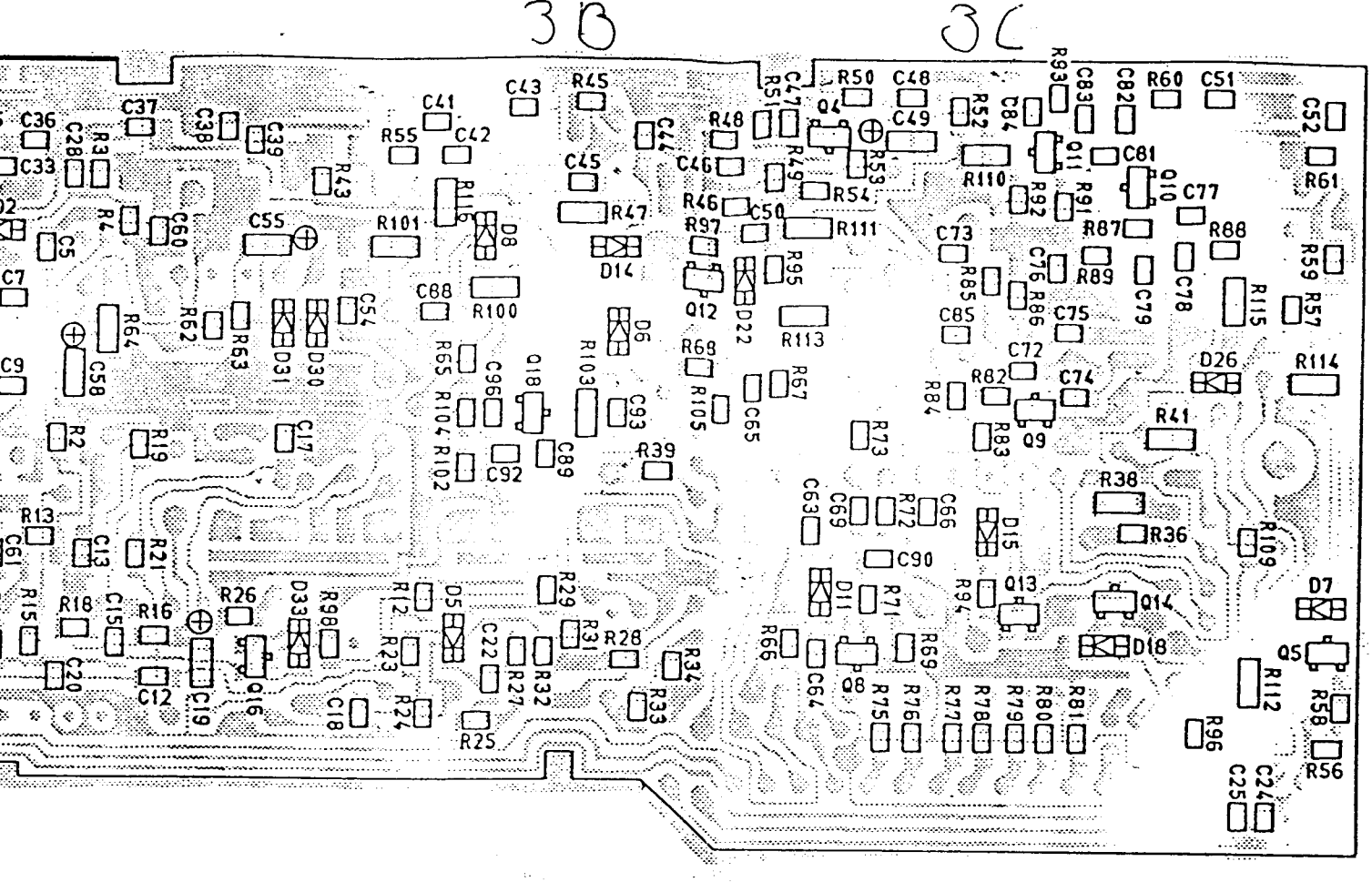
R1	820	G
R2	330	
R3	820	
R4	1K	
R5	22K	
R6	56K	
R7	10	
R8	100	
R9	470	
R11	1	
R12	1K	
R13	220	
R14	100	
R15	2.2K	
R16	68K	
R18	3.3K	
R19	560	
R21	10	
R23	100K	
R24	56K	
R25	56K	
R26	220K	
R27	100K	
R28	1K	
R29	1M	
R31	10K	
R32	12K	
R33	2.2K	
R34	390K	
R36	1K	
R38	22	1/8W ¥
R39	10K	
R41	470	1/8W ¥
R42	2.2K	1/8W ¥
R43	1.2K	
R45	2.2	
R46	8.2K	

R47	27	1/8W ¥
R48	15K	
R49	180	
R50	15K	
R51	180	
R52	150	
R53	10K	
R54	5.6K	
R55	2.2	
R56	1K	
R57	4.7K	
R58	100K	
R59	220	
R60	1K	
R61	10K	
R62	100K	
R63	100	
R64	1	1/8W ¥
R65	6.8K	
R66	1M	
R67	100	
R68	150	
R69	10K	
R71	1K	
R72	2.2K	
R73	10K	
R75	330	
R76	330	
R77	330	
R78	330	
R79	330	
R80	330	
R81	330	
R82	1K	
R83	6.8K	
R84	10K	
R85	10K	

R86	56K	
R87	15K	
R88	330	
R89	100	
R91	39K	
R92	100	
R93	390	
R94	1K	
R95	27K	
R96	10K	
R97	100K	
R98	1K	
R100	RZ-021	¥
R101	6.8K	1/8W ¥
R102	3.3K	
R103	1.8K	1/8W ¥
R104	39K	
R105	3.3K	
R106	560K	
R107	100	
R109	220	
R110	RZ-021	¥
R111	RZ-021	¥
R112	RZ-021	¥
R113	RZ-021	¥
R114	RZ-021	¥
R115	RZ-021	¥
R116	RZ-021	¥
R117	RZ-021	¥

D1	RLS4148	¥
D2	RLS4148	¥
D5	RLS4148	¥
D6	RLS4148	¥
D7	RLS4148	¥
D8	RLS4148	¥
D11	RLS4148	¥
D14	RLS4148	¥
D15	RLS4148	¥
D18	RLS4148	¥
D22	RLS4148	¥
D24	RLS4148	¥
D25	RLS4148	¥
D26	RLS4148	¥
D30	RLS4148	¥
D31	RLS4148	¥
D33	RLS4148	¥

Q4	2SC2814-F5
Q5	2SC2812-L5
Q8	2SD1048X-6
Q9	2SC2814-F5
Q10	2SC2814-F4
Q11	2SC2814-F4
Q12	2SC2812-L5
Q13	2SA1179-M6
Q14	2SC2812-L5
Q16	2SC2812-L5
Q18	2SC2812-L5



R86	56K
R87	15K
R88	330
R89	100
R91	39K
R92	100
R93	390
R94	1K
R95	27K
R96	10K
R97	100K
R98	1K
R100	RZ-021 ※
R101	6.8K 1/8W※
R102	3.3K
R103	1.8K 1/8W※
R104	39K
R105	3.3K
R106	560K
R107	100
R109	220
R110	RZ-021 ※
R111	RZ-021 ※
R112	RZ-021 ※
R113	RZ-021 ※
R114	RZ-021 ※
R115	RZ-021 ※
R116	RZ-021 ※
R117	RZ-021 ※

D1	RLS4148 ※
D2	RLS4148 ※
D5	RLS4148 ※
D6	RLS4148 ※
D7	RLS4148 ※
D8	RLS4148 ※
D11	RLS4148 ※
D14	RLS4148 ※
D15	RLS4148 ※
D18	RLS4148 ※
D22	RLS4148 ※
D24	RLS4148 ※
D25	RLS4148 ※
D26	RLS4148 ※
D30	RLS4148 ※
D31	RLS4148 ※
D33	RLS4148 ※

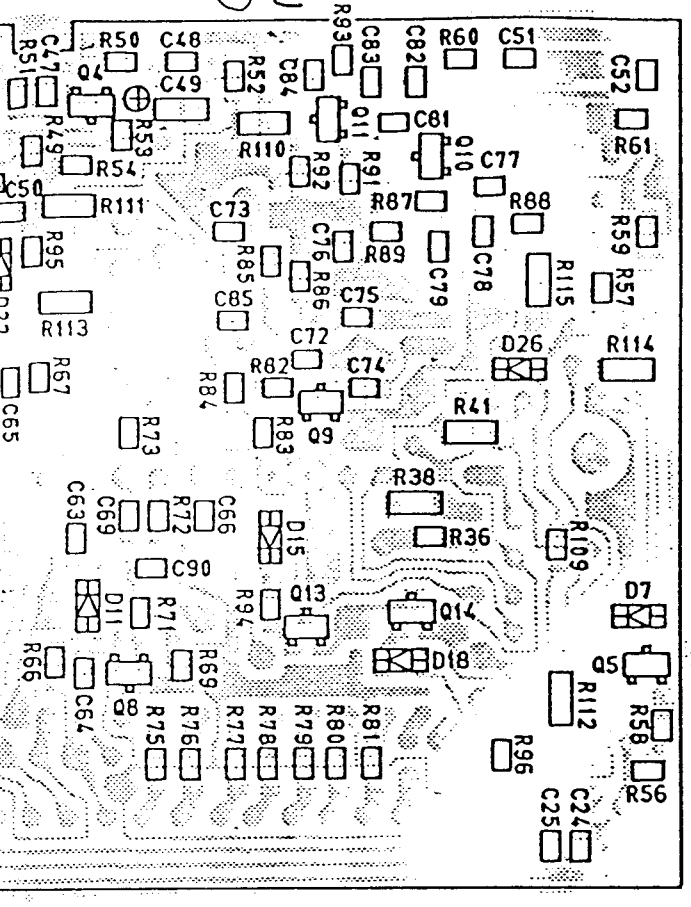
Q4	2SC2814-F5
Q5	2SC2812-L5
Q8	2SD1048X-6
Q9	2SC2814-F5
Q10	2SC2814-F4
Q11	2SC2814-F4
Q12	2SC2812-L5
Q13	2SA1179-M6
Q14	2SC2812-L5
Q16	2SC2812-L5
Q18	2SC2812-L5

C1	0.0047 25V KC
C2	0.01 25V KC
C3	0.0047 25V KC
C4	18P 50V J CG
C5	0.0047 25V KC
C6	0.01 25V KC
C7	12P 50V J CG
C8	1μ 16V C122 ※(T)
C9	0.0047 25V KC
C11	15P 50V J CG
C12	0.0047 25V KC
C13	0.047 50V Z YF
C15	0.001 25V KC
C17	0.0047 25V KC
C18	0.001 25V KC
C19	1μ 16V C122 ※(T)
C20	0.047 50V Z YF
C22	0.0022 25V KC
C24	0.0022 25V KC
C25	0.01 25V KC
C27	120P 50V J CG
C28	0.0047 25V KC
C29	0.01 25V KC
C30	33P 50V J CG
C31	0.0047 25V KC
C32	150P 50V J CG
C33	18P 50V J CG
C34	220P 50V J CG
C35	33P 50V J CG
C36	180P 50V J CG
C37	680P 50V J CG
C38	33P 50V J CG
C39	0.047 50V Z YF
C41	0.047 50V Z YF
C42	220P 50V J CG
C43	100P 50V J SL
C44	0.0047 25V KC

C45	0.0047 25V KC
C46	470P 50V J UJ
C47	0.01 25V KC
C48	0.001 25V KC
C49	0.22μ 35V C122 ※(T)
C50	0.01 25V KC
C51	0.047 50V Z YF
C52	0.0047 25V KC
C54	0.01 25V KC
C55	1μ 16V C122 ※(T)
C58	0.22μ 35V C122 ※(T)
C60	0.01 25V KC
C61	330P 50V J CG
C62	270P 50V J CG
C63	0.047 50V Z YF
C64	33P 50V J CG
C65	0.001 25V KC
C66	0.0047 25V KC
C69	0.047 50V Z YF
C72	0.01 25V KC
C73	0.01 25V KC
C74	0.01 25V KC
C75	33P 50V J UJ
C76	0.01 25V KC
C77	100P 50V J UJ
C78	330P 50V J UJ
C79	39P 50V J UJ
C81	15P 50V J CG
C82	68P 50V J SL
C83	39P 50V J SL
C84	0.01 25V KC
C85	0.047 50V Z YF
C88	0.01 25V KC
C89	0.0068 25V KC
C90	0.01 25V KC
C92	0.0047 25V KC
C93	0.047 50V Z YF

C94	0.001
C96	0.0047

3C



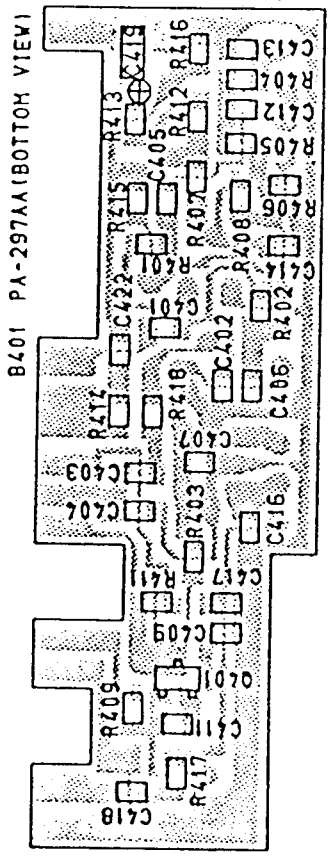
3D

	0.0047 25V KC
	0.01 25V KC
	0.0047 25V KC
	18P 50V J CG
	0.0047 25V KC
	0.01 25V KC
	12P 50V J CG
	1μ 16V C122 ※ (T)
	0.0047 25V KC
	15P 50V J CG
	0.0047 25V KC
	0.047 50V Z YF
	0.001 25V KC
	0.0047 25V KC
	0.001 25V KC
	1μ 16V C122 ※ (T)
	0.047 50V Z YF
	0.0022 25V KC
	0.0022 25V KC
	0.01 25V KC
	120P 50V J CG
	0.0047 25V KC
	0.01 25V KC
	33P 50V J CG
	0.0047 25V KC
	150P 50V J CG
	18P 50V J CG
	220P 50V J CG
	33P 50V J CG
	180P 50V J CG
	680P 50V J CG
	33P 50V J CG
	0.047 50V Z YF
	0.047 50V Z YF
	220P 50V J CG
	100P 50V J SL
	0.0047 25V KC

C45	0.0047 25V KC
C46	470P 50V J UJ
C47	0.01 25V KC
C48	0.001 25V KC
C49	0.22μ 35V C122 ※ (T)
C50	0.01 25V KC
C51	0.047 50V Z YF
C52	0.0047 25V KC
C54	0.01 25V KC
C55	1μ 16V C122 ※ (T)
C58	0.22μ 35V C122 ※ (T)
C60	0.01 25V KC
C61	330P 50V J CG
C62	270P 50V J CG
C63	0.047 50V Z YF
C64	33P 50V J CG
C65	0.001 25V KC
C66	0.0047 25V KC
C69	0.047 50V Z YF
C72	0.01 25V KC
C73	0.01 25V KC
C74	0.01 25V KC
C75	33P 50V J UJ
C76	0.01 25V KC
C77	100P 50V J UJ
C78	330P 50V J UJ
C79	39P 50V J UJ
C81	15P 50V J CG
C82	68P 50V J SL
C83	39P 50V J SL
C84	0.01 25V KC
C85	0.047 50V Z YF
C88	0.01 25V KC
C89	0.0068 25V KC
C90	0.01 25V KC
C92	0.0047 25V KC
C93	0.047 50V Z YF

C94	0.001 25V KC
C96	0.0047 25V KC

PLATINE FM — vue de dessous



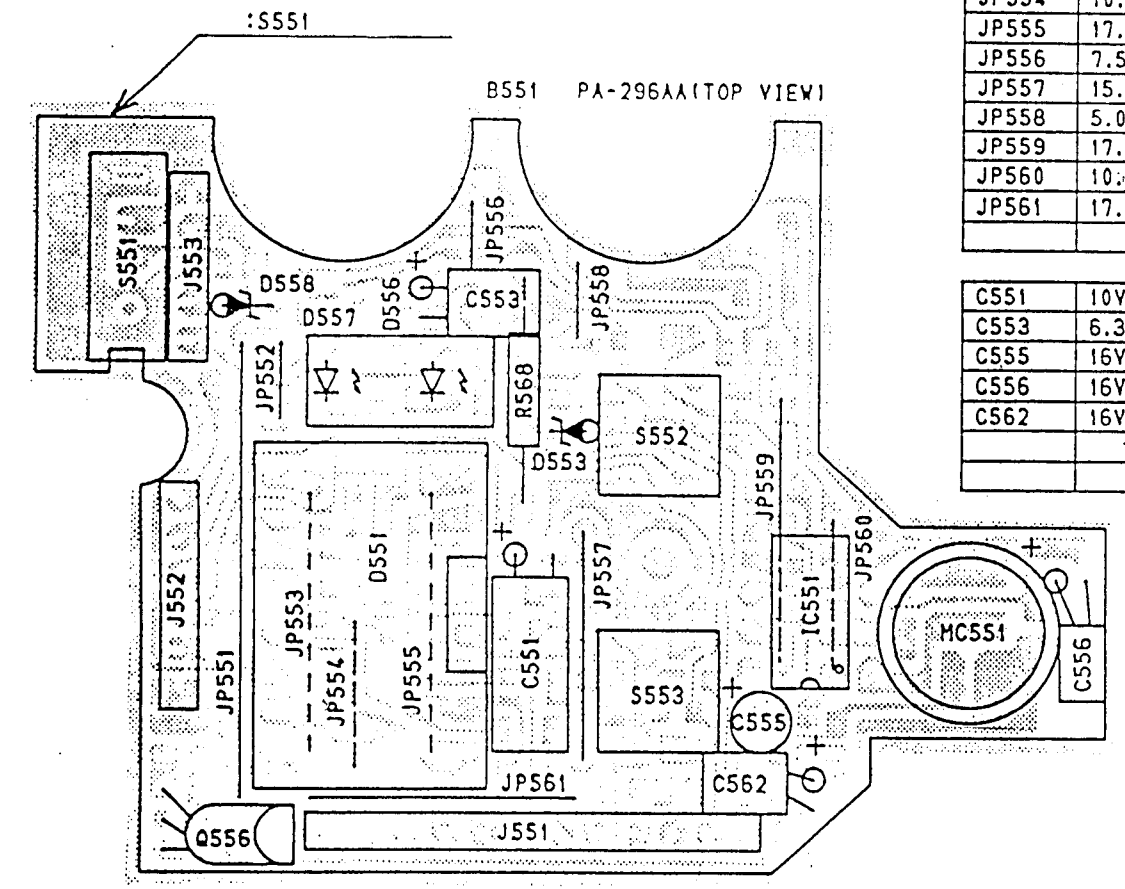
Q401	2SA1179M6

R401	47K
R402	3.3K
R403	47
R404	10K
R405	10K
R406	100K
R407	22K
R408	100K
R409	3.3K
R411	4.7K
R412	390K
R413	1K
R414	1K
R415	27K
R416	33K
R417	4.7K
R418	10K

(BOTTOM)

C401	25V0.001 KC
C402	25V0.0022 KC
C403	25V0.039 KC
C404	25V0.01 KC
C405	25V0.0033 KC
C406	50V0.068 ZYF
C407	25V0.039 KC
C408	50V0.047 KC
C411	25V0.022 KC
C412	50V0.068 ZYF
C413	25V0.001 KC
C414	25V0.022 KC
C416	50Y22P JCG
C417	25V0.015 KC
C418	25V0.0039 KC
C419	16V11T1 C122 ※
C422	25V0.0047 KC

PLATINE AFFICHEUR
vue de dessus



(TOP)

JP551	30.0mm
JP552	5.0mm
JP553	17.5mm
JP554	10.0mm
JP555	17.5mm
JP556	7.5mm
JP557	15.0mm
JP558	5.0mm
JP559	17.5mm
JP560	10.0mm
JP561	17.5mm

C551	10V220 C156
C553	6.3V47. C158
C555	16V10 C158
C556	16V10 C158
C562	16V10 C158

D551	UG203
D553	HZ6C1
D556	RT242PRS
D557	RT242PRS
D558	HZ5C3

S551	SW332
S552	SW560
S553	SW560

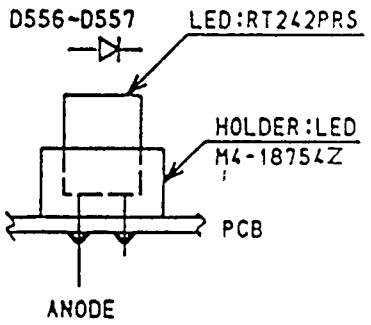
J551	JK328 12P
J552	JK328 6P
J553	JK328 5P

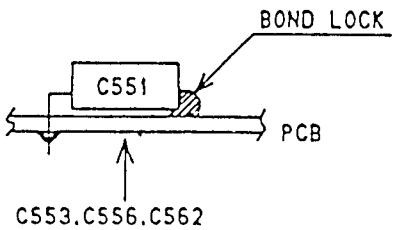
MC551	MK357

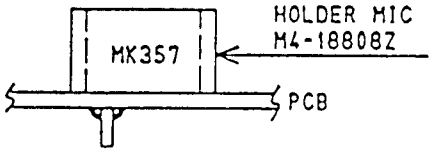
Q556	2SC3242AE

IC551	TDA2822M

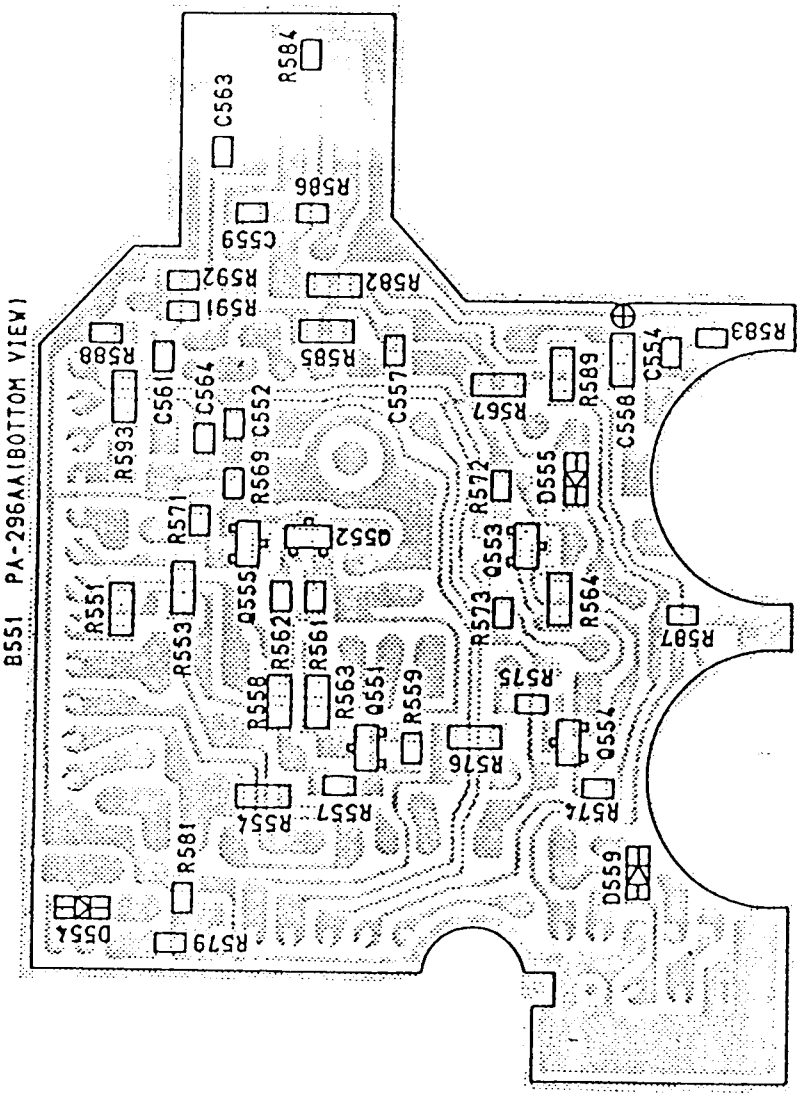
R568	56 1/6WJ AXIAL LEAD







PLATINE AFFICHEUR vue de dessous



C552	25V0.01 KC								
C554	25V0.01 KC								
C557	25V0.01 KC								
C558	16V1IT1 C122 Ж								
C559	50V0.1 ZYF								
C561	25V0.015 KC								
C563	25V0.01 KC								
C564	25V0.0047 KC								

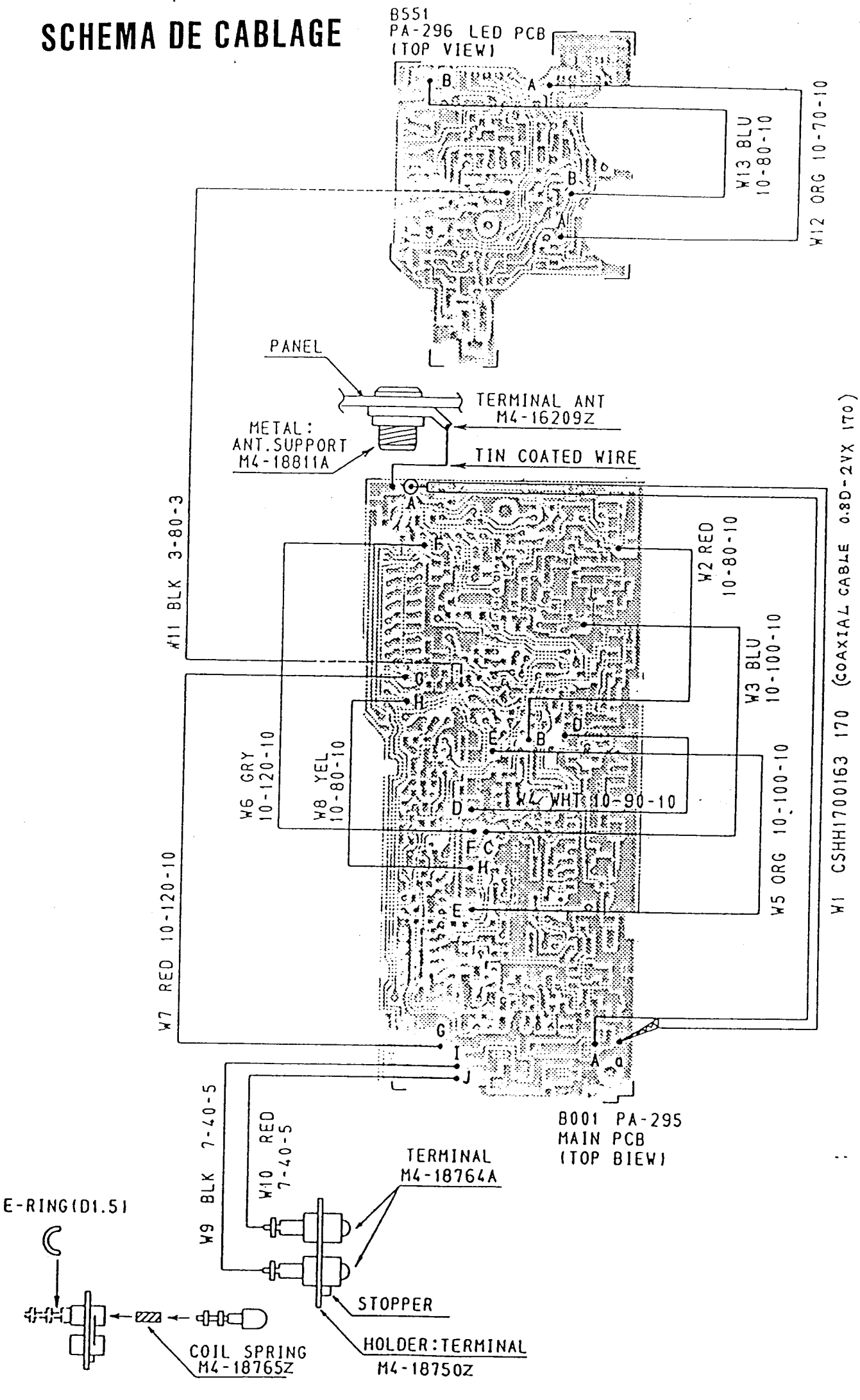
D554	RLS4148 Ж								
D555	RLS4148 Ж								
D559	RLS4148 Ж								

R576	1K 1/8W Ж								
R579	1K								
R581	47K								
R582	15 1/8W Ж								
R583	12K								
R584	6.8K								
R585	RZ021 Ж								
R586	1								
R587	68K								
R588	22K								
R589	RZ021 Ж								
R591	2.2K								
R592	4.7K								
R593	RZ021 Ж								

Q551	2SA1179M6								
Q552	2SA1179M6								
Q553	2SC2812L5								
Q554	2SC2812L5								
Q555	2SA1179M6								

R551	RZ021 Ж								
R553	RZ021 Ж								
R554	RZ021 Ж								
R557	5.6K								
R558	RZ021 Ж								
R559	10K								
R561	10K								
R562	10K								
R563	RZ021 Ж								
R564	RZ021 Ж								
R567	RZ021 Ж								
R569	15K								
R571	4.7K								
R572	1.2K G								
R573	3.9K								
R574	10K								
R575	1K								

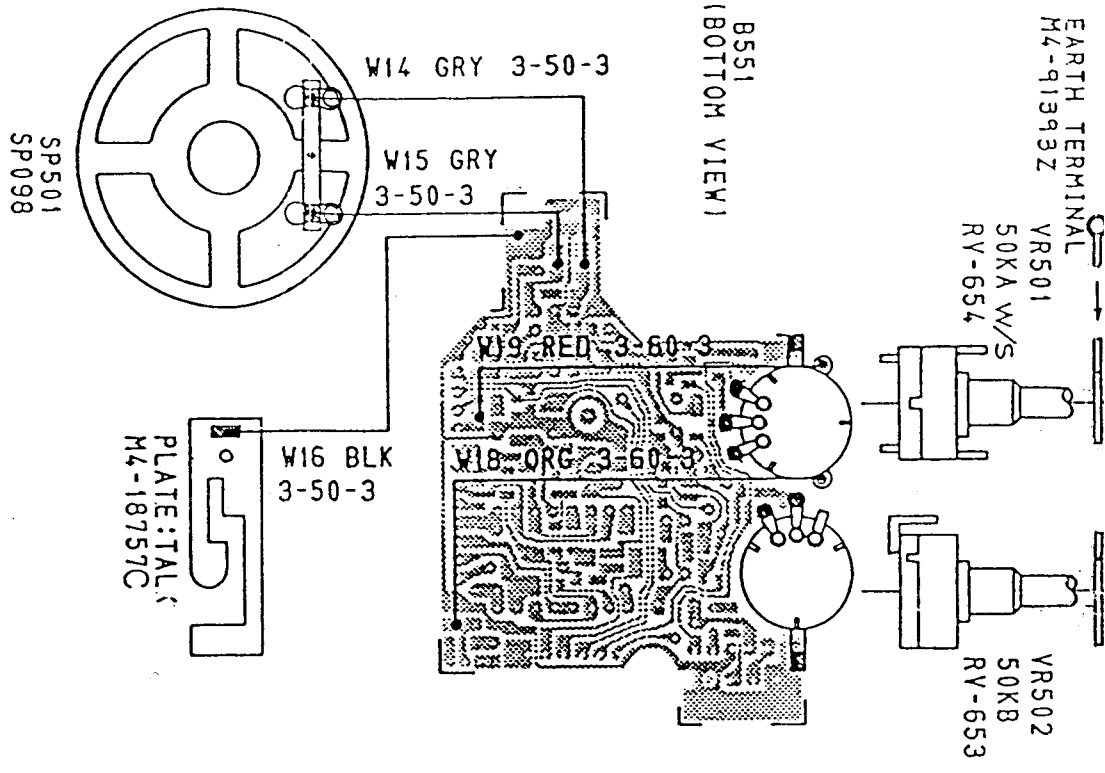
SCHEMA DE CABLAGE

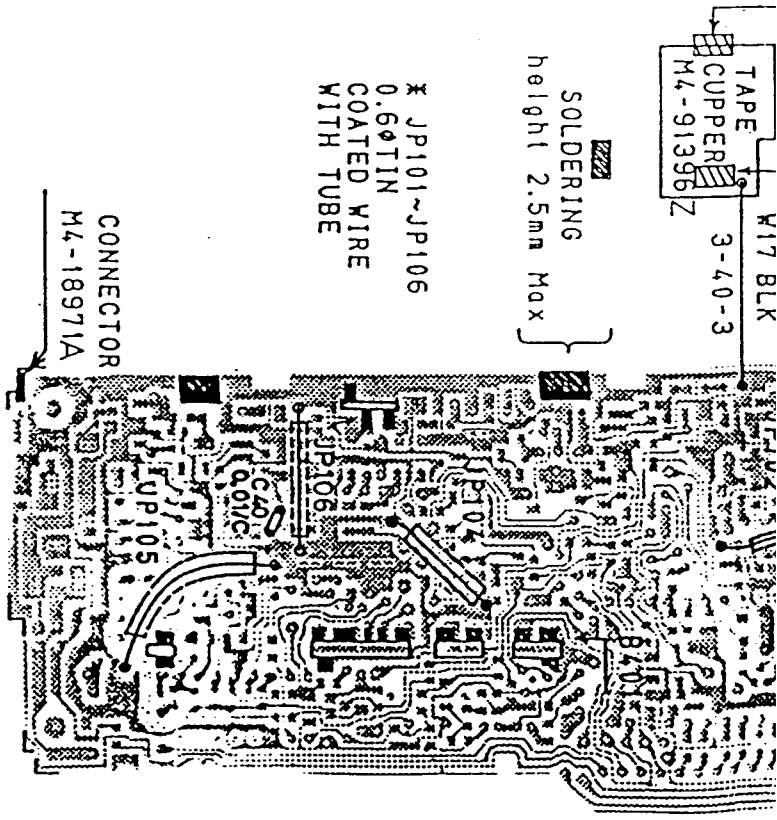


4A

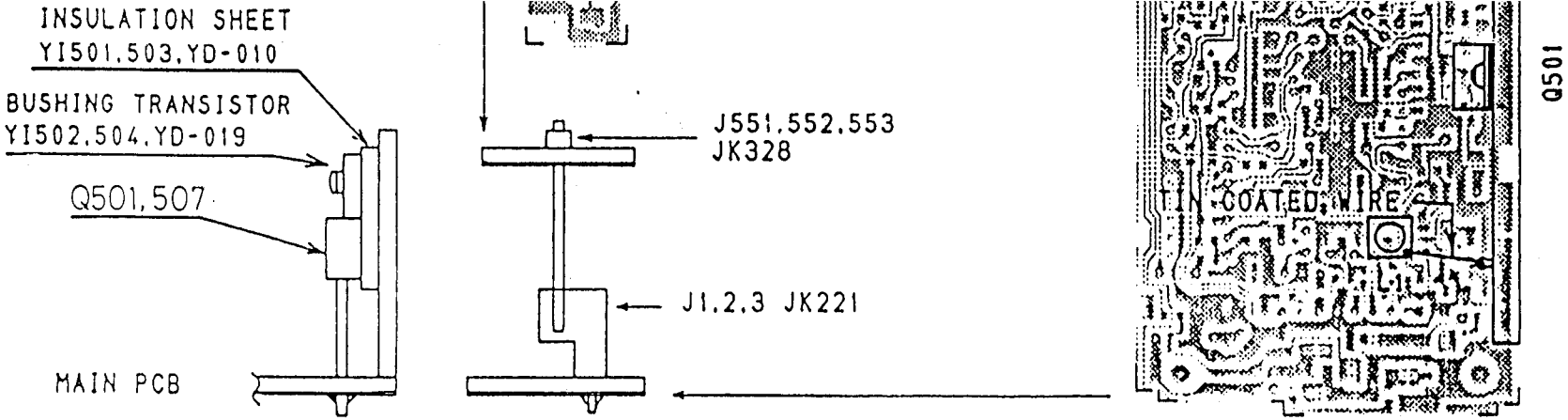
4B

SCHEMA DE CABLAGE

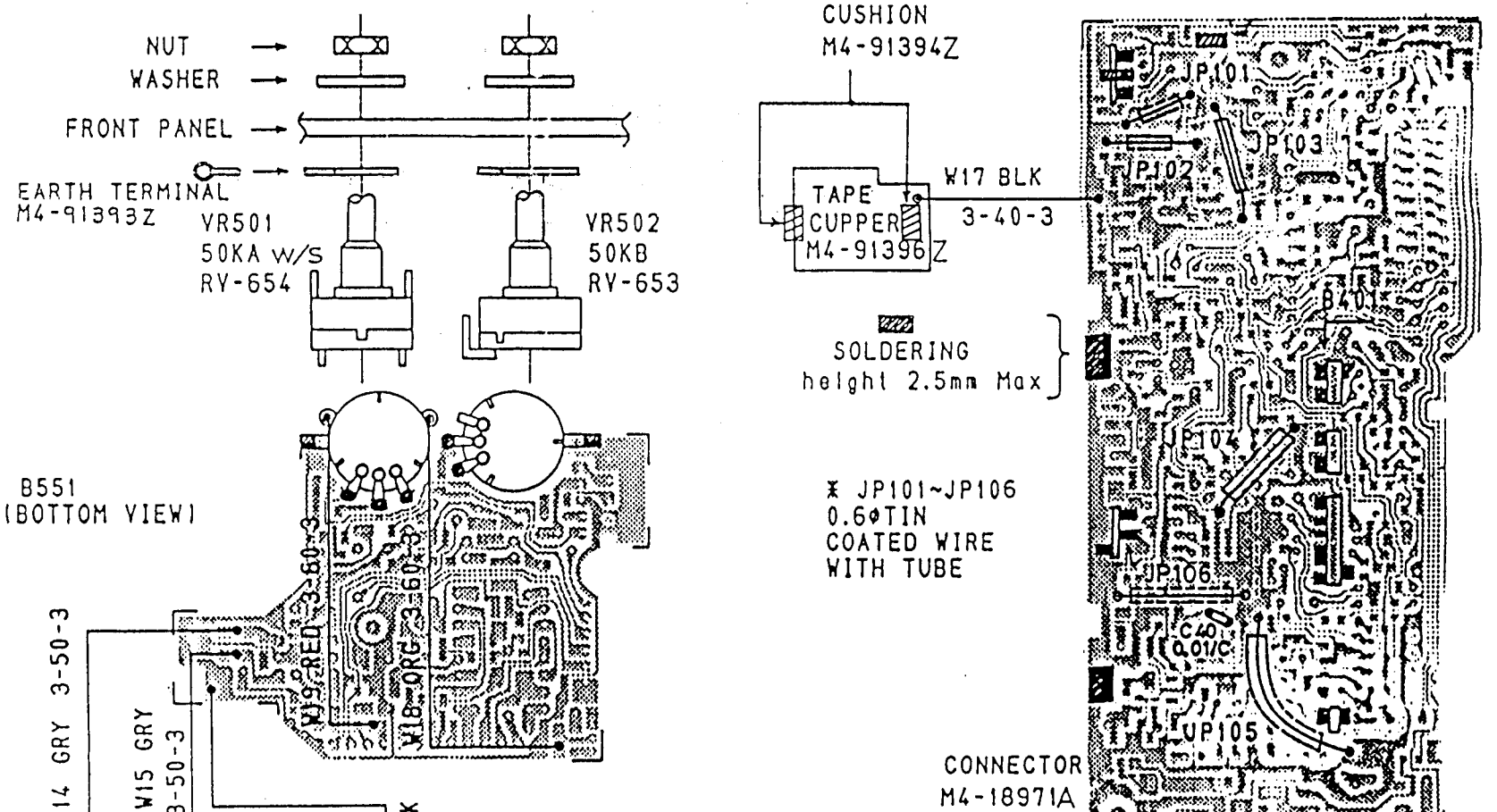




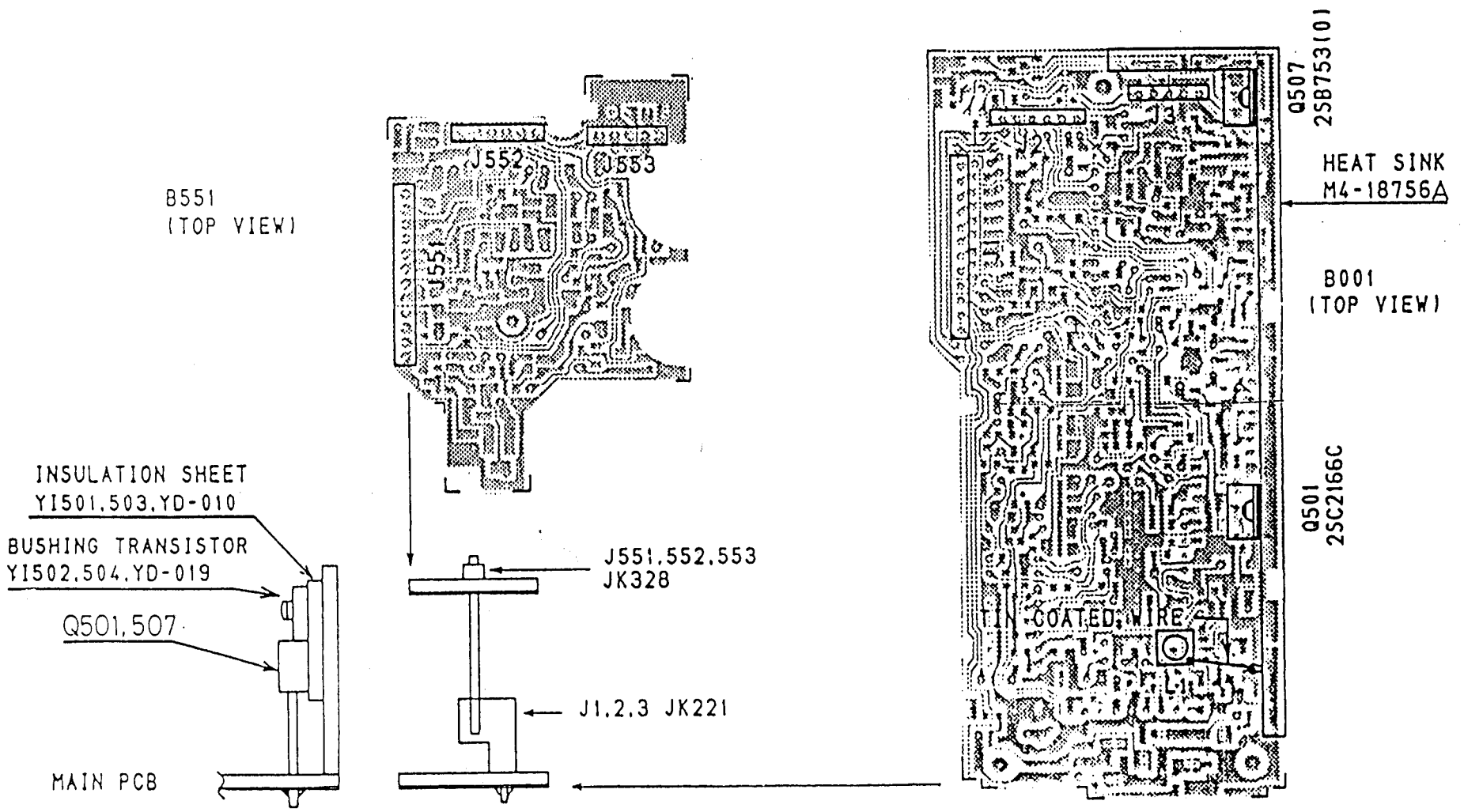
		DESIGN.BY	DRAWN.BY	UNIDEN NO.	MODEL NO.
		63.2.5	63.2.15	UT-323	WILLIAM
		Y.TANA	R.HAGA	TITLE	WIRING DIAGRAM 2/2
		CHECK.BY	APPRO.BY	DRAWING NO.	REV. MARK
				E33-2847	

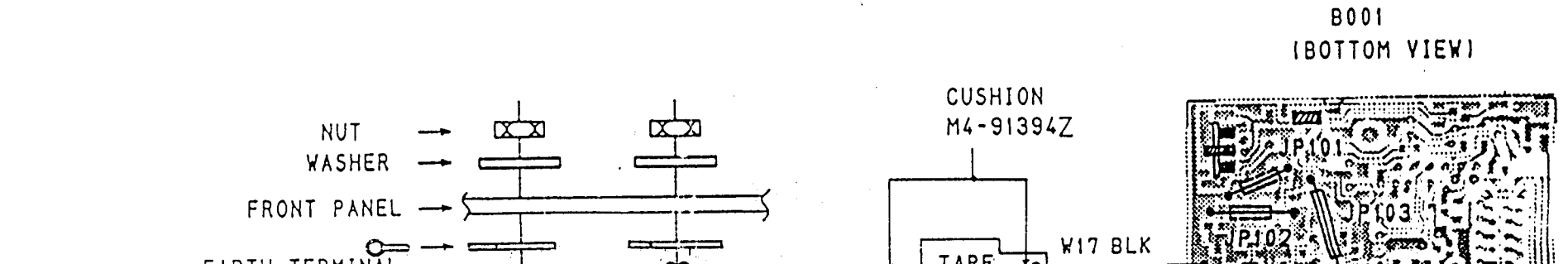

INSULATION SHEET
YI501.503.YD-010
BUSHING TRANSISTOR
YI502.504.YD-019
Q501,507
MAIN PCB
J551.552.553
JK328
J1.2.3 JK221
TIN COATED WIRE
Q501
2SC2166C

4C


B001
(BOTTOM VIEW)
NUT
WASHER
FRONT PANEL
EARTH TERMINAL
M4-91393Z
VR501
50KA W/S
RY-654
VR502
50KB
RY-653
B551
(BOTTOM VIEW)
CUSHION
M4-91394Z
TAPE
CUPPER
M4-91396Z
W17 BLK
3-40-3
SOLDERING
height 2.5mm Max
* JP101~JP106
0.6φTIN
COATED WIRE
WITH TUBE
JP101
JP102
JP103
JP104
JP105
JP106
CONNECTOR
M4-18971A
W19 RED 3-60-3
W18 ORG 3-60-3
W14 GRY 3-50-3
W15 GRY
3-50-3

4B


B551
(TOP VIEW)
J552
J553
J551
INSULATION SHEET
YI501,503,YD-010
BUSHING TRANSISTOR
YI502,504,YD-019
Q501,507
MAIN PCB
J551,552,553
JK328
J1,2,3 JK221
Q507
2SB753(01)
HEAT SINK
M4-18756A
B001
(TOP VIEW)
Q501
2SC2166C
TIN COATED WIRE


B001
(BOTTOM VIEW)
NUT
WASHER
FRONT PANEL
CUSHION
M4-91394Z
W17 BLK
JP101
JP103
JP102

LISTE PIECES DETACHEES WILLIAM

	REF.	D E S I G N A T I O N	QTE/MOD.
***	AT009	ANTENNE WILLIAM	1
	BC003	BOBINE LD-087	1
	BC130	BOBINE LD-168 / LD-240	2
*	BC153	BOBINE LC-214	1
	BC154	BOBINE LE-339	1
	BC155	BOBINE LE-340	2
	BC156	BOBINE LF-141	1
*	BC157	BOBINE LF-142	1
*	BC158	BOBINE LF-143	1
*	BC159	BOBINE LF-144	1
*	BC160	BOBINE LF-145	1
*	BC161	BOBINE LF-157	1
*	BR052	BOBINE LF-146	1
	BT017	TRANSFORMATEUR TF-258	1
*	BT018	TRANSFORMATEUR TF-362	1
	DC007	DIODE MC 301	1
	DC008	DIODE 1N 4001-1N 4002-1N 4003	1
	DC023	DIODE 1N 60 P	1
	DC024	DIODE 1S 1555	4
	DV004	DIODE KB-362	1
	DV028	DIODE 1 SV 68	2
	DV029	DIODE RLS 4148 (CMS)	17
*	HM025	PASTIL.MIC MK 357 WILLIAM	1
***	HP012	HAUT-PARLEUR SP-098	1
*	IL052	CIRCUIT INTEGRE LB 1292	2
*	IP015	CIRCUIT INTEGRE TDA 1905	1

LISTE PIECES DETACHEES WILLIAM

	REF.	D E S I G N A T I O N	QTE/MOD.
*	IP016	CIRCUIT INTEGRE TDA 2822 M	1
	IR000	CIRCUIT INTEGRE M 5223 L	1
	IR003	CIRCUIT INTEGRE NJM4558D/BA45	1
*	IR004	CIRCUIT INTEGRE UPC 1028 H	1
*	IR011	CIRCUIT INTEGRE TA 7310-P	1
*	IR047	CIRCUIT INTEGRE 7808	1
*	IR055	CIRCUIT INTEGRE TDA 1220B	1
*	IR056	CIRCUIT INTEGRE LA 1185	1
*	IR067	CIRCUIT INTEGRE BA 6146	1
**	IS003	CIRCUIT INTEGRE TC 9106-BP	1
**	IS029	CIRCUIT INTEGRE SM 5125 A	1
**	IS045	CIRCUIT INTEGRE SM 5126 BP	1
**	IY431	PLATINE AFFICHEUR WILLIAM	1
	JX044	JACK JK-135/232/362 ALIM 12V	1
	JX045	JACK JK-375 ANTENNE EXTERNE	1
	JX046	JACK JK-328 5 BROCHES WILLIAM	1
	JX047	JACK JK-328 6 BROCHES WILLIAM	1
	JX048	JACK-JK 328 12 BROCHES WILLIAM	1
	JX058	JACK JK-221 5P WILLIAM	
	JX059	JACK JK-221 6P WILLIAM	
*	JX060	JACK JK-221 12P WILLIAM	
*	JX061	ADAPTATEUR ANT EXT WIL NC557	1
**	OA015	AFFICHEUR CANAUX WILLIAM	1
	PF001	FILTRE FL-048 SFE 10.7 MHZ	1
*	PF004	FILTRE FL-055 10.7 MHZ A1	2
*	PF024	FILTRE FL-231	1

LISTE PIECES DETACHEES WILLIAM

	REF.	D E S I G N A T I O N	QTE/MOD.
*	PQ057	QUARTZ 10.2419 QX-308 90-D	1
**	QX012	CORDON ALIM. WILLIAM	1
	QX013	SUPPORT (DRAGONNE) WILLIAM	1
*	QX051	FACE AVANT WILLIAM	1
*	QX067	FACE ARRIERE WILLIAM	1
*	QX068	BOITIER COUVER. PILE WILLIAM	1
	QX069	SUPPORT CORDON WILLIAM	1
*	QX070	BOITIER SUPPORT PILE WILLIAM	1
	QX071	BOUTON POUSSOIR WILLIAM	2
	QX072	PEDALE RX / TX WILLIAM	1
	QX073	BOUTON VOL/SQUELCH WILLIAM	2
	QX074	BOITE EMBALLAGE WILLIAM	1
	QX141	PLAQUE AFFICHEUR WILLIAM	1
	QX142	SERIGRAPHIE AM/FM WILLIAM	1
***	QX145	BASE MAGNETIQUE ANT. WILLIAM	1
	QX176	BATTERIE CONTACT WILLIAM	10
***	QX194	BOITIER ACCU VIDE WILLIAM	2
**	QX216	BOITIER PILES VIDE WILLIAM	1
	QX253	LAME CONTACT + BOITIER PILES	1
*	QX254	LAME CONTACT - BOITIER PILES	1
	RA007	RESISTANCE AJUST. RT-528. 1KB	1
	RA008	RESISTANCE AJUST. RT-528. 47KB	1
*	RV045	POTENTIOM.RV-653 SQUELCH	1
*	RV046	POTENTIOM.RV-654 VOL/M.A	1
	SS032	COMMUTATEUR PUISSANCE HI/LOW	1
	SX060	COMMUTATEUR SW-560/CNX + OU -	2

LISTE PIECES DETACHEES WILLIAM

	REF.	D E S I G N A T I O N	QTE/MOD.
	SX070	COMMUTATEUR SW-551 (MODE)	1
	SX071	COMMUTATEUR SW-561 (EMISSION)	1
*	TH001	TRANSISTOR 2SC 2166	1
	TX001	TRANSISTOR 2SA 733	3
	TX002	TRANSISTOR 2SC 945	12
	TX003	TRANSISTOR 2SC 1674	3
	TX004	TRANSISTOR 2SC 1675	9
	TX006	TRANSISTOR 2SB 525	1
*	TX010	TRANSISTOR 2SC 2086	1
	TX015	TRANSISTOR 2SC 941	2
*	TX020	TRANSISTOR 2SB 753	1
	TX024	TRANSISTOR 2SK 192	2
	TX117	TRANSISTOR 2SC 3242	4
	TX300	TRANSISTOR 2SC 2814 (CMS)	2
	TX301	TRANSISTOR 2SD 1048X (CMS)	1
	TX306	TRANSISTOR 2SA 1179 (CMS)	4
	TX307	TRANSISTOR 2SC 2812 (CMS)	7
	TX309	TRANSISTOR 2SB 1035	1
****	XX001	LOT MANUELS MAINT. "PRESIDENT"	
*	XX044	MANUEL DE MAINTENANCE WILLIAM	1

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Pièces détachées Spécifiques à chaque Appareil			
EMETTEUR/RECEPTEUR	P.A. amplificateur de puissance.	P.L.L. boucle à verrouillage de phase	B.F. Basses Fréquences
JIMMY	2SC 2166	SM 5124	TDA 1905
JOHNNY	2SC 2166	SM 5124	TDA 1905
HARRY	2SC 2166	SM 5124	TDA 1905
TAYLOR	2SC 2029	TC 9106/SM 5126C	MB 3712
FRANCOIS	2SC 2029	TC 9109/SM 5126A	MB 3712
VALERY	2SC 2029	TC 9106/SM 5126C	MB 3712
WILSON	2SC 2166	SM 5124	UPC 1242
HERBERT	2SC 2166	TC 9106	UPC 1242
SS-120	2SC 1944	UPD 2816	TA 7222
JACK	2SC 2312	MB 8719	* UPC 1242
GRANT	2SC 2312	MB 8719	* UPC 1242
J.F.K.	2SC 1944	UPD 2816	MB 3712
SS-360	2SC 2312	MC 145106	TA 7222
JACKSON	MRF 477	MC 145106	* UPC 1242
LINCOLN	MRF 477	PLL 0305	TDA 1905
BENJAMIN	2SC 2312	D 2824	UPC 1242
WILLIAM	2SC 2166	SM 5125	TDA 2822
MC 6700	2SC 1946	MB 8789	TA 7066 (combir MB 3713 (H.F.)

CONTACTER NOTRE S.A.V. concernant nos Conditions. Disponibilité et Tarif.

* Ces appareils utilisaient sur les anciens modèles en B F : UPC 1182

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PIECES DETACHEES COMMUNES A PLUSIEURS APPAREILS

Ref. CIRCUIT BF	EMETTEUR/RECEPT .
MB 3712	TAYLOR FRANCOIS VALERY J.F.K (2)
TDA 1905	HARRY-JIMMY PC-33 LINCOLN JOHNNY
UPC 1242	GRANT JACKSON JACK HERBERT BENJAMIN
TDA 2822	WILLIAM
TA 7222	SS-120 / ROBERT SS-360 / RICHARD RONALD FRANKLIN
TA 7066	MC-6700 (combiné)
MB 3713	MC-6700 (H.P.)
UPC 1182	JACK ancien GRANT modèle JACKSON
AFFICHEUR	
UR 202	VALERY SS-120 JFK SS-360 GRANT JACKSON JACK

Ref. P.A	EMETTEUR/RECEPTEUR
2SC 2166	JOHNNY HERBERT WILSON HARRY WILLIAM JIMMY PC-33X
2SC 2029	TAYLOR FRANCOIS VALERY PC 33 /43
2SC 1944	SS-120 J.F.K
2SC 2312	SS-360 GRANT JACK RONALD FRANKLIN BENJAMIN
MRF 477	JACKSON LINCOLN
MANUELS MAINTENANCE	→ TOUS MODELES
LAMPES VU-METRE	→ TOUS MODELES

VU- METRE
COMMUTATEUR
POTENTIOMETRE
QUARTZ

→ Spécifique à chaque appareil

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PIECES DETACHEES COMMUNES A PLUSIEURS APPAREILS

Ref. P L L	EMETTEUR/RECEPT
SM 5124	HARRY - JIMMY JOHNNY WILSON
TC 9106	TAYLOR PC-33/43/44 HERBERT
TC 9109	FRANCOIS VALERY
UPD 2816	SS-120/ROBERT JFK
MB 8719	GRANT JACK
MC 145106	SS-360/RICHARD JACKSON RONALD FRANKLIN
PLL 0305	LINCOLN
D 2824	BENJAMIN
MB 8789	MC 6700
SM 5125	WILLIAM

Ref.HAUT-PARLEUR	EMETTEUR/RECEPT.
SP 057/SP 227	VALERY TAYLOR FRANCOIS JACK PC 33X /43
SP 053	SS-360 GRANT JACKSON
SP 052	JFK SS-120
SP 154/SP 169	HARRY JIMMY JOHNNY WILSON
SP 149	HERBERT

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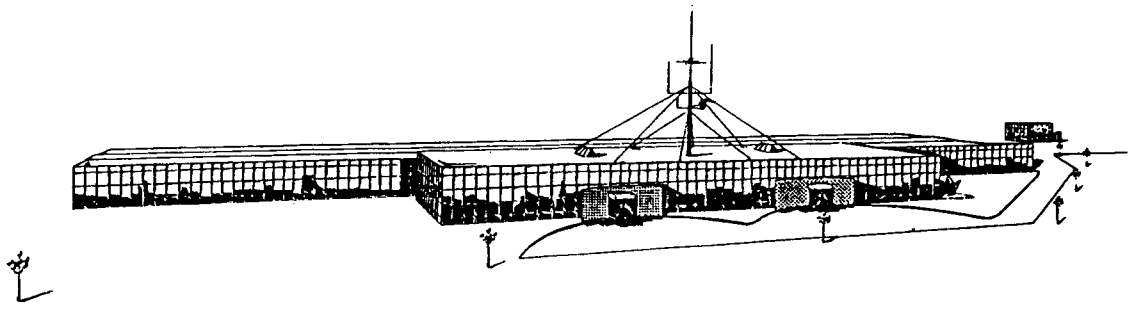

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Télex : 490534F - Fax : 67.48.48.49

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Parc d'activités des Arpents
77340 PONTAULT-COMBAULT
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N°1 CB PRESIDENT

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