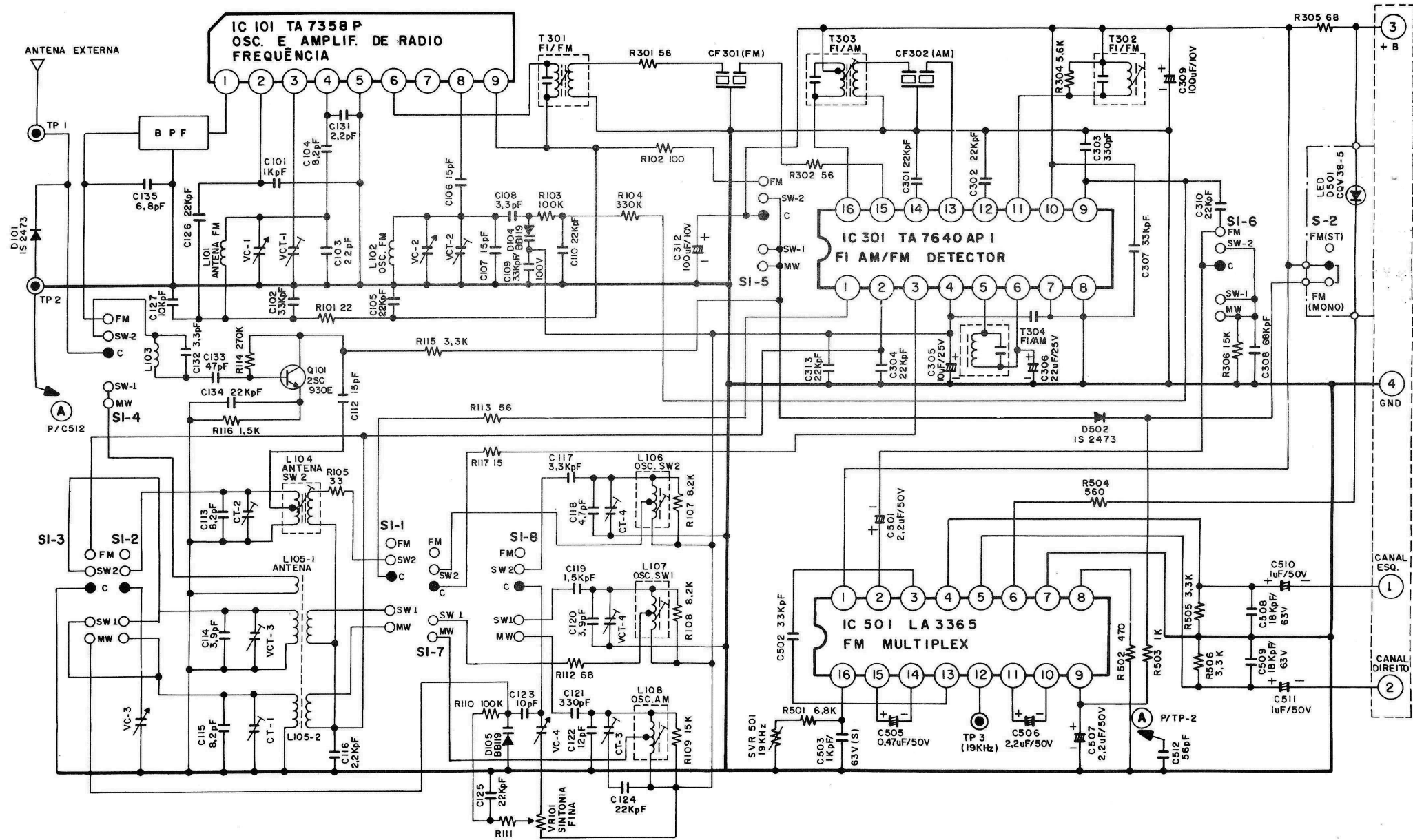


SANVO

ESQUEMAS ELÉTRICOS ÁUDIO VOL. 4



Posição	Q105 250 863 F	
chey, sel		
fape	NORMAL	METAL
B	0,58	0,45
C	3,5	6,5
E	0,18	0,54

OBS: Q105 é polarizado,
quando a teca REC

• acionado

1 4 2 3 IND. DE NIVEL DE SINAL P/ AM E FM															
	6	7	8	9	10	11	12	13	14	15	16				
RS	2,85	0	0	—	10,25	10,25	10,4	10,4	10,75	1,75	0,2				

parelho não sintonizado

Posição chave função	IC3 LA 3361								MULTIPLEX							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
F.M.	7,5	1,85	1,55	1,88	1,66	9,8	0	0,43	5	1,1	1,2	0,67	1,3	1,23	1,1	0,06
F.M.	4,75	1,85	1,55	1,9	1,67	10,0	0	0,43	0	1,05	1,17	0,97	1,3	1,17	1,17	0,8

Medição efetuada com aparelho não sintonizado

C30
G8pF/63V(M)

C31
G8pF/63V(M)

R14 ISO

C35 2.2uF/50V L9 C26 3K30F/53V(M) R19 3K9

Posição CHAVE Função	IC 2 TA 7640 A-P																AMP. F.I. e DETECTOR																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
AM	1,42	1,45	2,2	2,2	0,8	0,77	0	0	1,25	6,0	6,0	1,25	1,23	1,3	1,25	6,0	1,42	1,45	2,2	2,2	0,8	0,77	0	0	1,25	6,0	6,0	1,25	1,23	1,3	1,25	6,0	
FM	0	0	2,27	2,25	0,75	0,75	0,5	0	0	1,35	5,5	5,5	1,27	1,23	1,27	5,6	0	0	2,27	2,25	0,75	0,75	0,5	0	0	1,35	5,5	5,5	1,27	1,23	1,27	5,6	
Medição efetuada com aparelho não sintonizado																																	

C8
10Kpf/63V(M)

Q1
2SC930 DI

CF-3 MW CF-2 FM R7 330 R5 12K

IC 1 TA 7335 AMP. RF DE FM									
1	2	3	4	5	6	7	8	9	
4,75	5,5	5,5	5,5	0	5,5	5,25	0	0	

Medição efetuada com aparelho não sintonizado

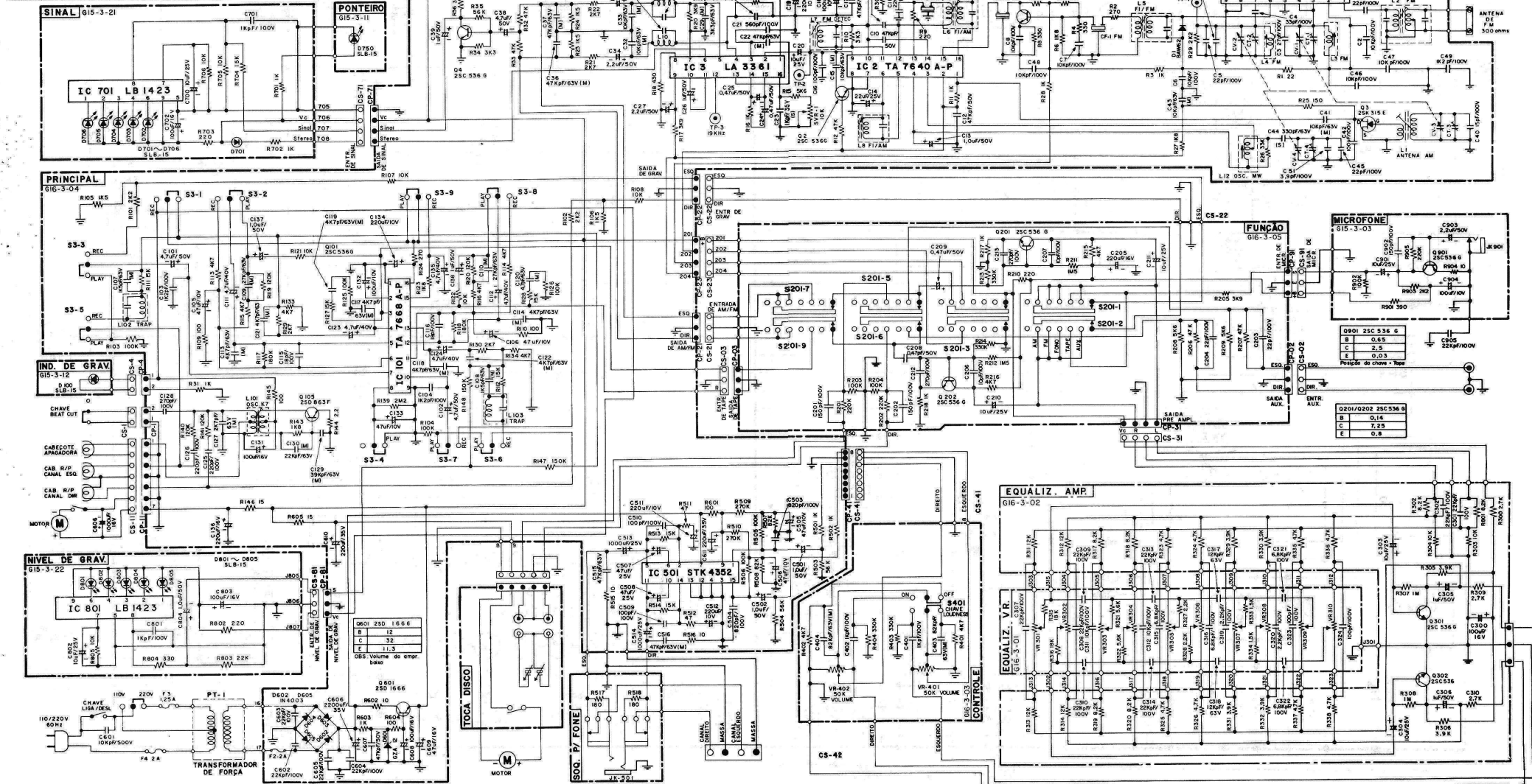
C50
2,2pF/100V

TP-1	IC1	TA
------	-----	----

Q1	25C	930	O1	Q2	25C	536	G	Q4	25C	536	G	Q3	25K	315	E
		FM			AM	FM			AM	FM				AM	
B		1,0		0,43		0			0,65			G		0	
C		7,4		0		0			2,3			S		0	
E		0,59		0		0			0			O		5,25	

Não infortor etapas quando da medição

3 3 5
4 3 3 1 Cl 1 3 5 M

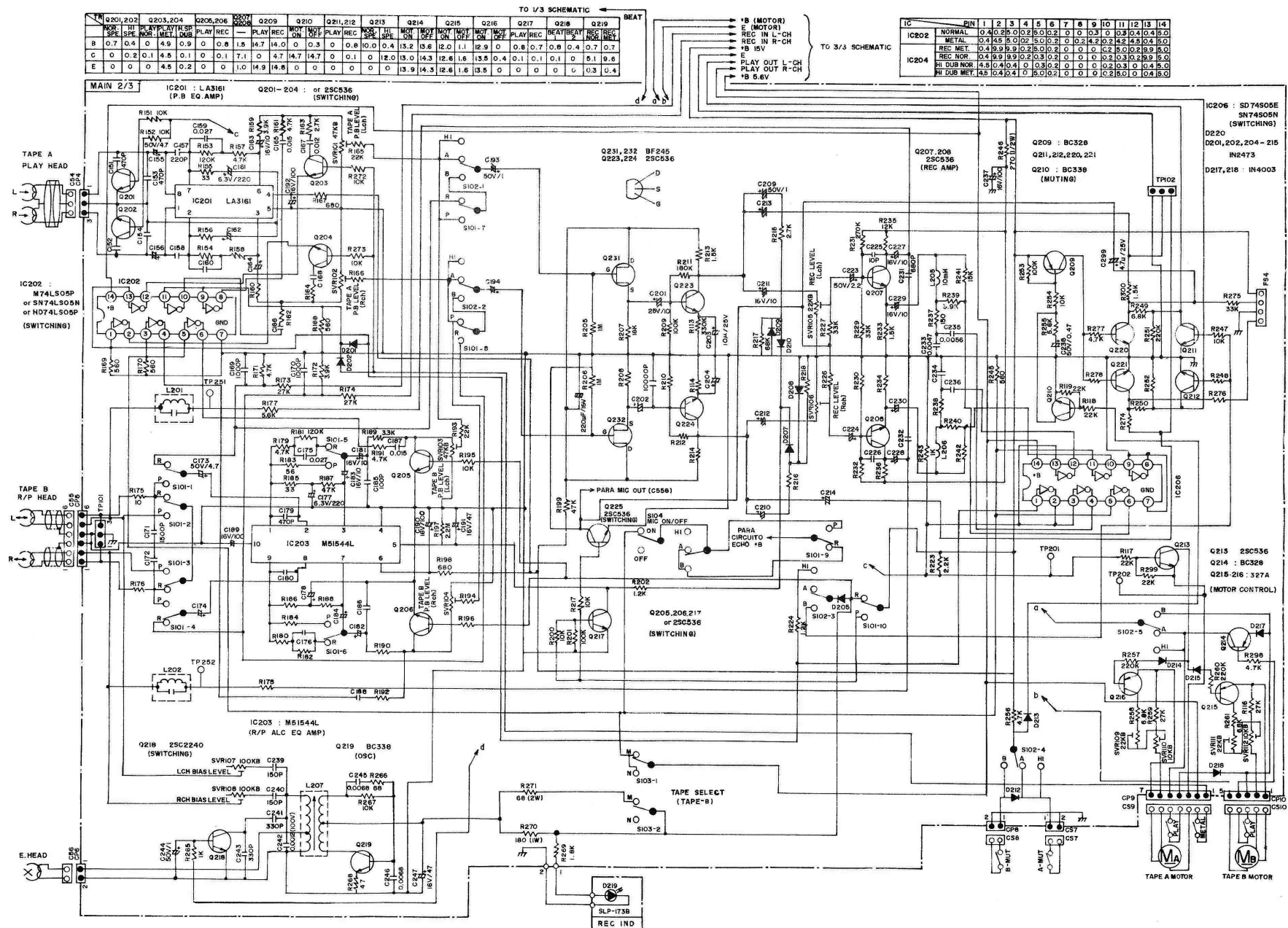


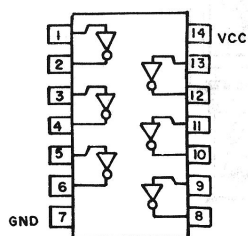
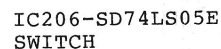
IC 801 LB 1423 INDICADOR DE NIVEL DE GRAVAÇÃO															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
0,65	0,03	0	11,5	2,8	2,8	0	0	—	9,75	9,74	10	10	10	1,35	0,34
Medição efetuada com Teclas GRAV E REPR acionadas chave de função na posição FM															

POSICÃO DA CHAVE	IC 101 TA 7668 A-P REPRODUÇÃO E GRAVAÇÃO															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
REPR.	0	8,25	0	3,4	1,3	1,2	0	0	0	0	1,22	1,3	3,25	0	0	9,5
GRAY.	0	8,25	0,01	3,4	1,27	1,2	0	0,72	0	0	1,2	1,27	3,27	0,01	3,25	9,5

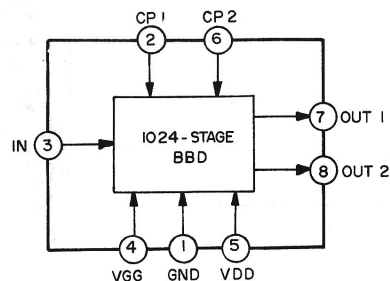
IC 501 STK 4352 AMP. DE POTÊNCIA														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
5,74	6,85	0	0	16,2	4,0	32,5	0	31,8	4,0	16,2	0	0	6,85	5,74

Q301/Q302 25C 536 G	
B	0.6
C	2.7
E	0

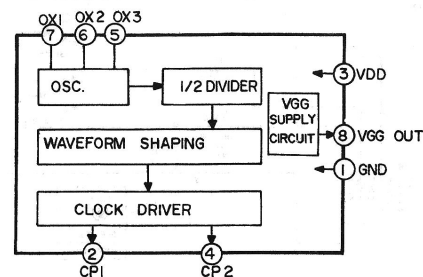




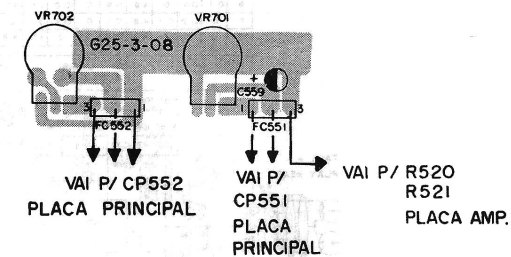
IC552-MN3007
ECHO



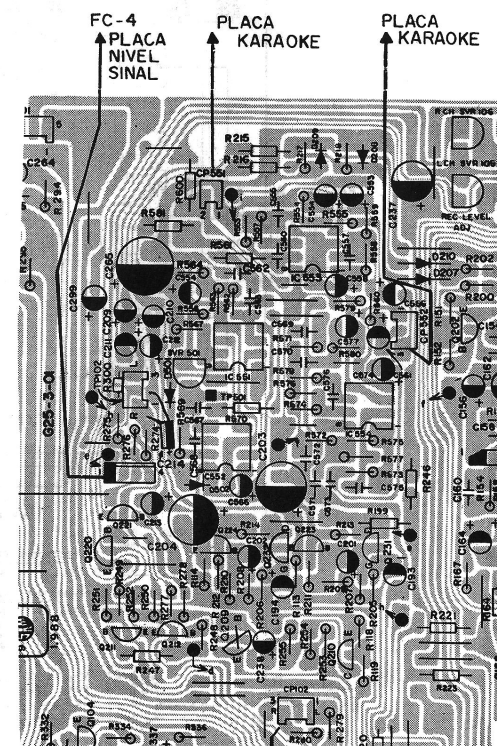
IC551-MN3101
OSCILADOR

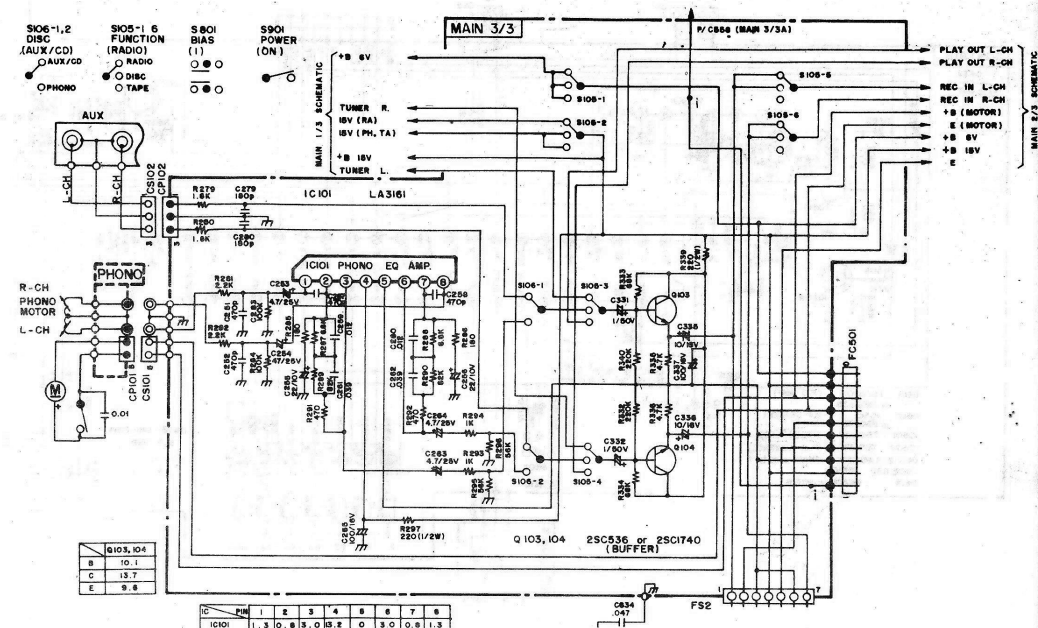
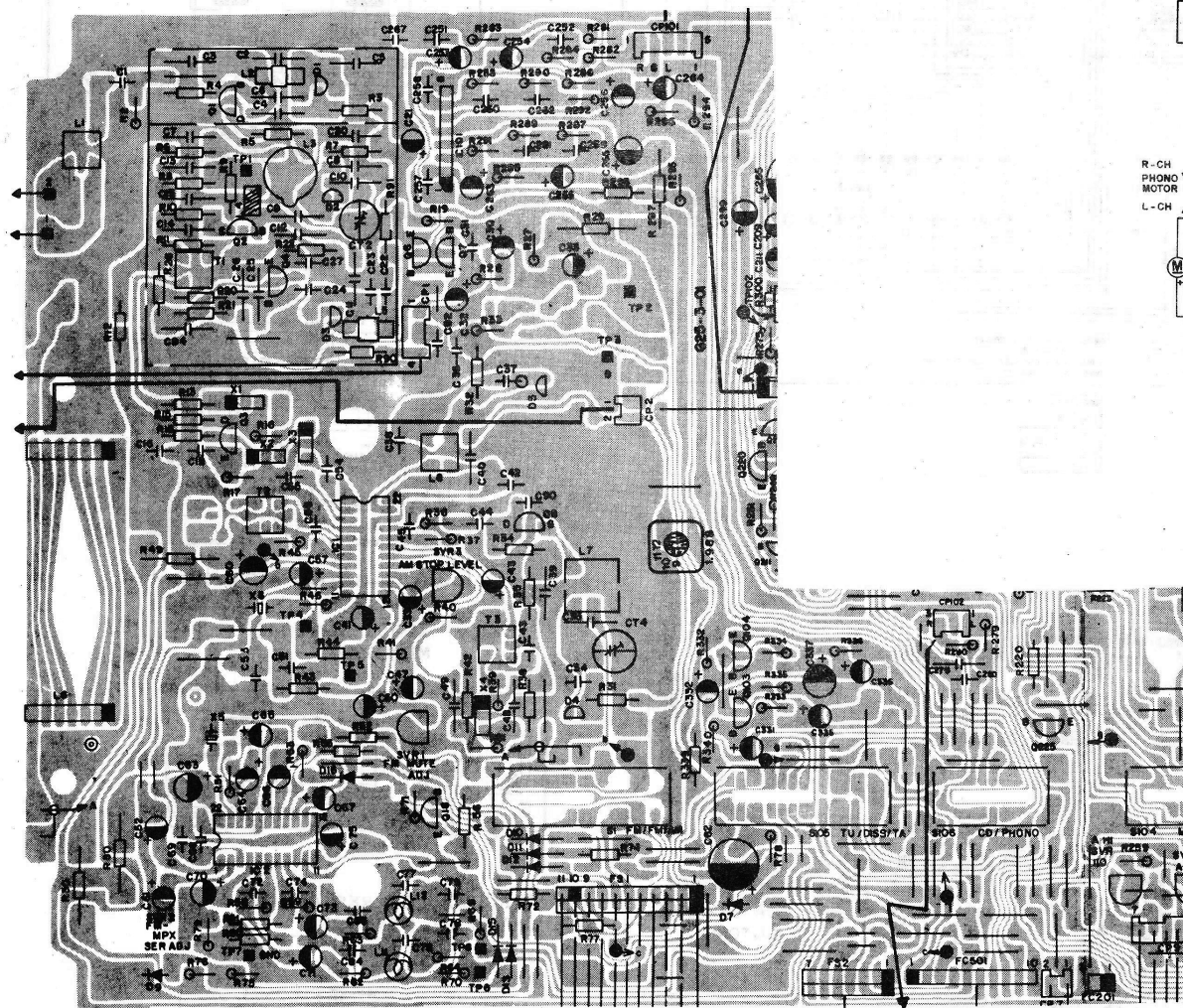


CIRCUITO IMPRESSO
KARAOKE



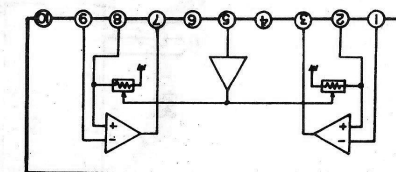
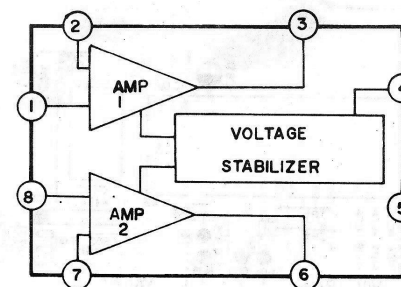
CIRCUITO IMPRESSO PRINCIPAL
(PARTE DO ECHO)





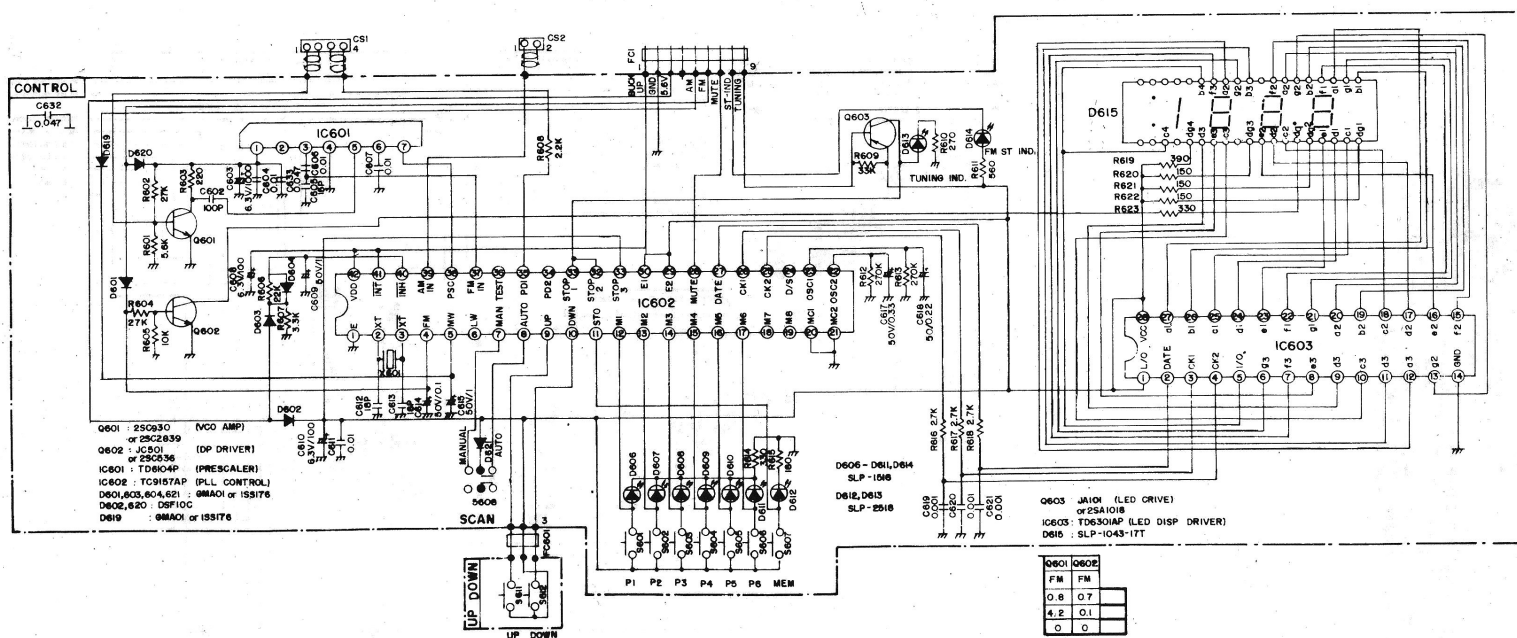
IC101-LA3161
AMP. OPERACIONAL

IC203-M51544L
AMP. EQ. ALC R/P

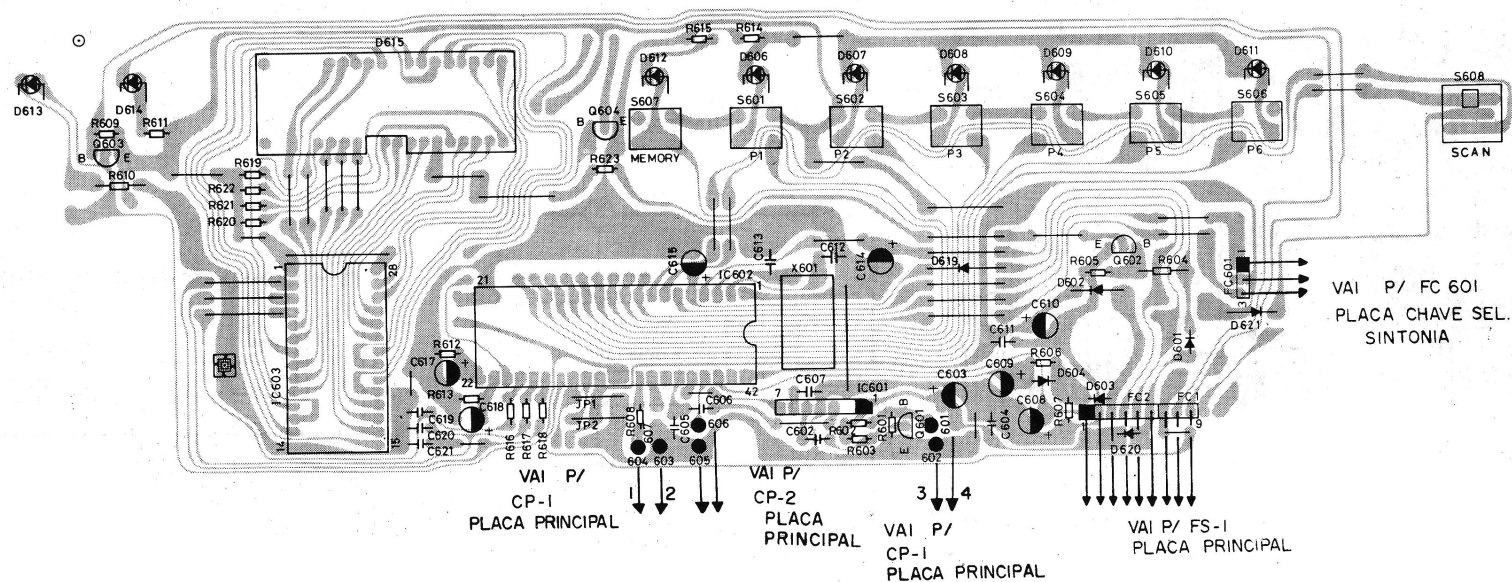


GXT - 255 - CONJUNTO MUSICAL ESTÉREO 2 DECKS

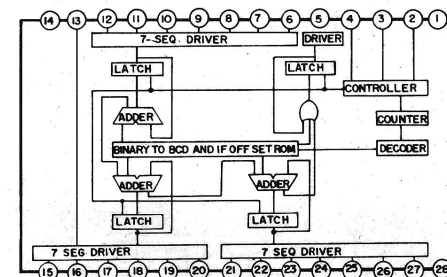
DIAGRAMA ESQUEMATICO (CONTROLE)



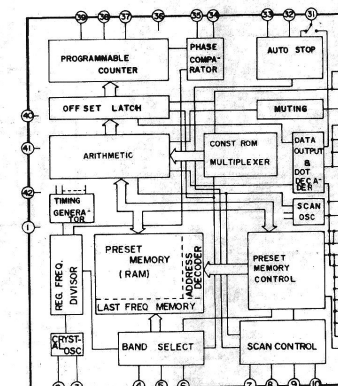
CIRCUITO IMPRESSO CONTROLE



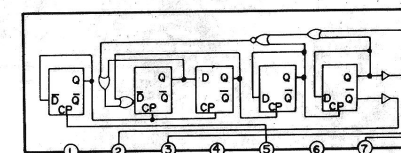
IC603-TD6301AP
 DRIVE DO DISPLAY



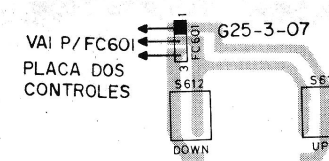
IC602-TC9157AP
 CONTROLE DE PLL



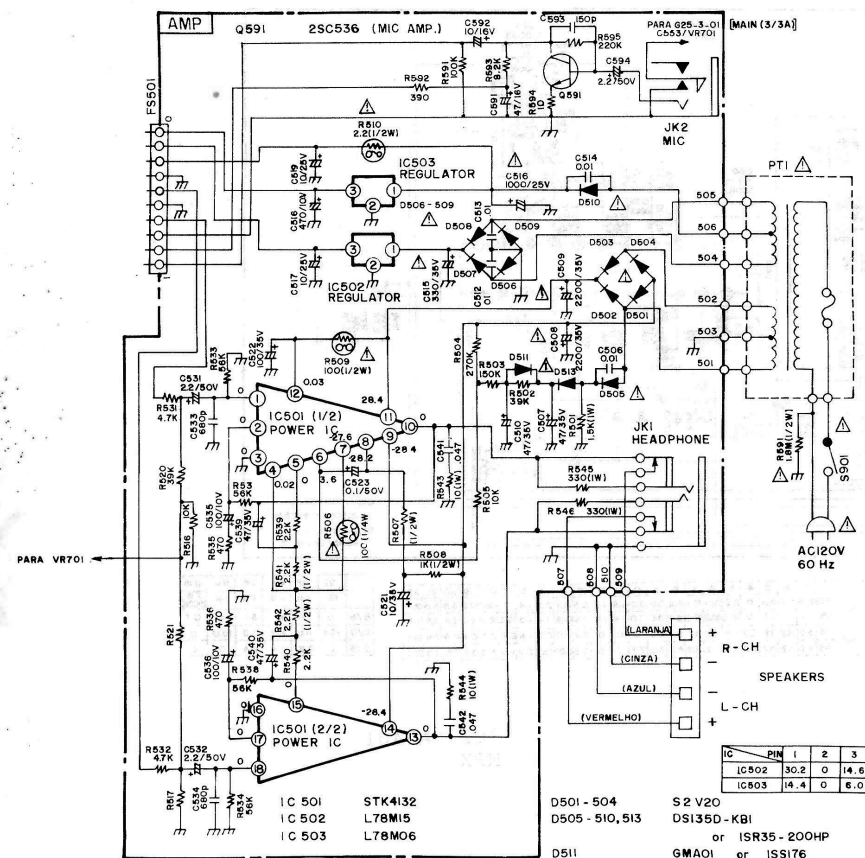
IC601-TD6104P
 MEMORIA



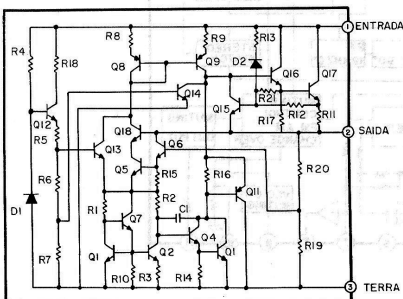
CIRCUITO IMPRESSO
 CHAVE DE SINTONIA



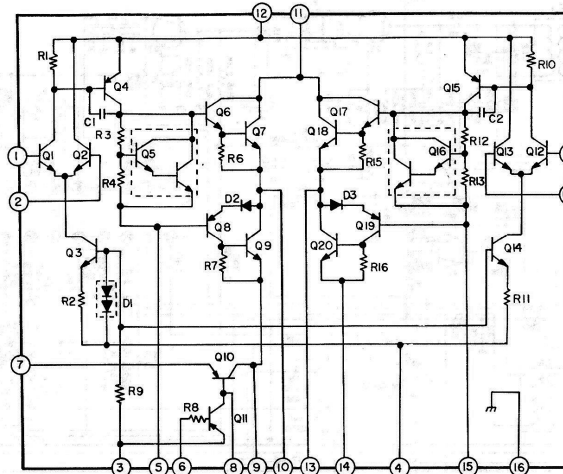
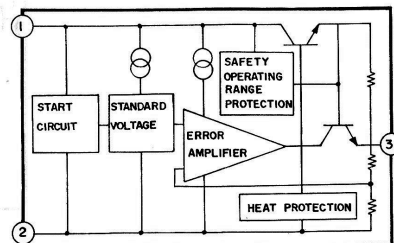
GXT - 255 - CONJUNTO MUSICAL ESTÉREO 2 DECKS



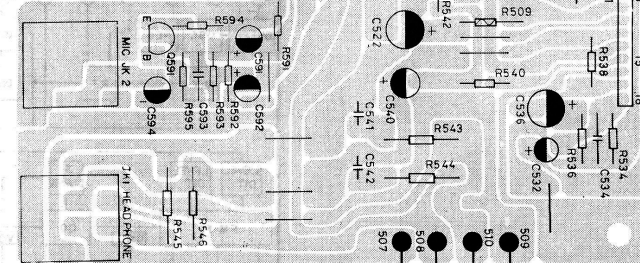
IC502-L78M15
REGULADOR

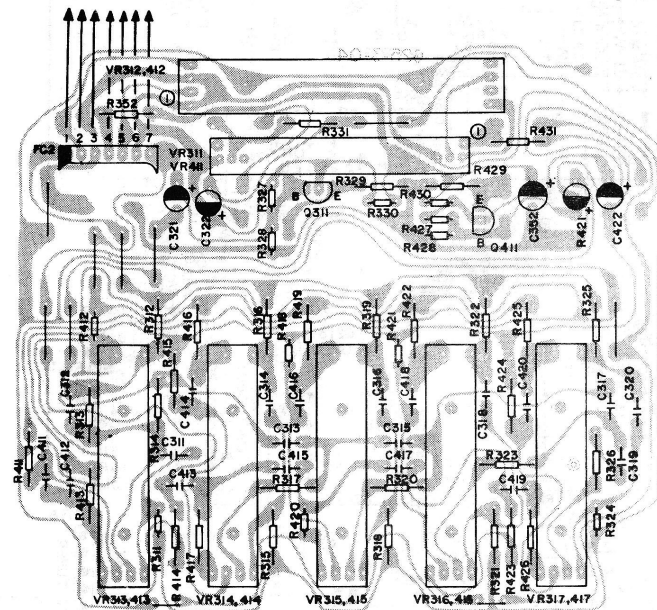


IC503-L78M06
REGULADOR



PLACA PRINCIPAL





IC801-LB1423N
INDICADOR DE NIVEL

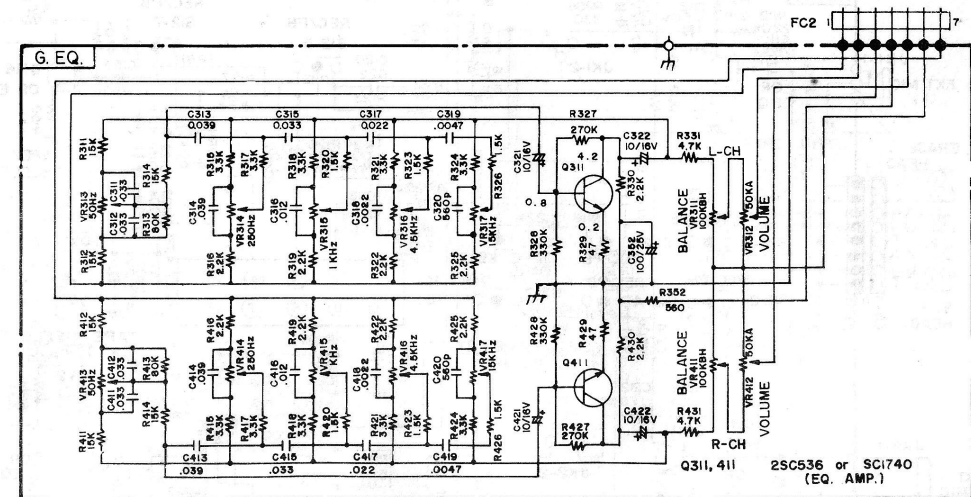
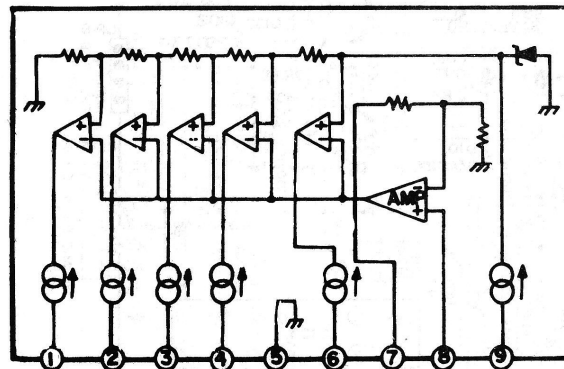
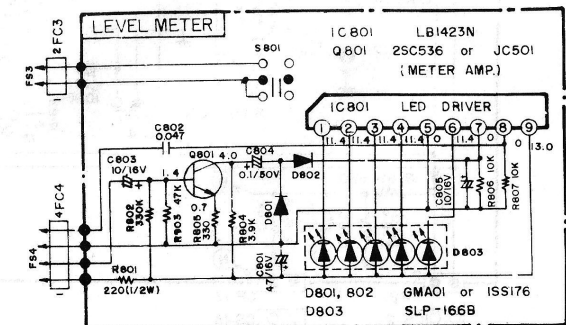
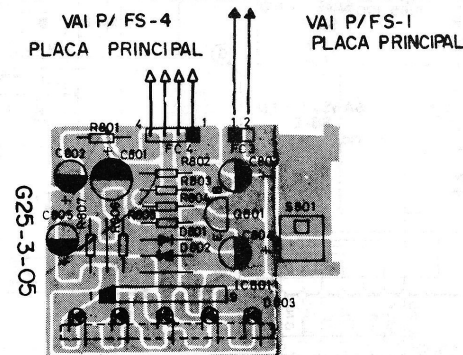
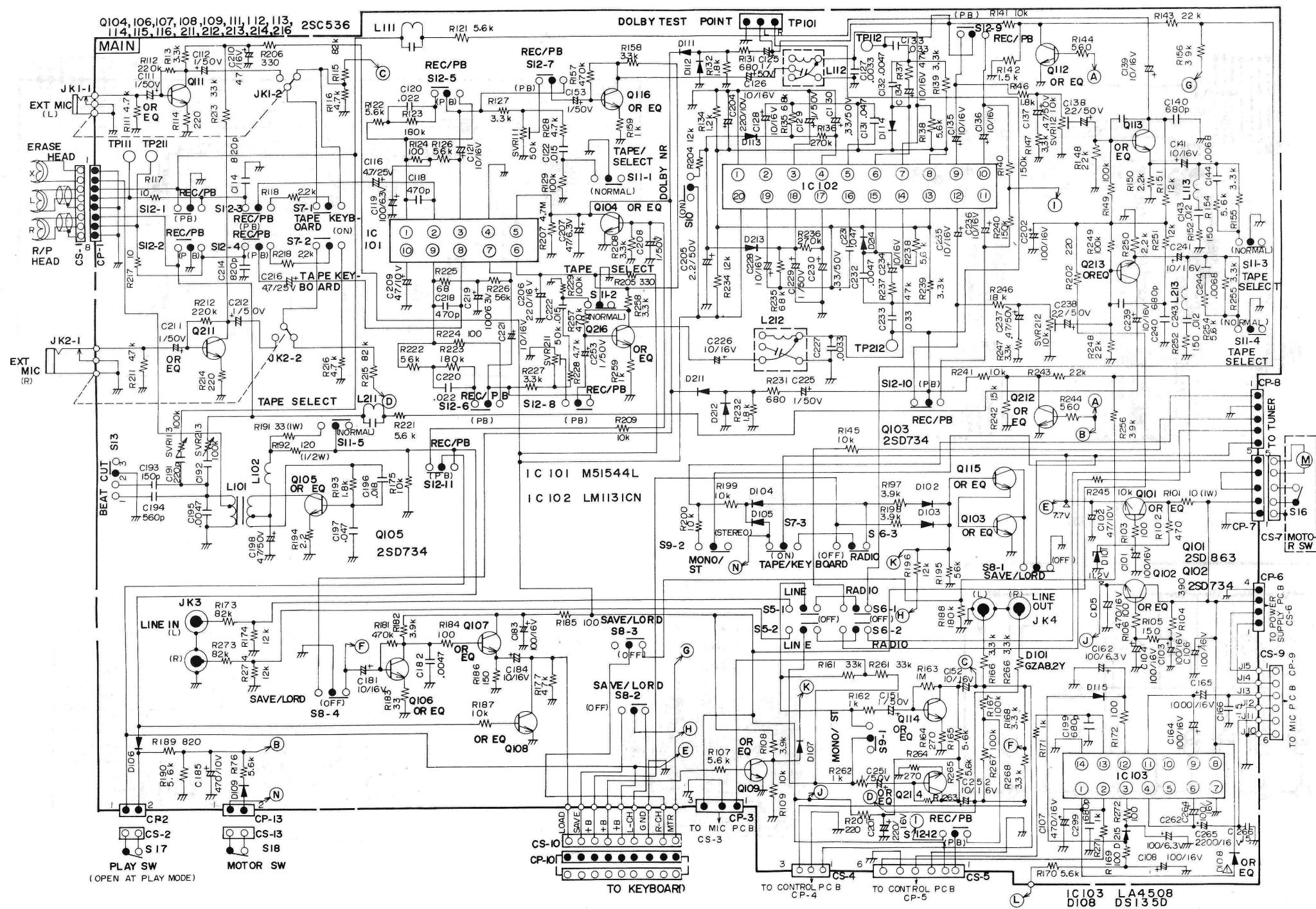
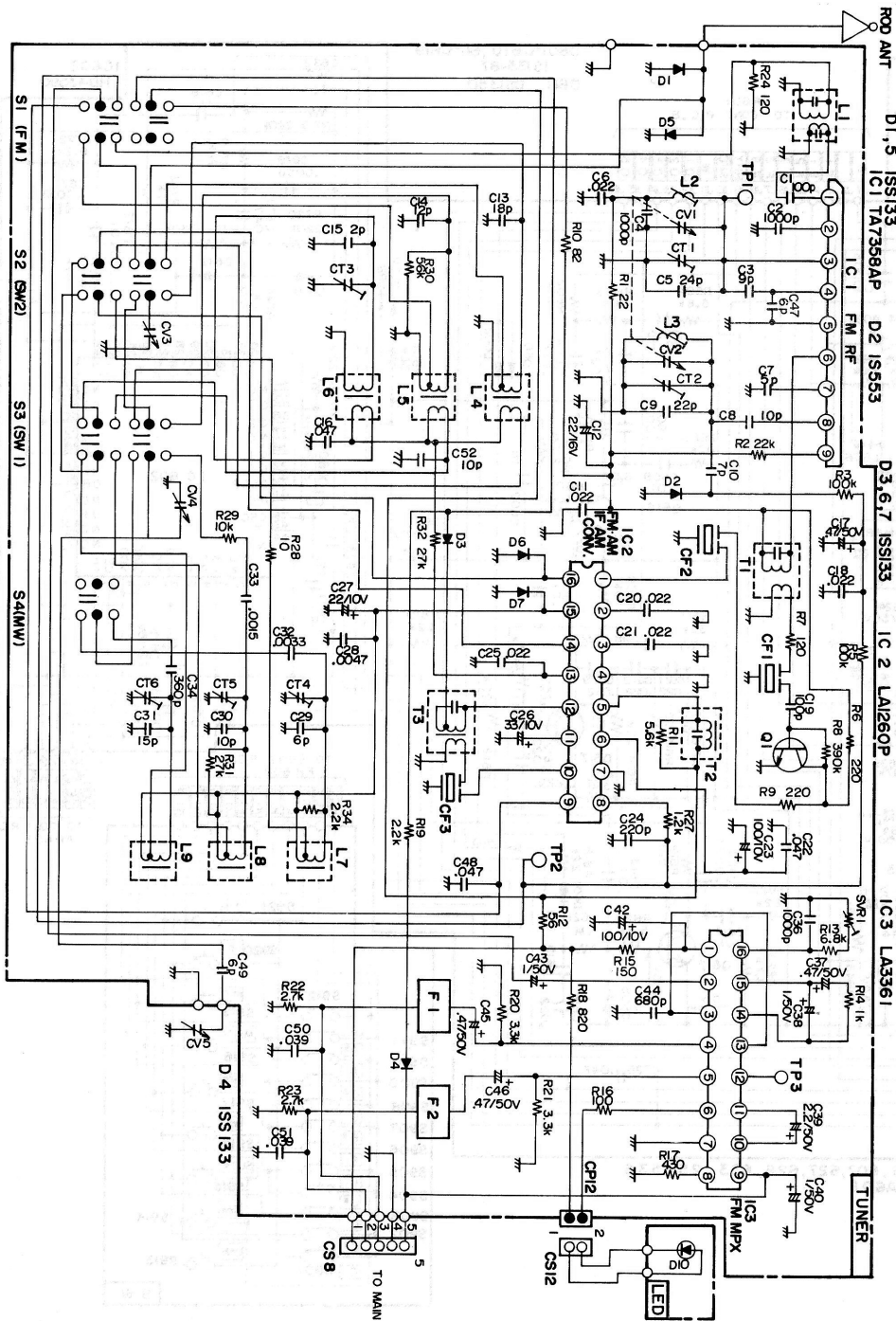


DIAGRAMA ESQUEMATICO
NIVEL DE SINAL _____

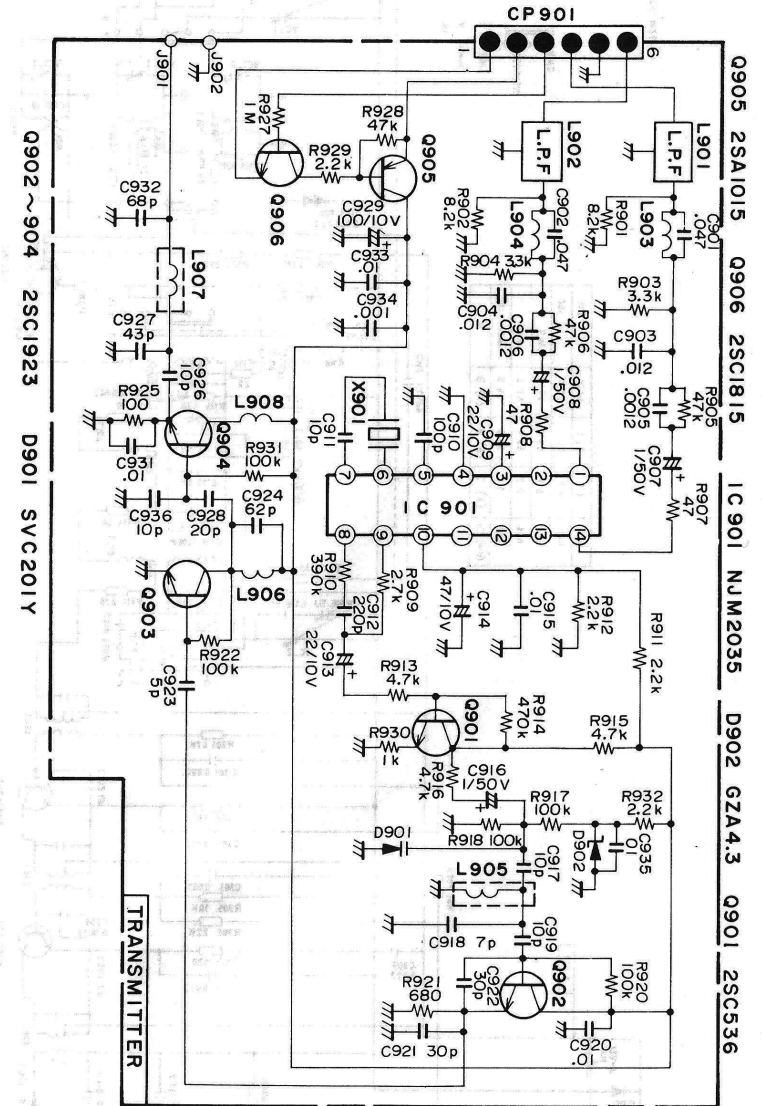
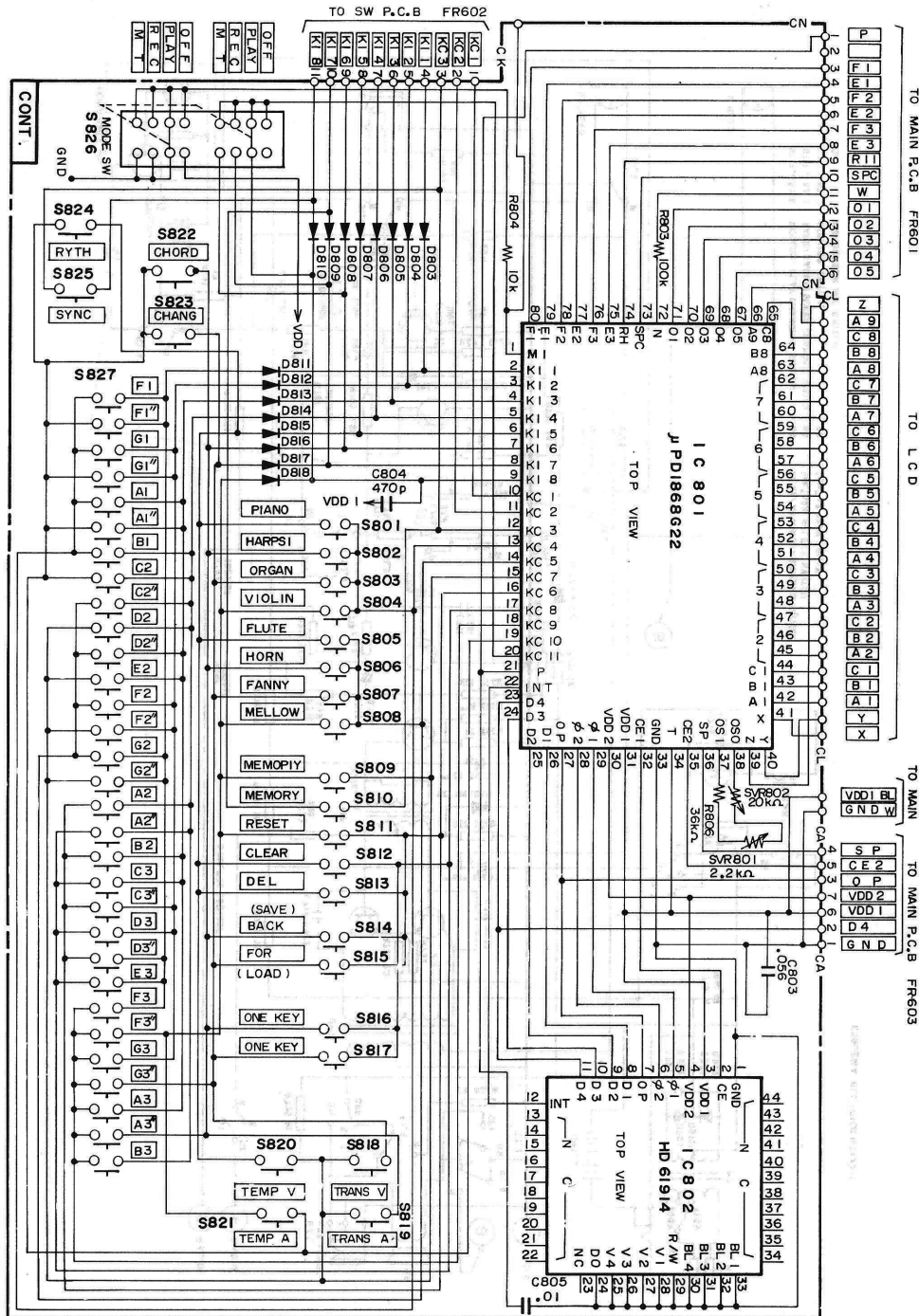


KBX - 7/PSP - 7 - ESTÉREO RÁDIO CASSETTE RECORDER SINTONIZADOR

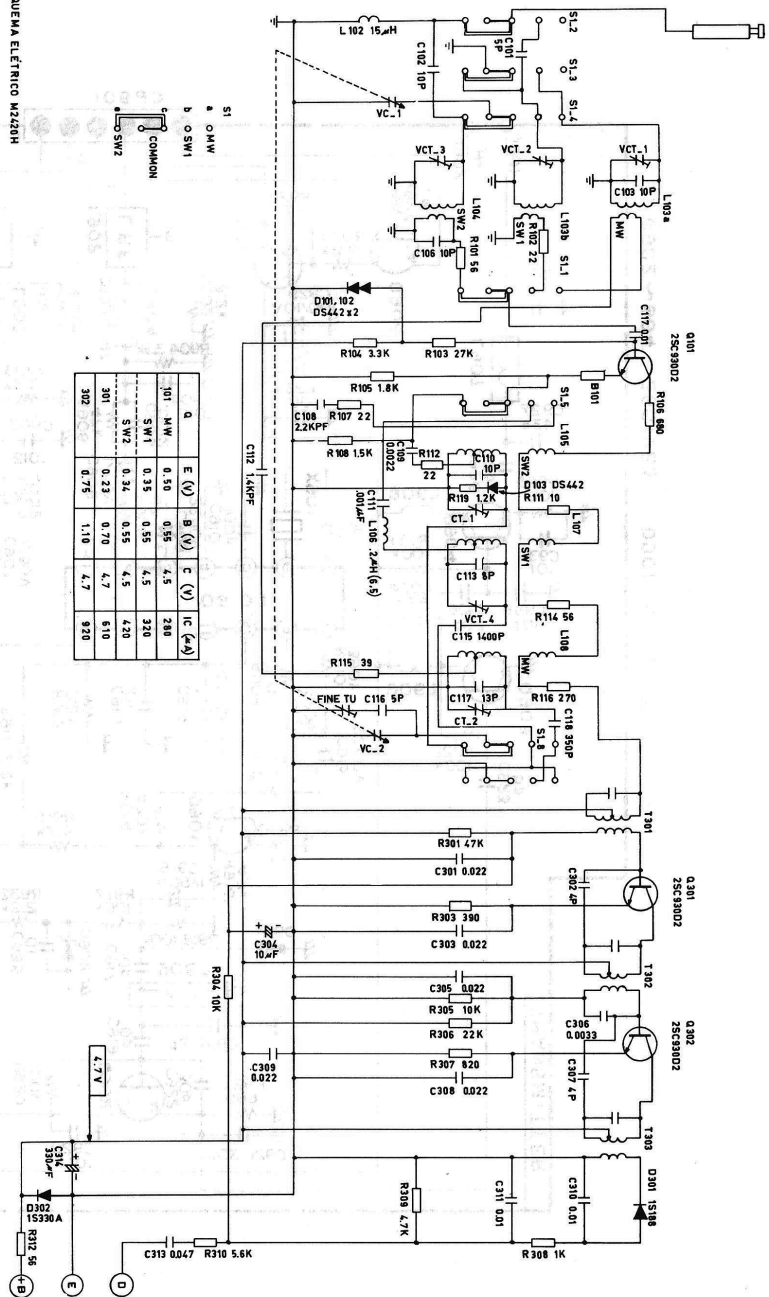




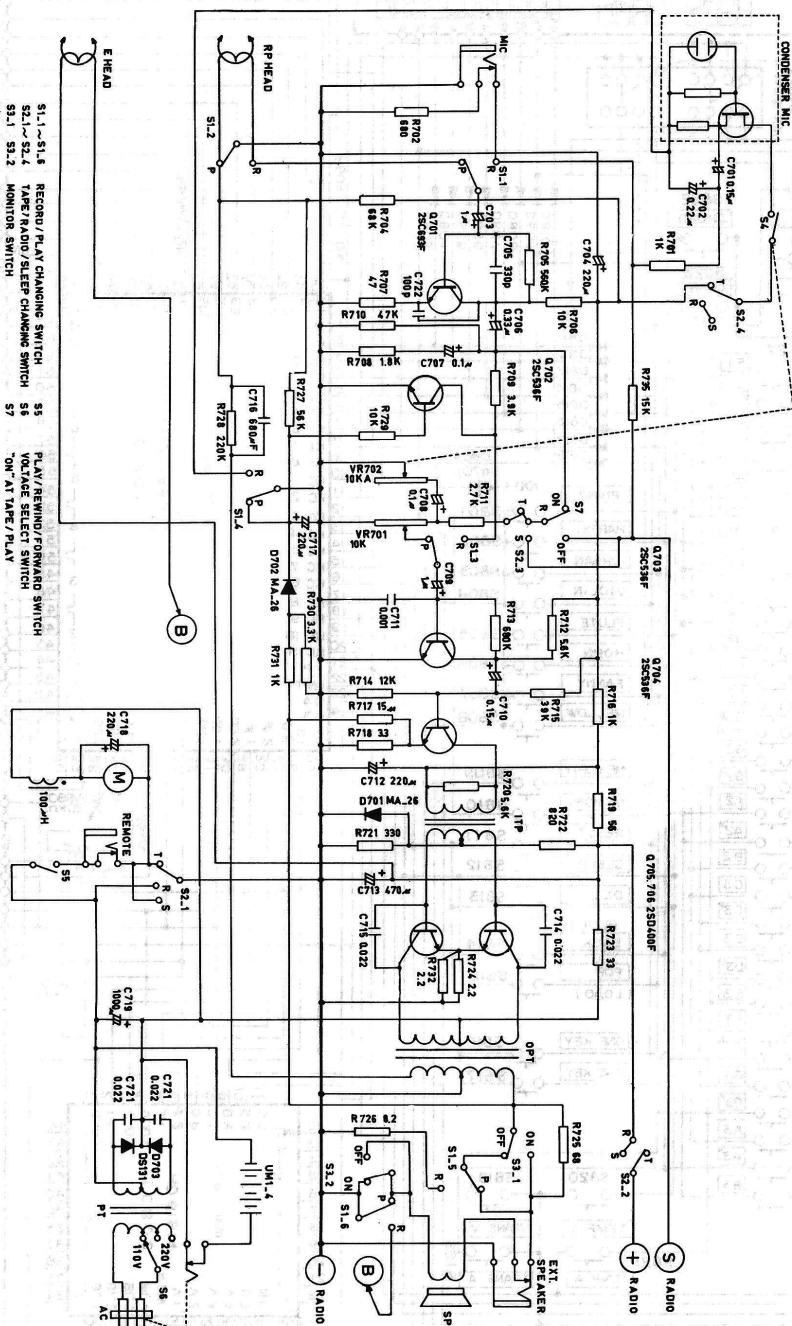


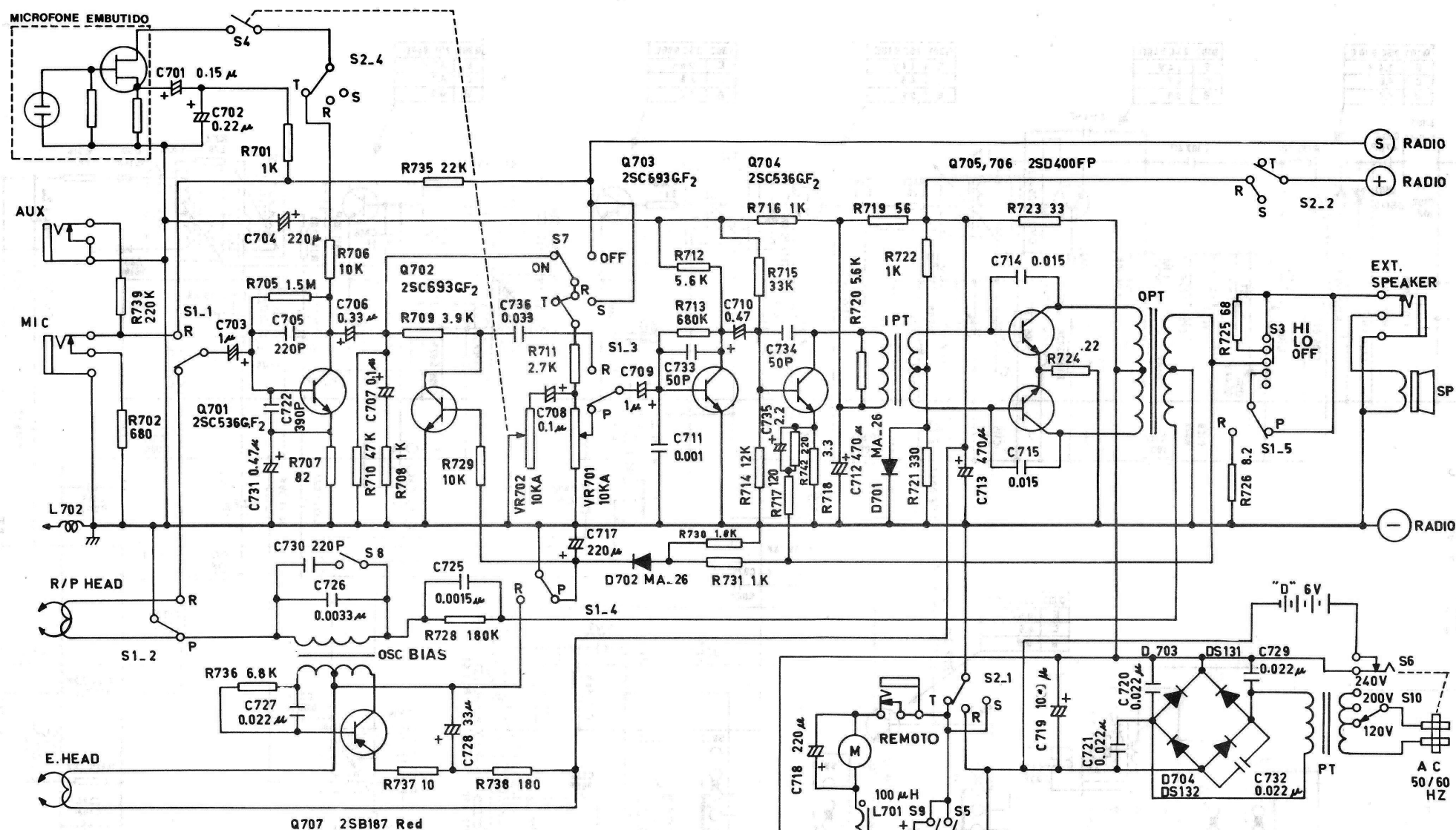


ESQUEMA ELÉTRICO M2420H



ESQUEMA ELÉTRICO M2420H





Q707 2SB187 Red

- S1.1 ~ S1.6 CHAVE COMUTADORA R / P
 S2.1 ~ S2.4 CHAVE COMUTADORA TAPE / RADIO / SLEEP
 S3 CHAVE DO MONITOR
 S4 CHAVE DO MICROFONE EMBUTIDO
 S5 CHAVE PLAY
 S6 CHAVE SELETORA AC / DC
 S7 CHAVE RADIO / TAPE
 S8 CHAVE DE BEAT CANAL
 S9 CHAVE REW / F.F.
 S10 CHAVE SELETORA DE VOLTAGEM

M2422N AMPLIFICADOR

Q701	
B	0,56 v
C	2,0 v
E	0,0 v

Q702	
B	0,46 v
C	0,0 v
E	0,0 v

Q703	
B	0,54 v
C	1,83 v
E	0,0 v

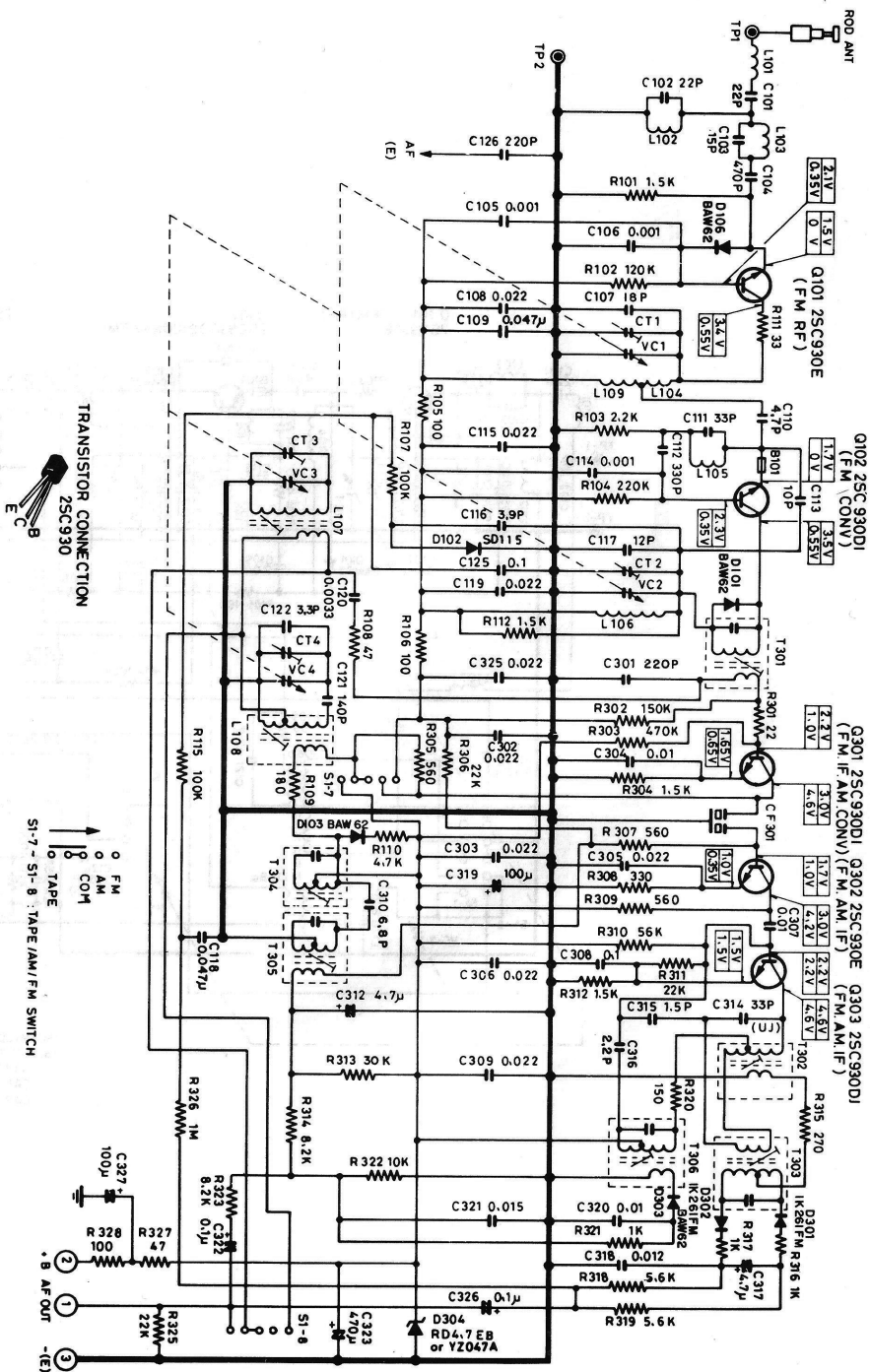
Q704	
B	0,64 v
C	3,2 v
E	0,0 v

Q705/6	
B	0,55 v
C	6,0 v
E	0,0 v

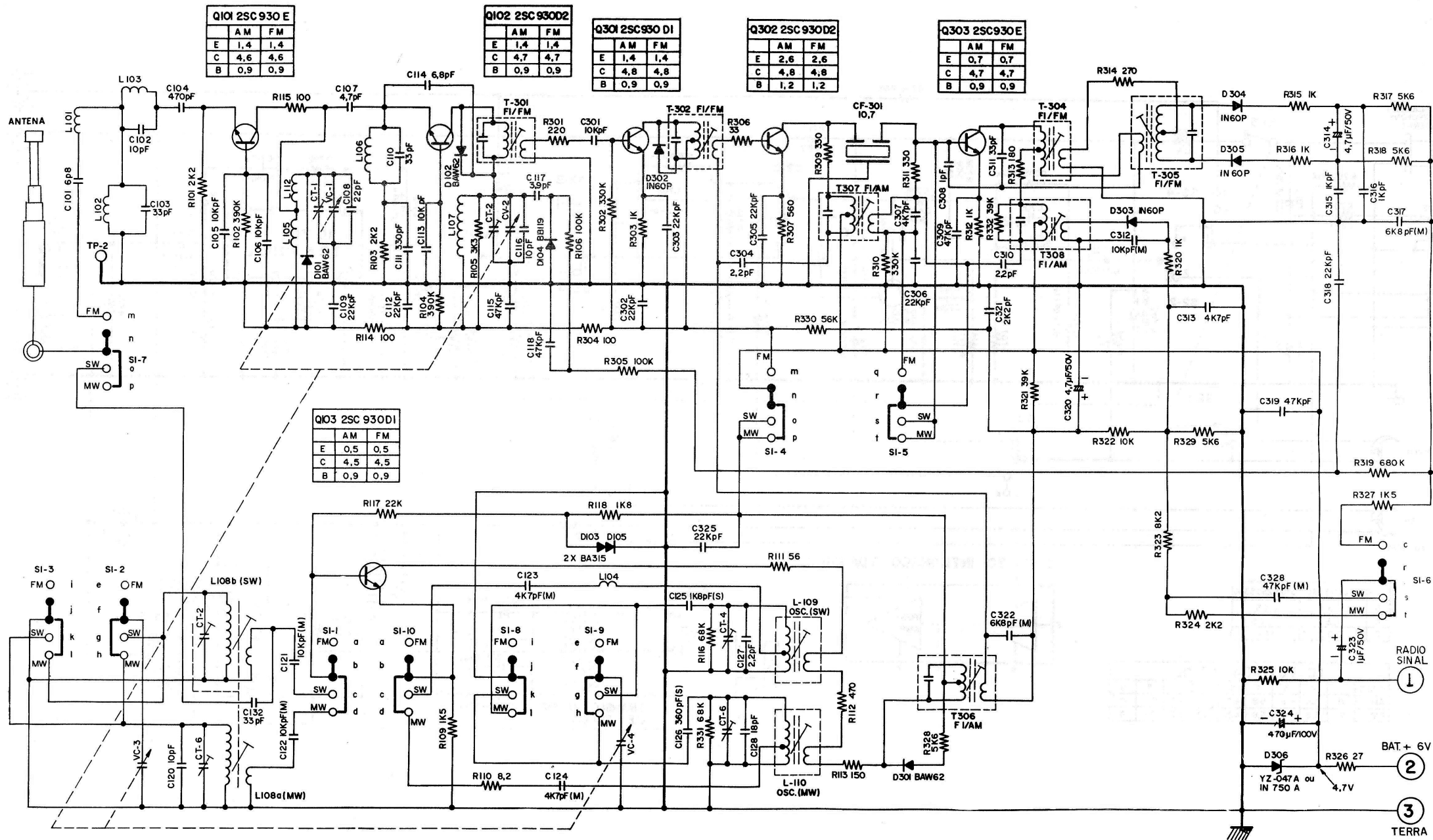
Q707	
B	0,3 v
C	0,29 v
E	0,34 v

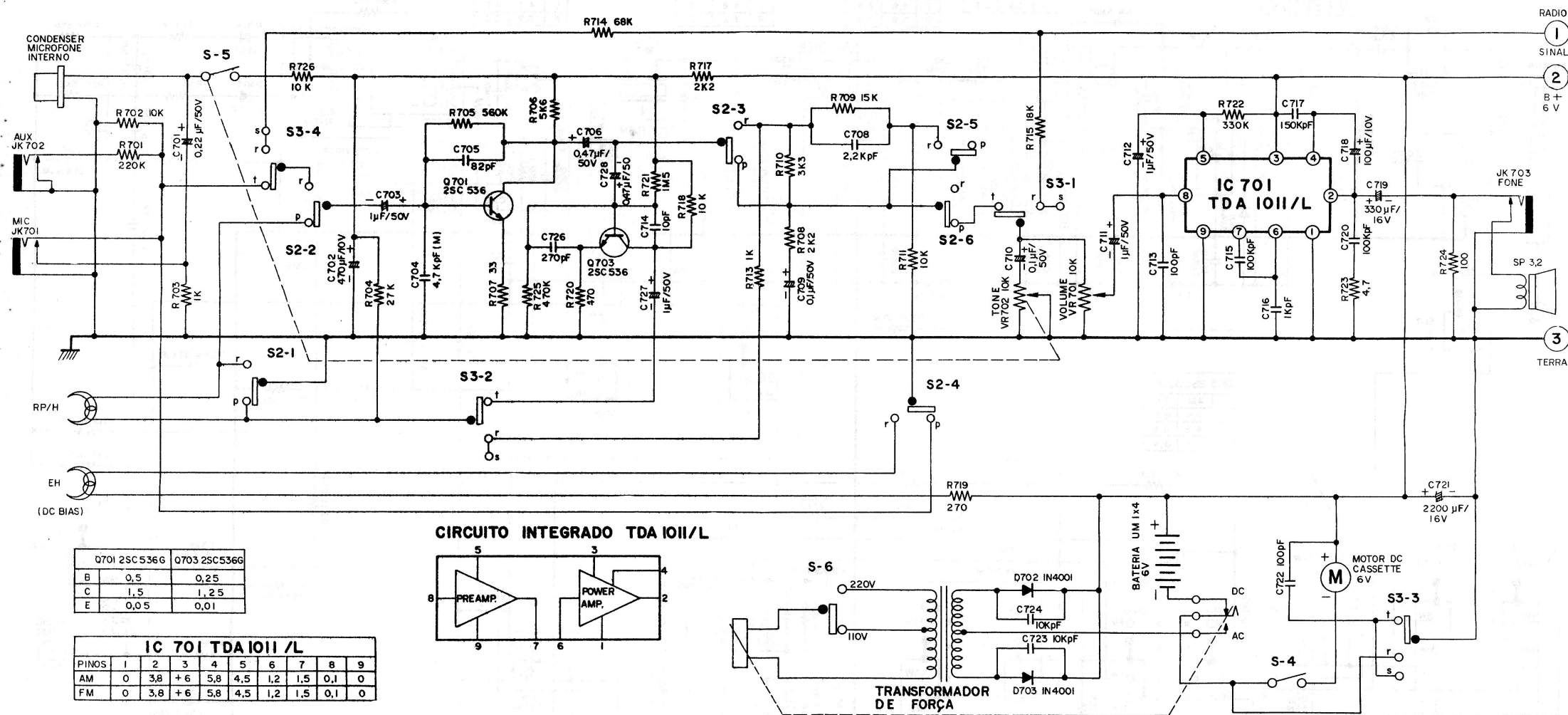
M2422N TUNER







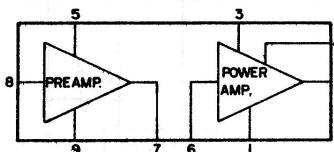


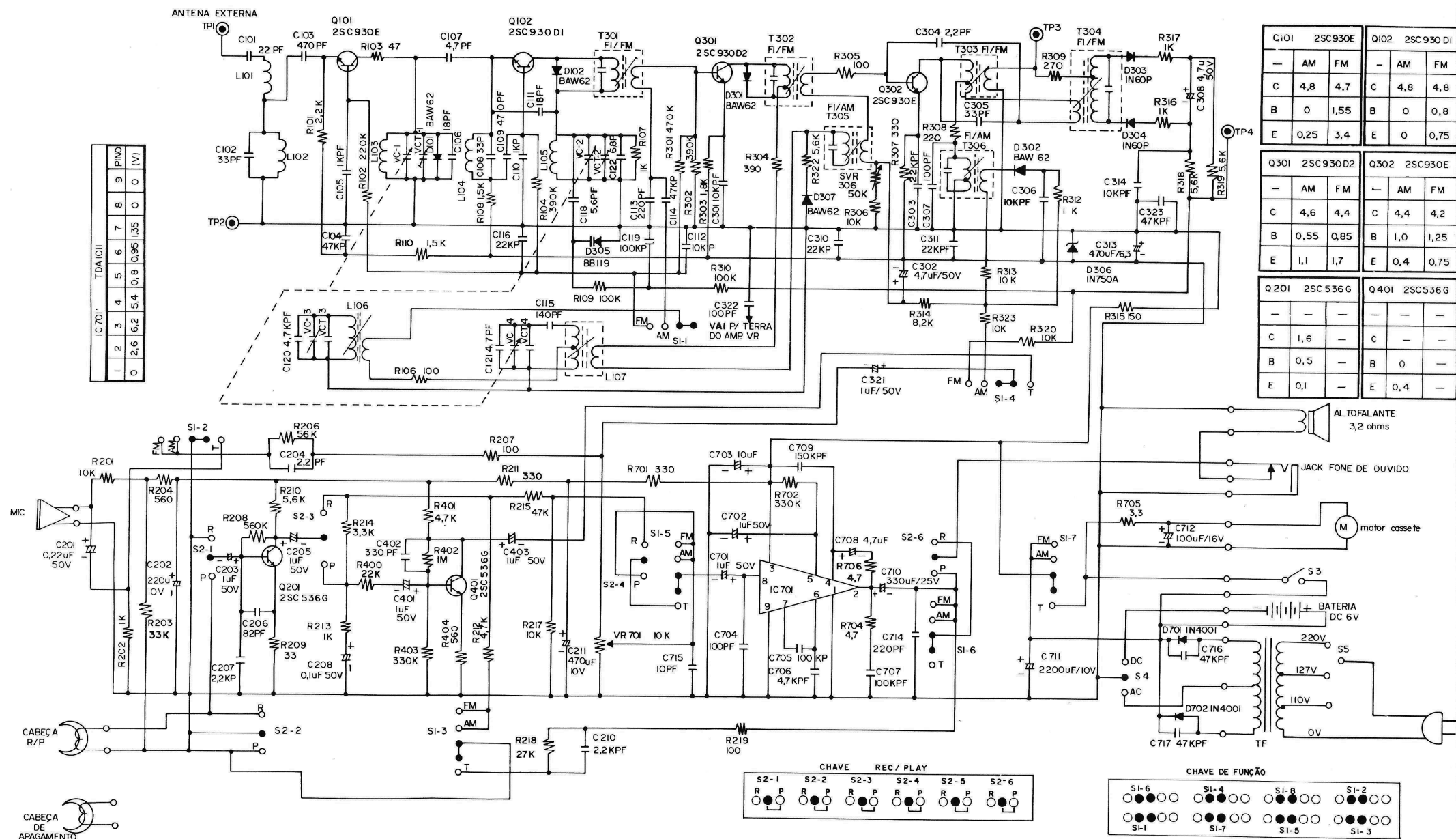


	Q701 2SC 5366	Q703 2SC 5366
B	0,5	0,25
C	1,5	1,25
E	0,05	0,01

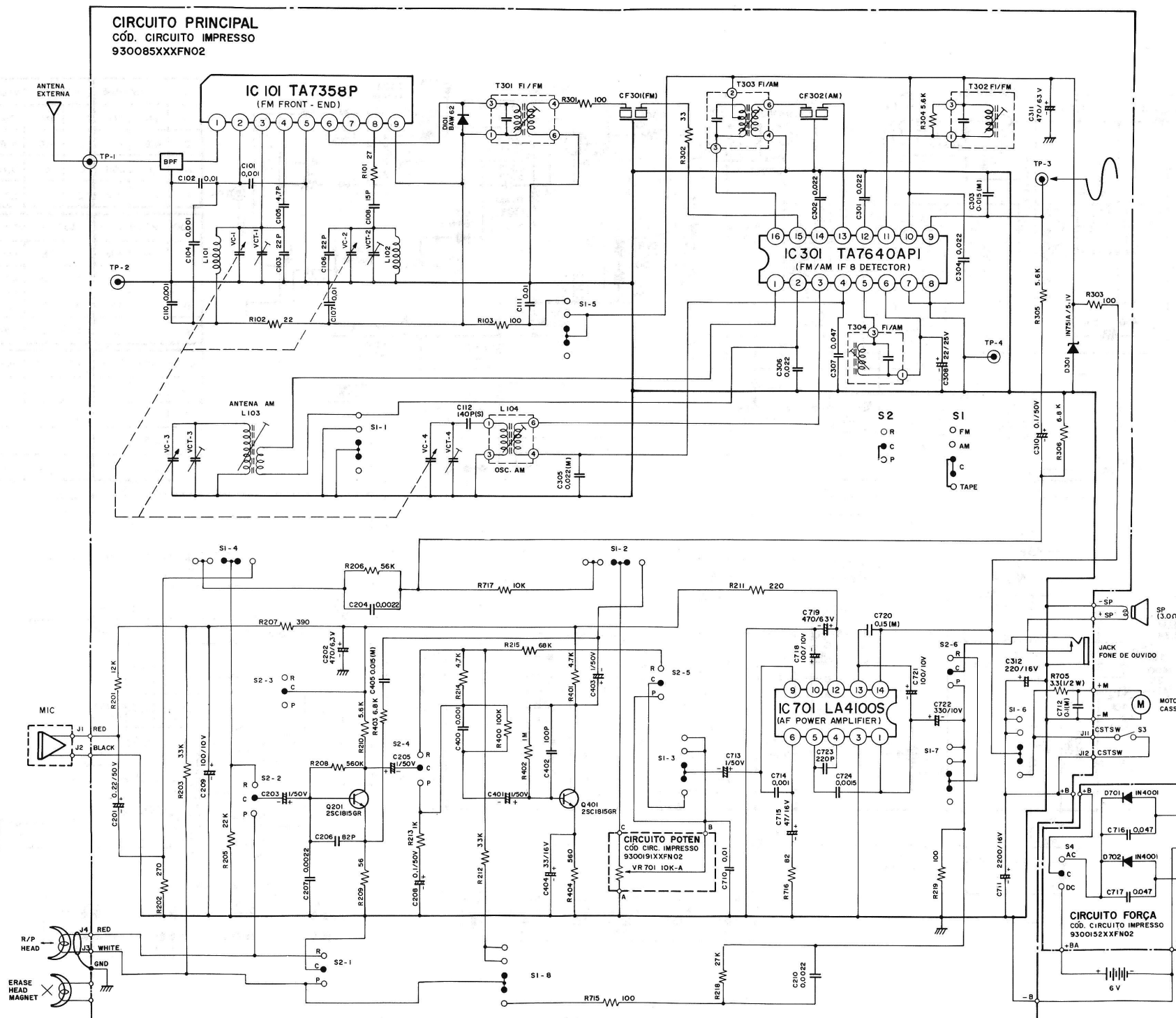
IC 701 TDA 1011/L									
PINOS	1	2	3	4	5	6	7	8	9
AM	0	3,8	+6	5,8	4,5	1,2	1,5	0,1	0
FM	0	3,8	+6	5,8	4,5	1,2	1,5	0,1	0

CIRCUITO INTEGRADO TDA 1011/L

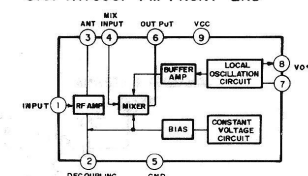




CIRCUITO PRINCIPAL
CÓD. CIRCUITO IMPRESSO
930085XXXFN02

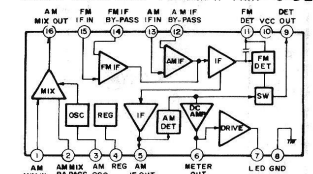


CIOI TA7358P FM FRONT END



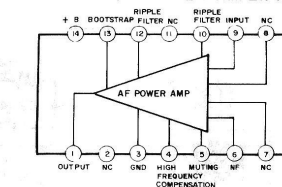
CIOI TA7358P								
PINO	1	2	3	4	5	6	7	8
FM	08	15	46	15	0	46	38	46
AM	0	0	0	0	0	0	0	0

IC301 TA7640AP FM/AM IF AMP & DETECTOR



IC301 TA7640AP															
PINO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
FM	0	0	2.3	2.3	0.8	0.8	0	0	1.5	5.1	5.1	1.4	1.4	1.4	1.4
AM	15	15	2.3	2.3	0.9	1.2	0	0	1.4	5.1	5.1	1.4	1.4	1.4	1.4

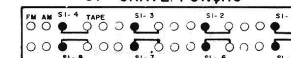
IC701 LA4100 POWER AMPLIFIER



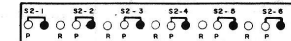
IC701 LA4100													
PINO	1	2	3	4	5	6	7	8	9	10	11	12	13
	40	0	0	52	08	40	0	34	40	40	0	79	82

	Q20I 2SC1815GR	Q40I 2SC1815GR
B	0.7	1.0
C	2.3	3.6
E	0	0.4

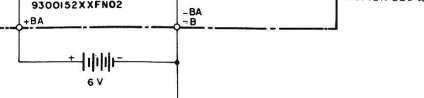
SI - CHAVE FUNÇÃO



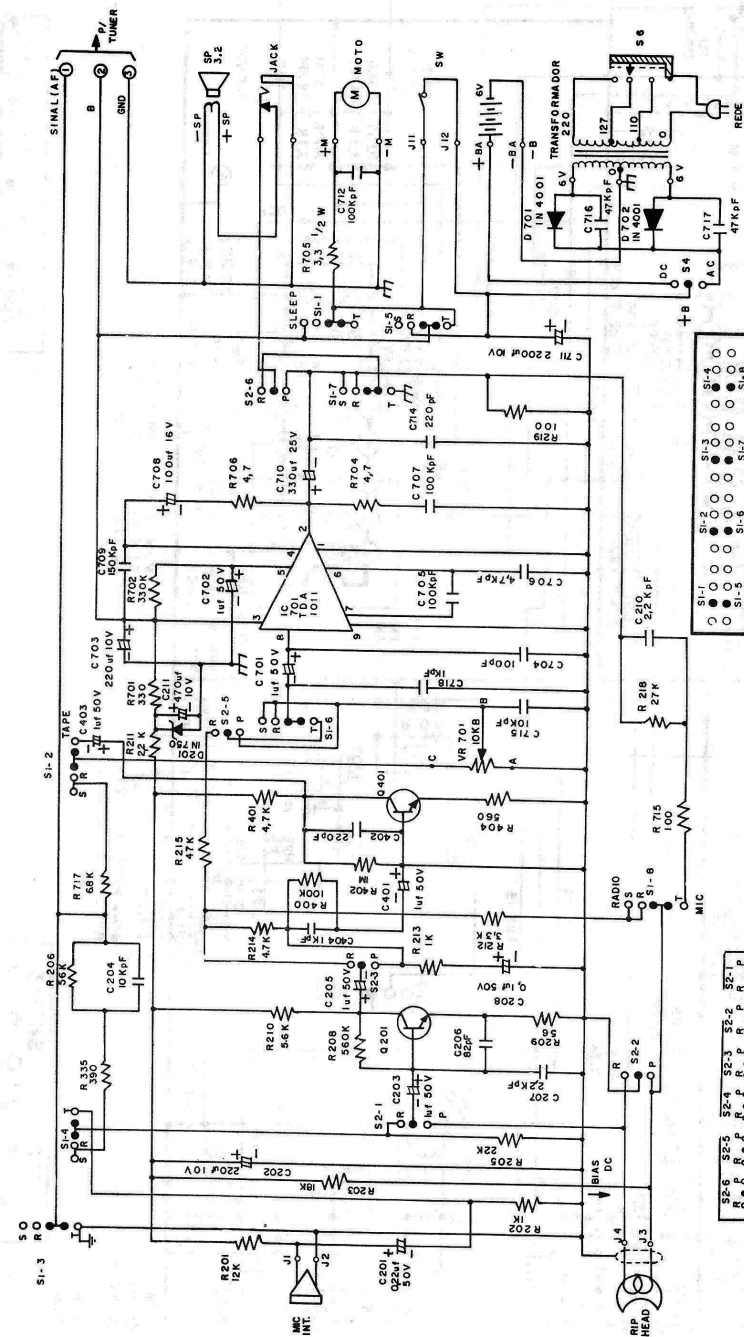
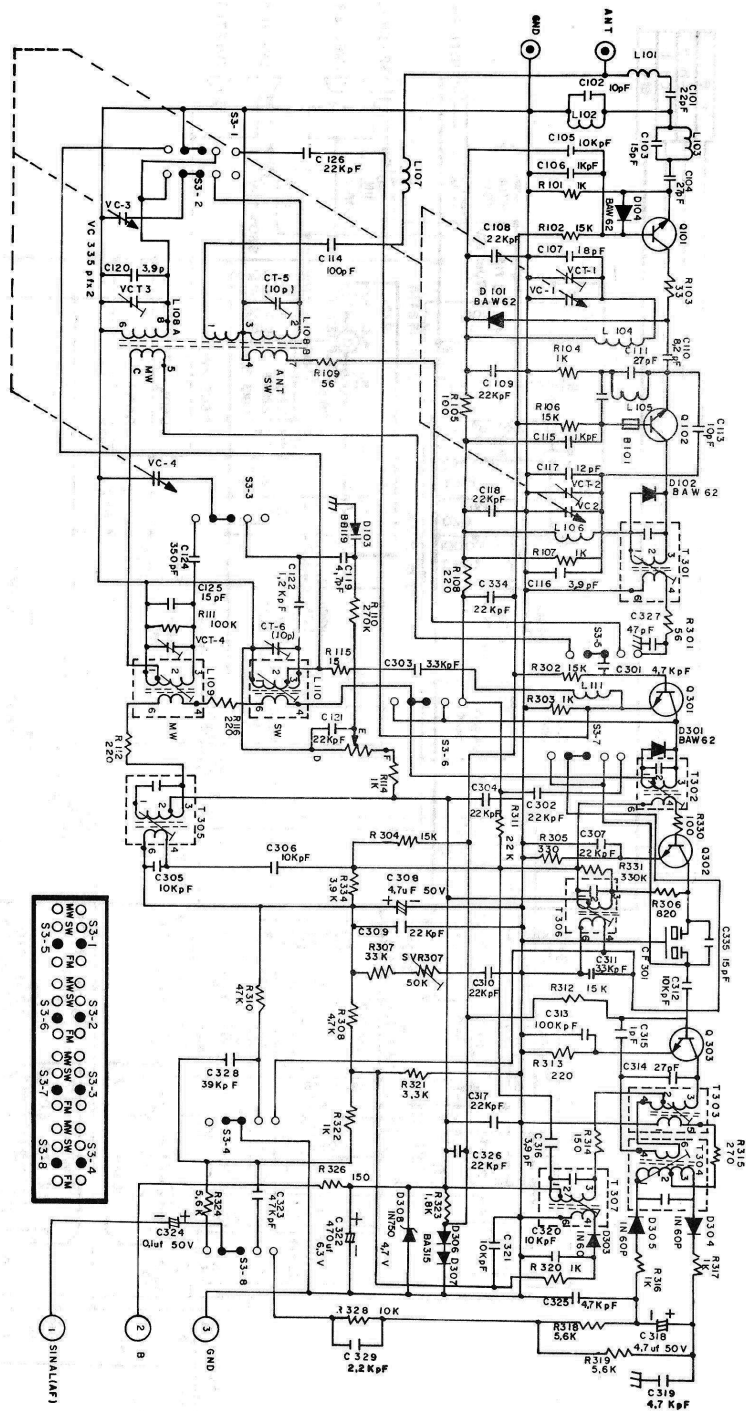
S2 - CHAVE REC/PLAY

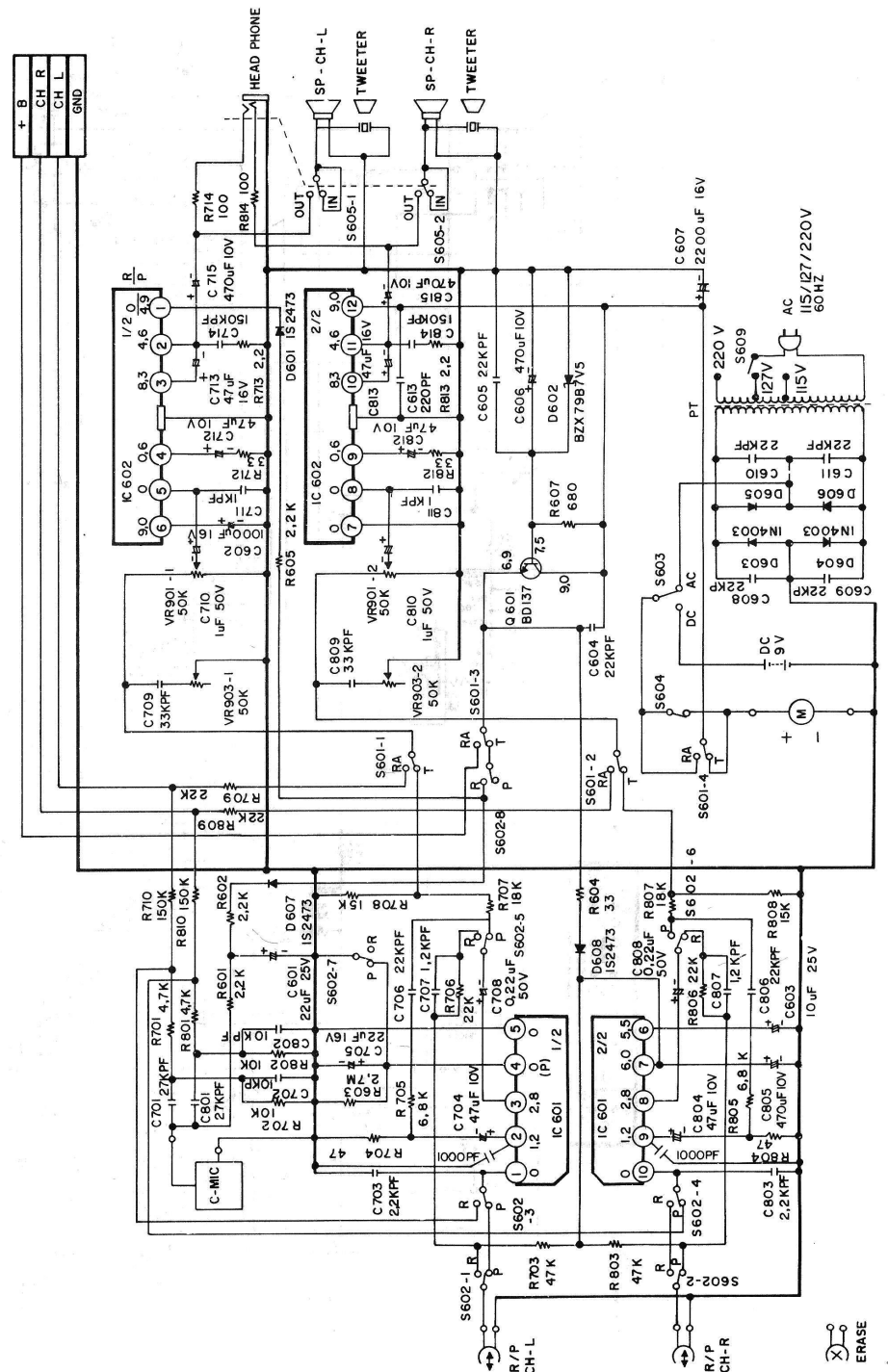
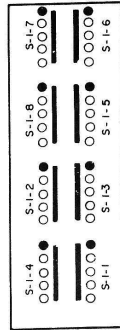
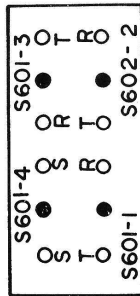
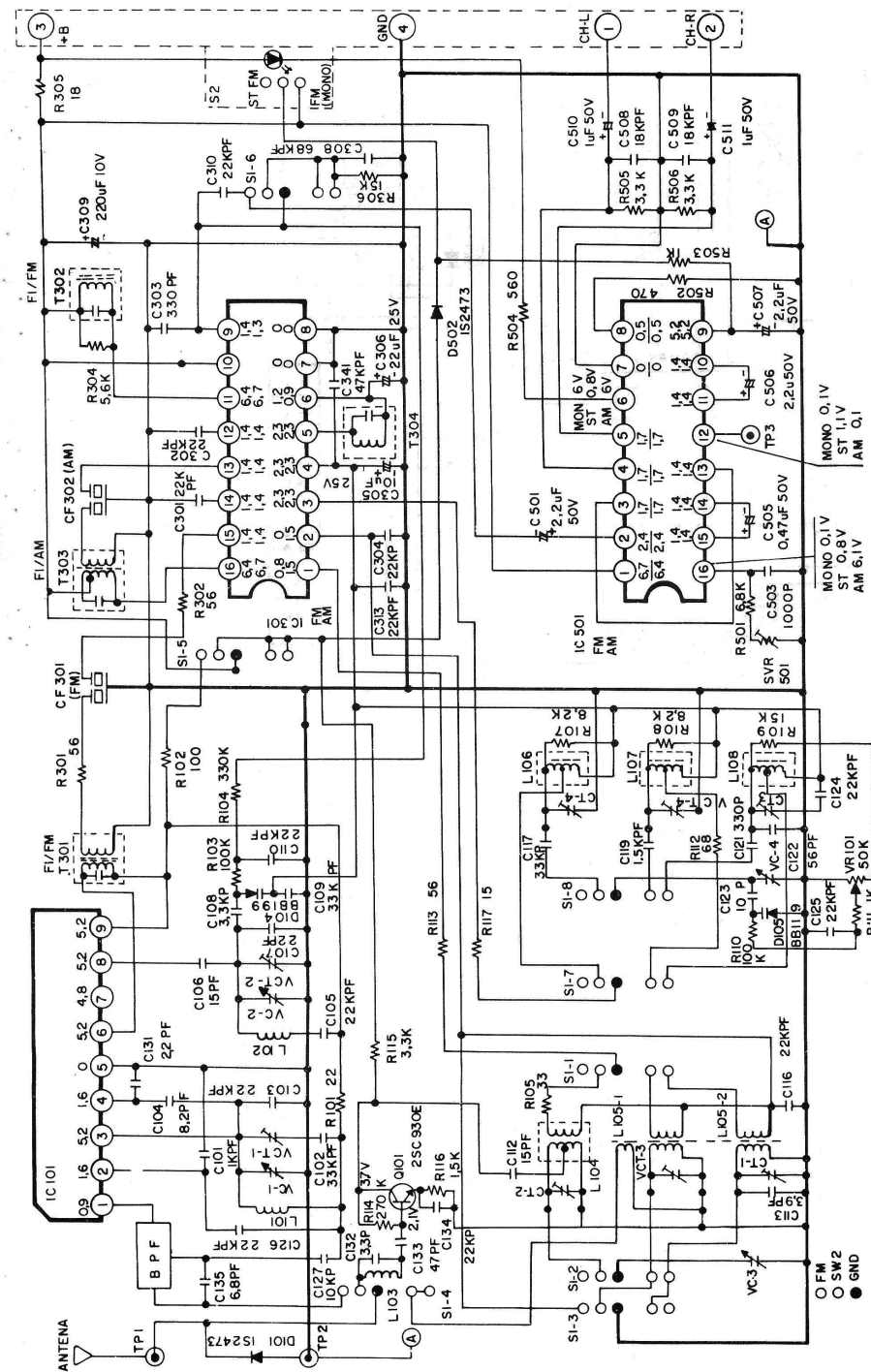


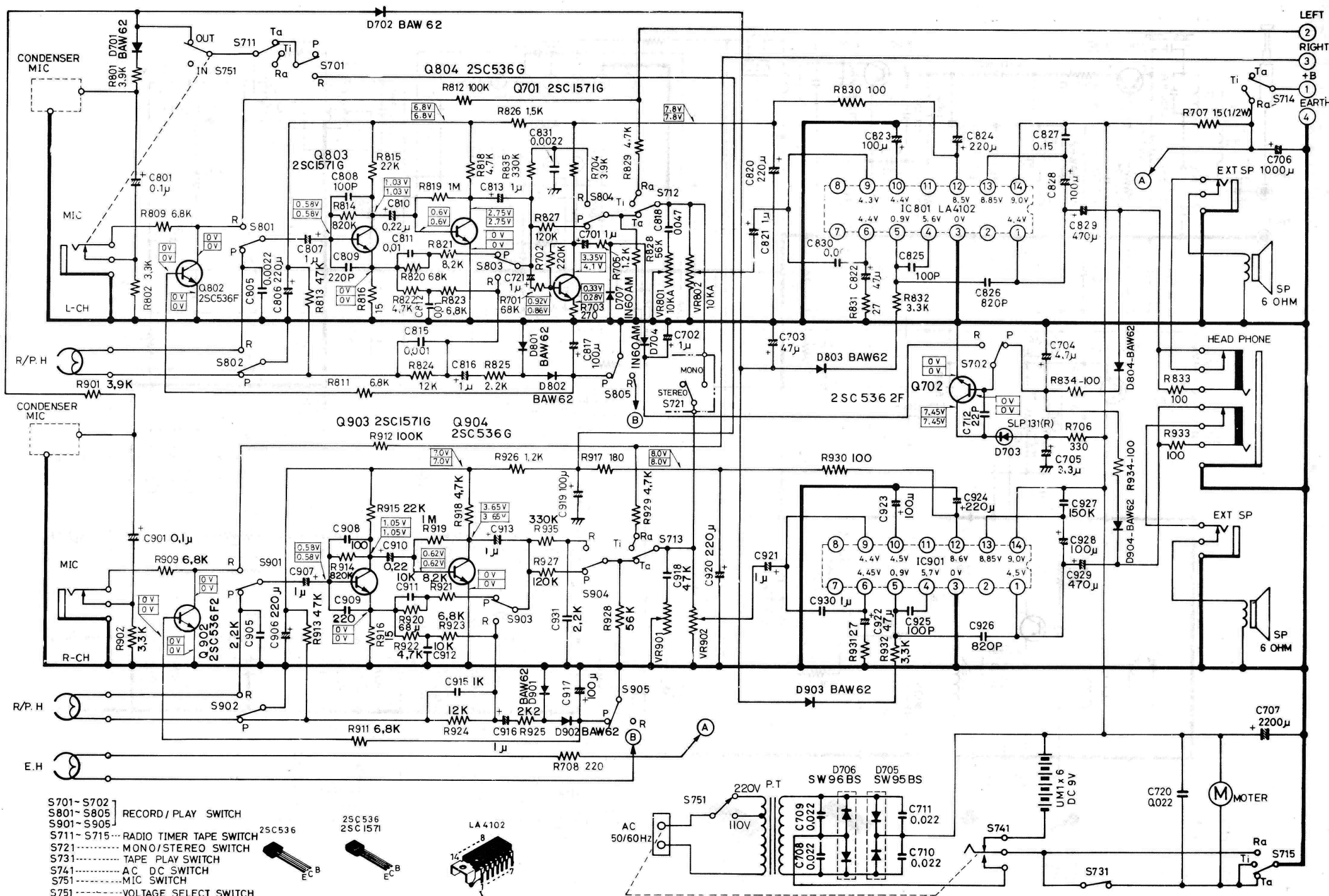
CIRCUITO FORÇA
CÓD. CIRCUITO IMPRESSO



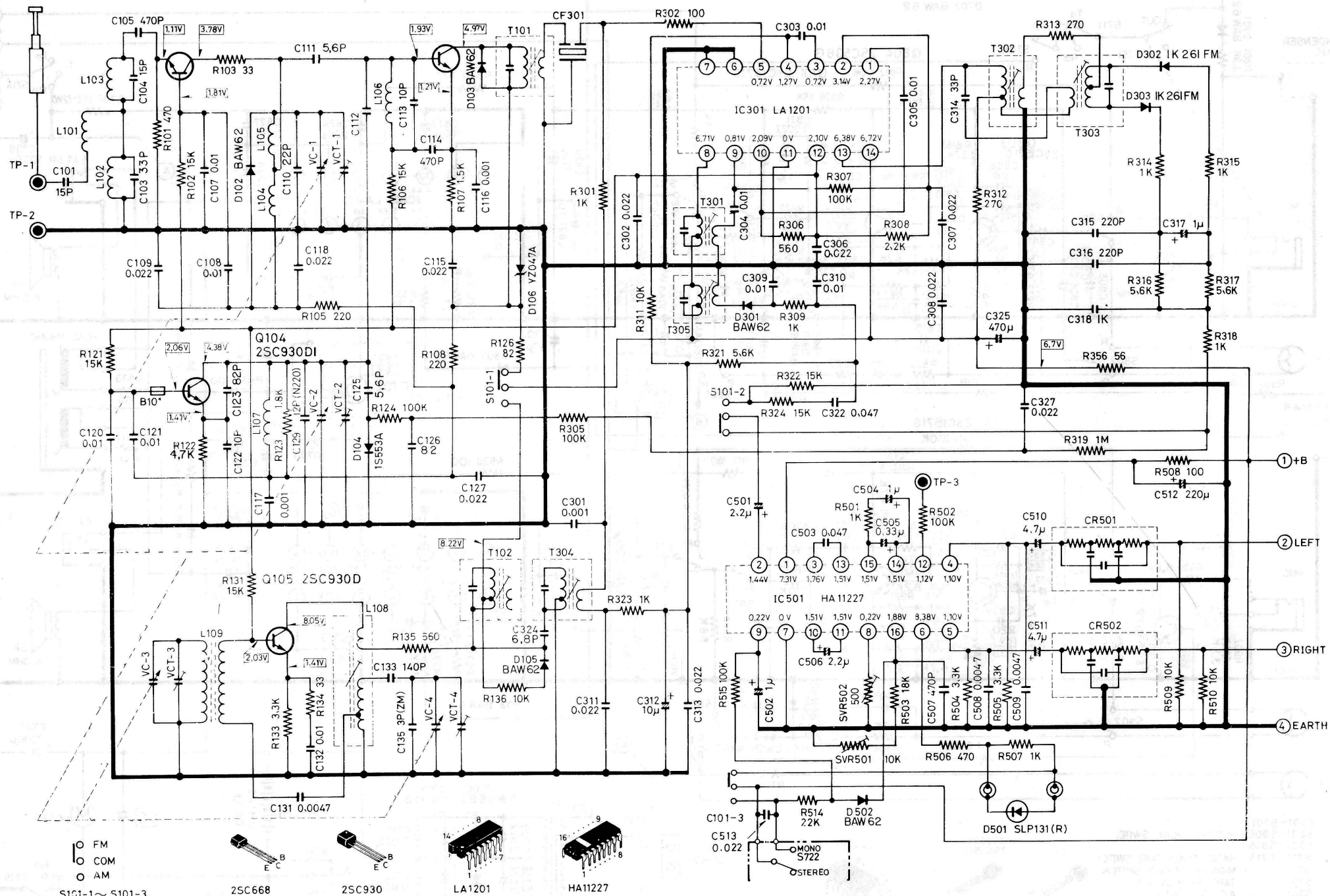
Q201, Q401
2SC1815GR



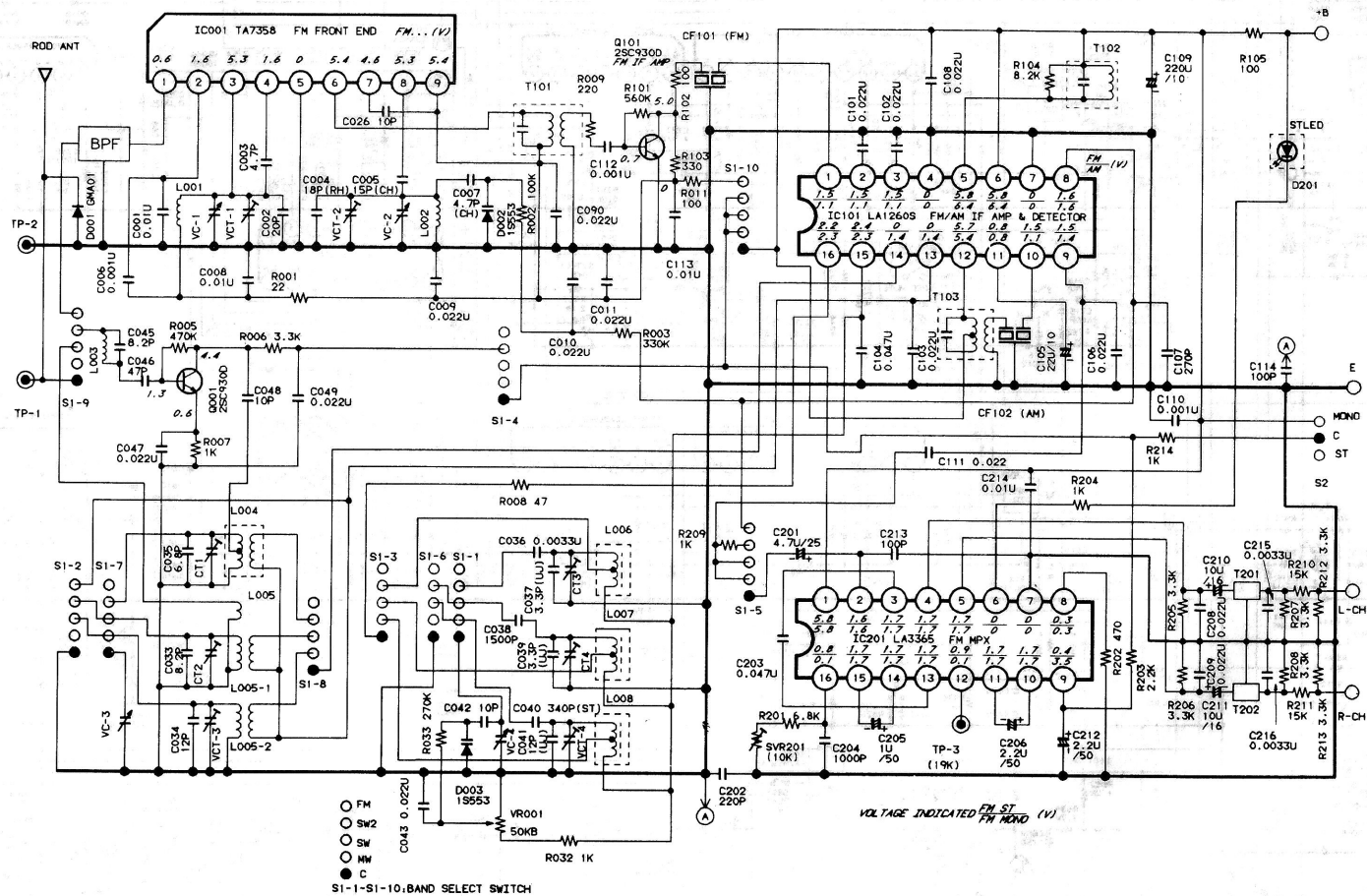




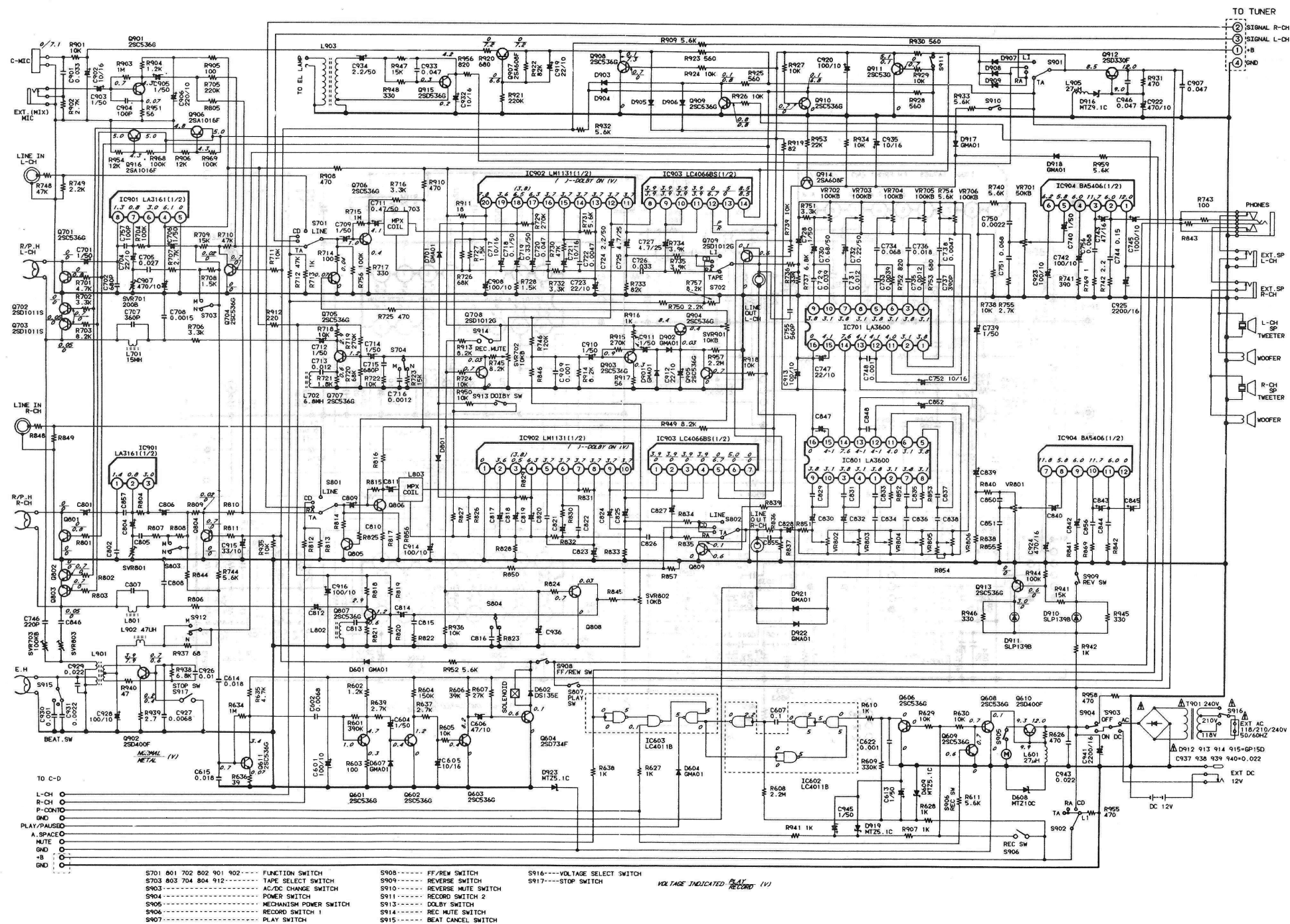
M - 9902F - RÁDIO GRAVADOR

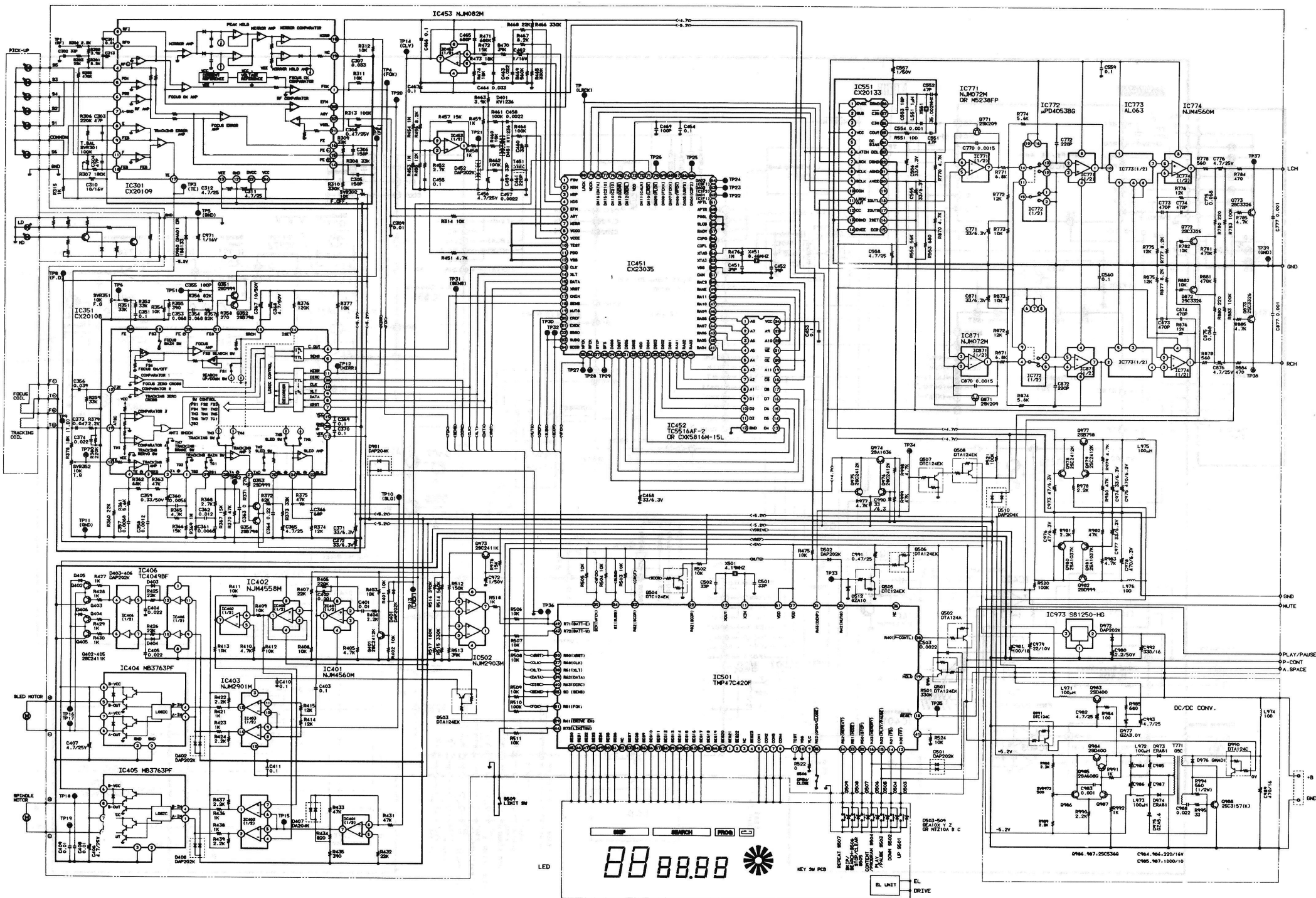


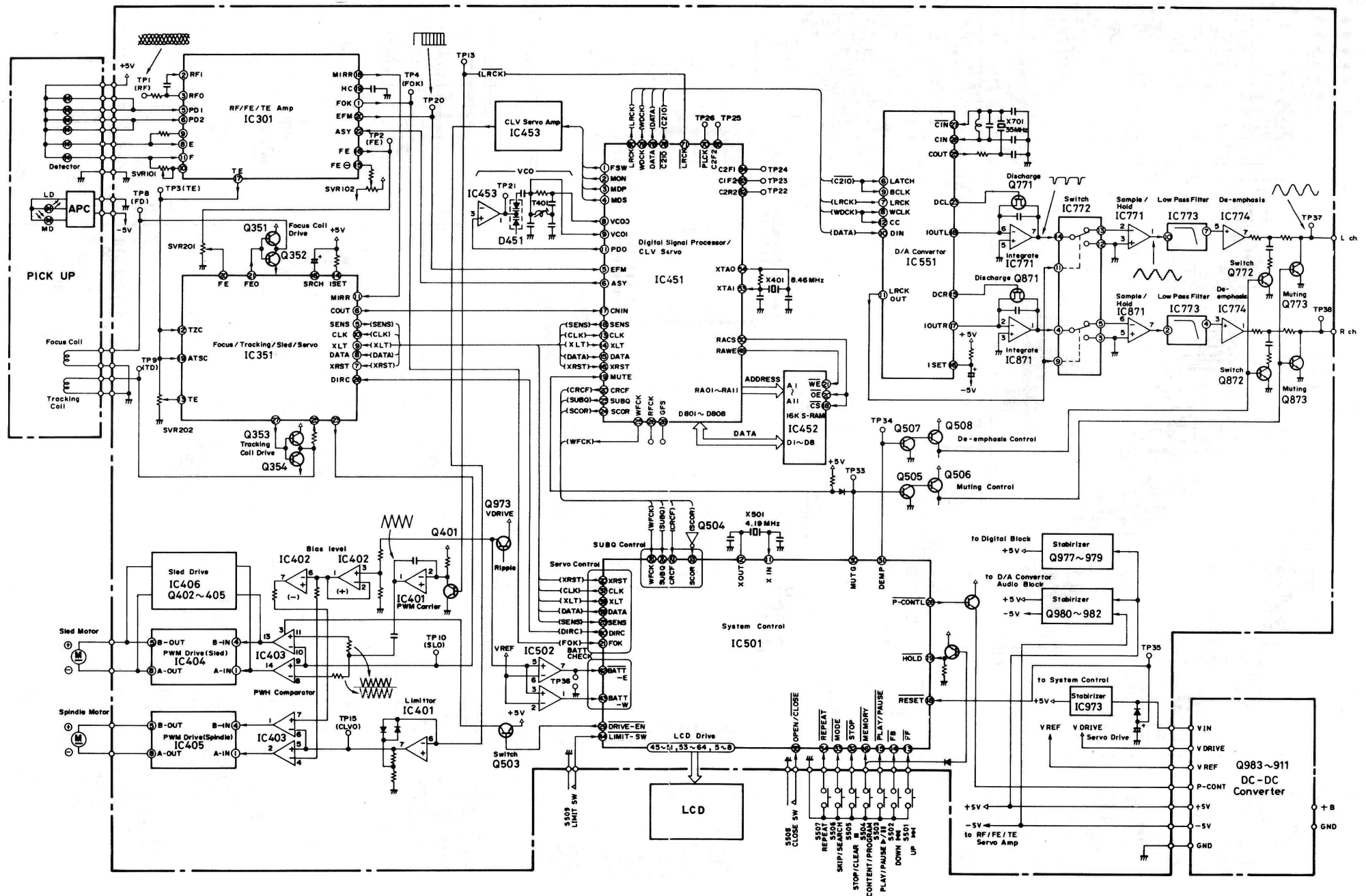
IC, TRANSISTOR CONNECTION

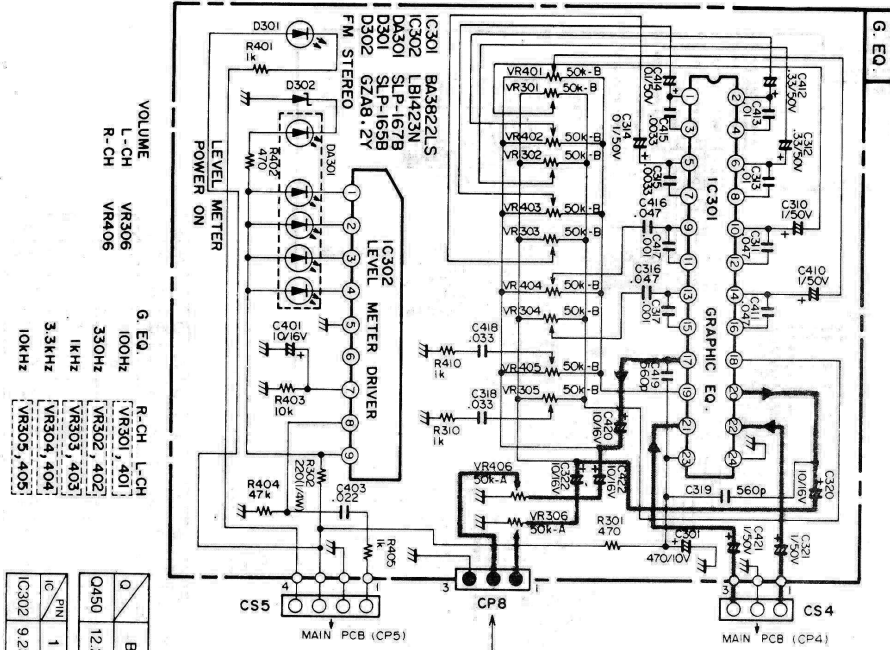


M - CD40K - CASSETE RECORDER CD PLAYER

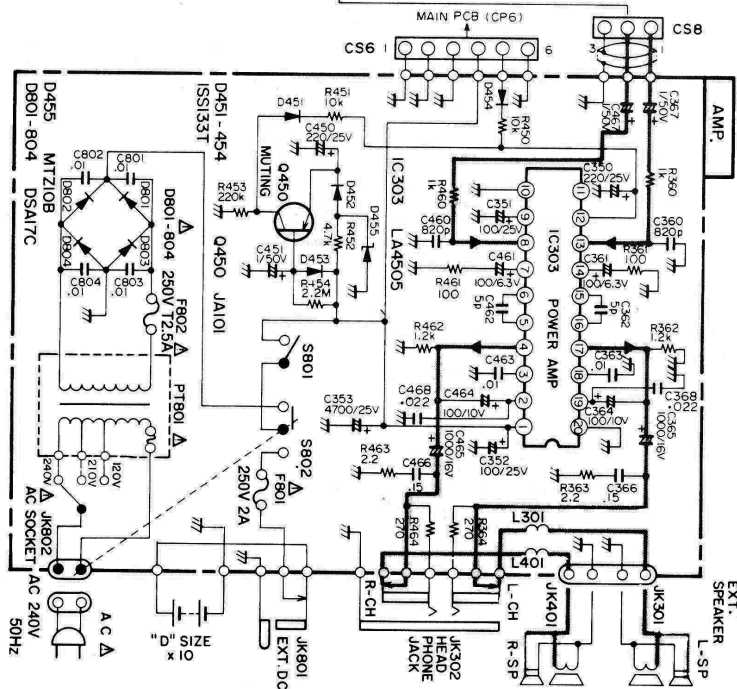




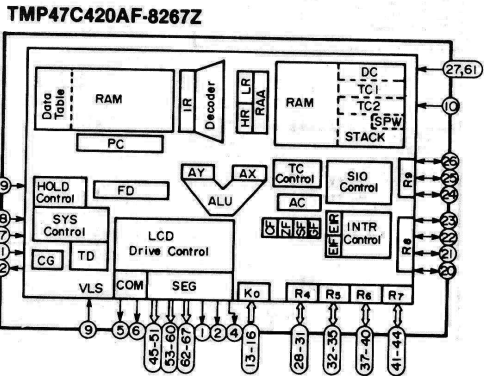
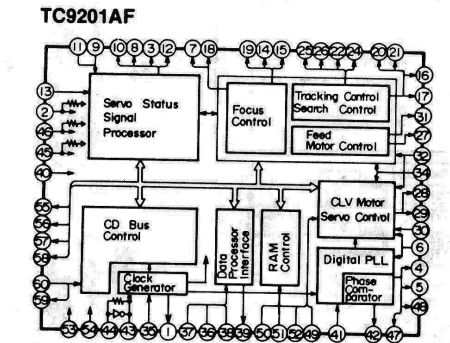
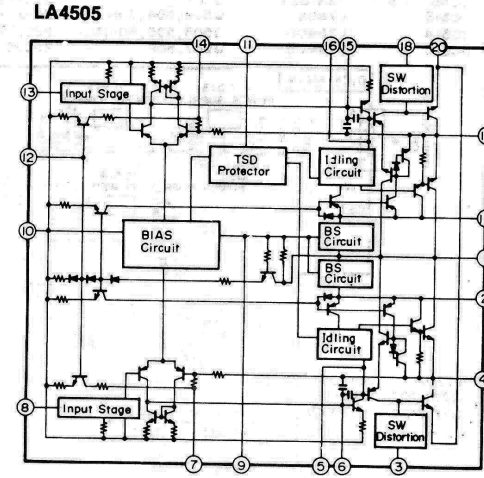
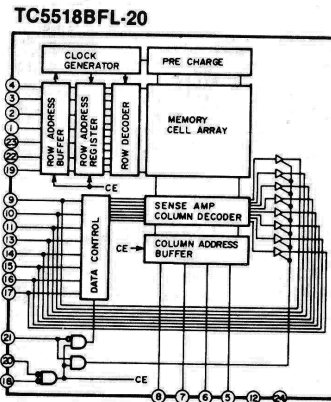
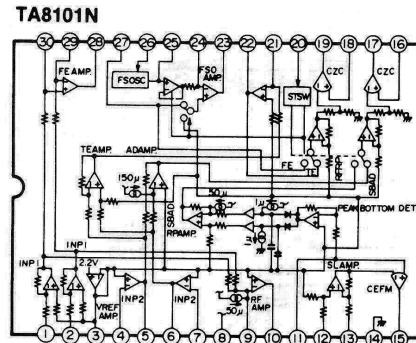
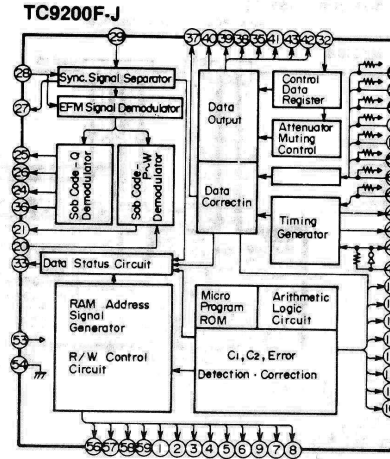




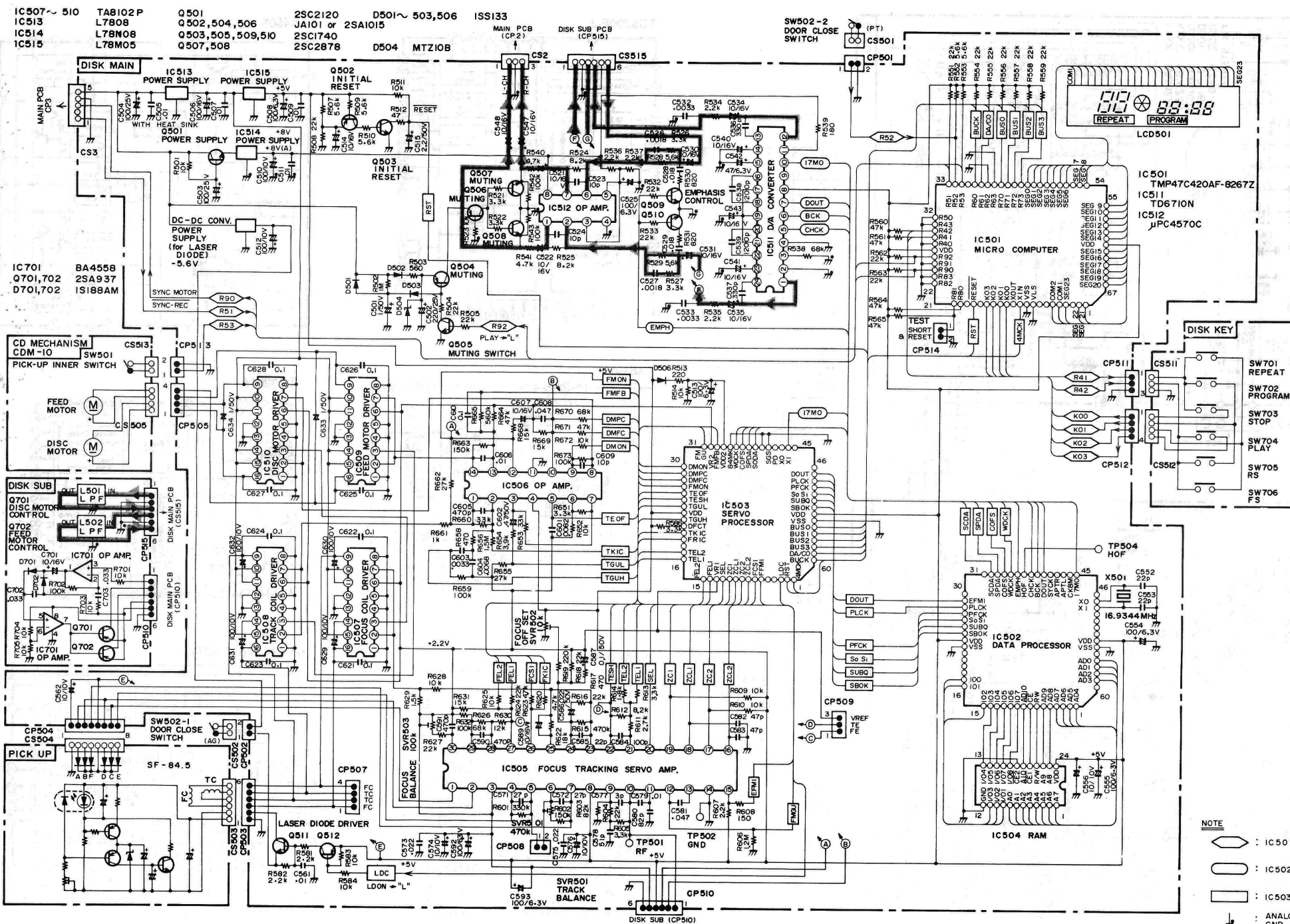
IC	PIN	1	2	3	4	5	6	7	8	9
IC302	9.23	9.23	9.25	9.25	0	1.03	0	0	10.78	(V)



IC	PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
IC301	7.71	7.71	8.25	8.25	7.74	7.74	8.28	8.27	7.74	7.74	8.28	8.28	7.72	8.27	8.26	5.47	3.21	3.22	5.46	3.84		
IC303	14.97	13.68	0.6	7.57	7.78	0.79	1.23	0	14.47	0	0.48	1.03	0	1.23	0.79	7.82	7.62	0.6	13.68	0		



M - CD300K - ESTÉREO RÁDIO CASSETE RECORDER C/ CD PLAYER



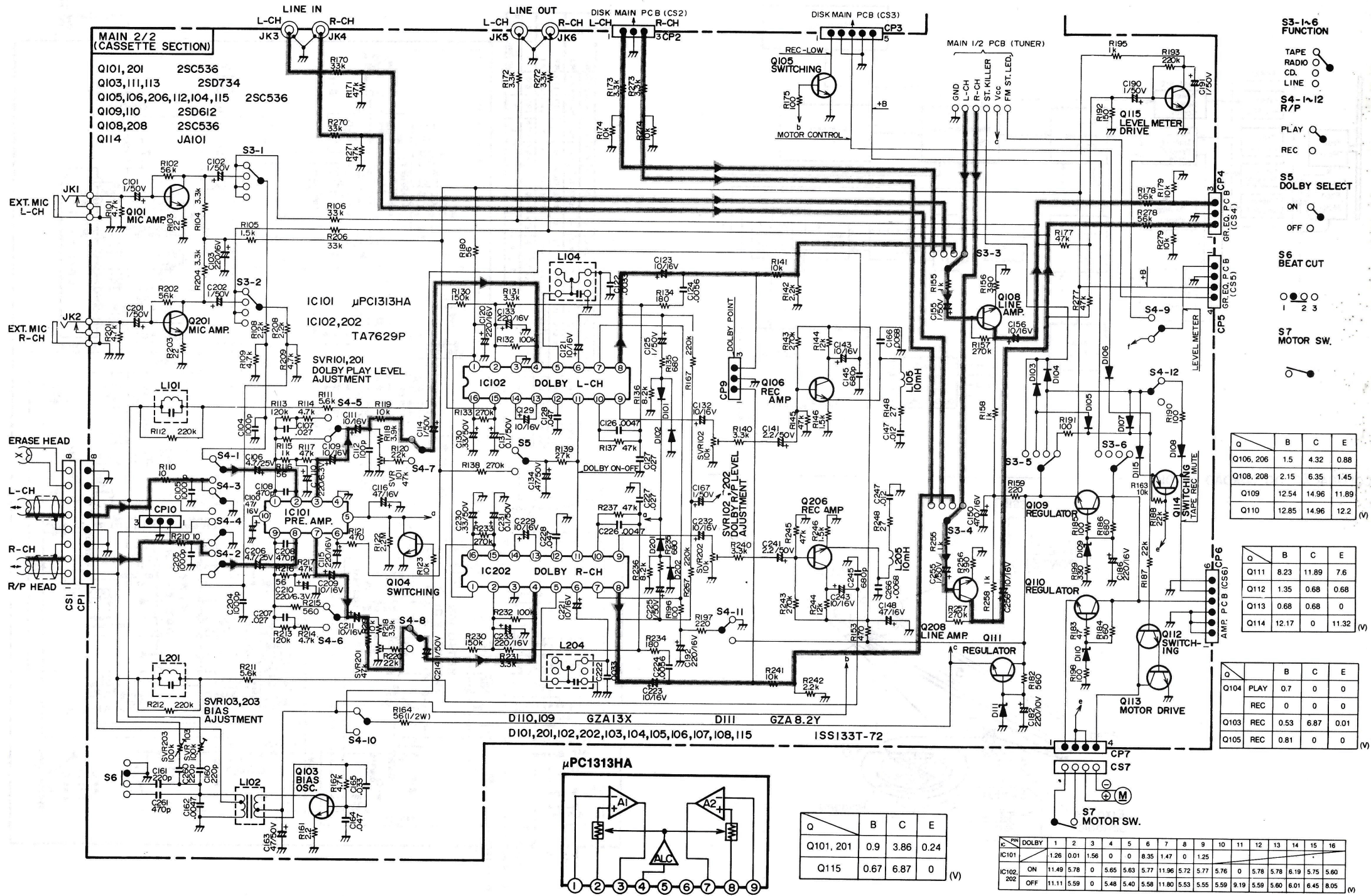
Q \	E	C	B
Q501	15.2	16.8	15.8
Q502	3.9	0	5.0
Q503	0	5.0	0
Q504	9.6	9.5	9.0
Q505	0	0	0.6
Q506	9.5	9.5	8.8
Q507	0	0	0.8
Q508	0	0	0.8
Q509	0	0	0
Q510	0	0	0
Q511	-5.9	0	-5.9
Q512	5.0	-5.9	5.0
Q701	2.2	2.2	1.6
Q702	2.2	2.2	1.6

NOTE

 : IC501
 : IC502
 : IC503
 : ANALO GND

IC502	TC9200F-J
IC503	TC9201AF
IC504	TC5518BFL-20
IC505	TA8101N
IC506	NJM3403AD

Q511 2SD734
Q512 JAI01 o
2SA1015



M - CD300K - ESTÉREO RÁDIO CASSETTE RECORDER C/ CD PLAYER

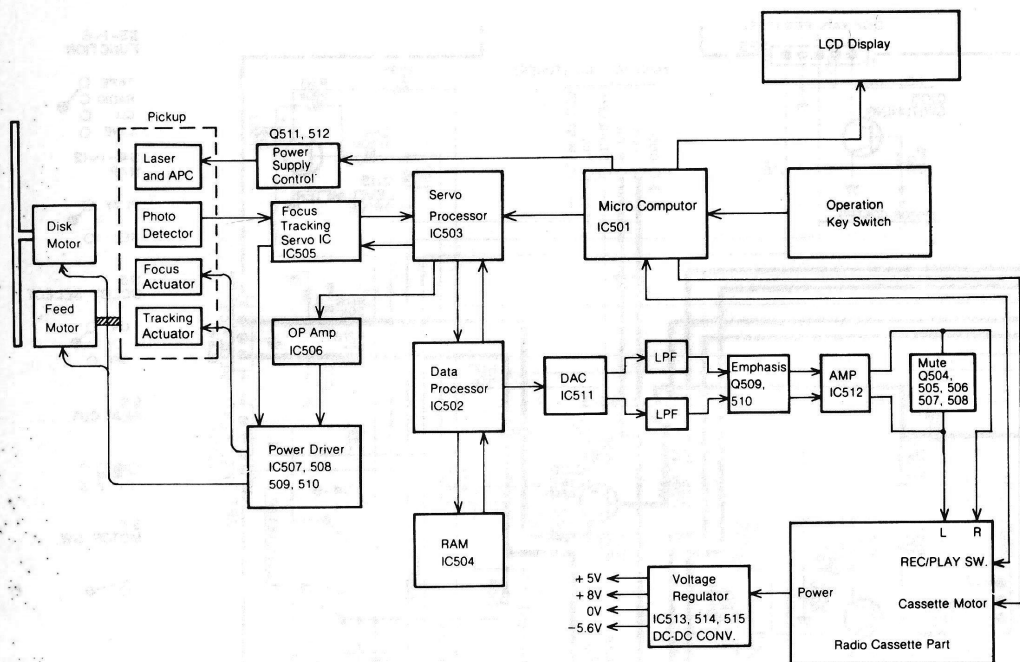
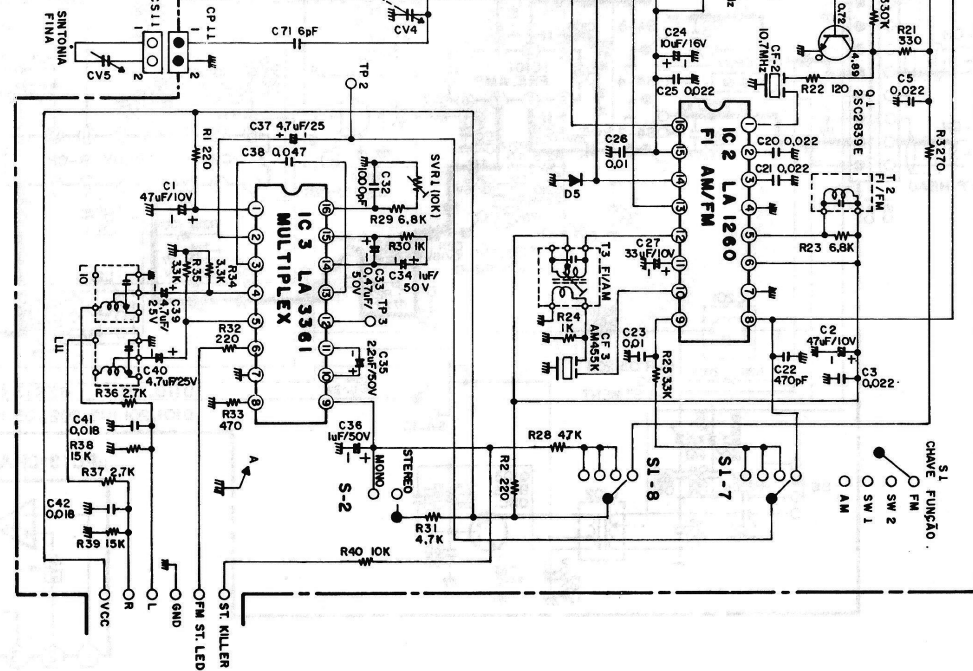
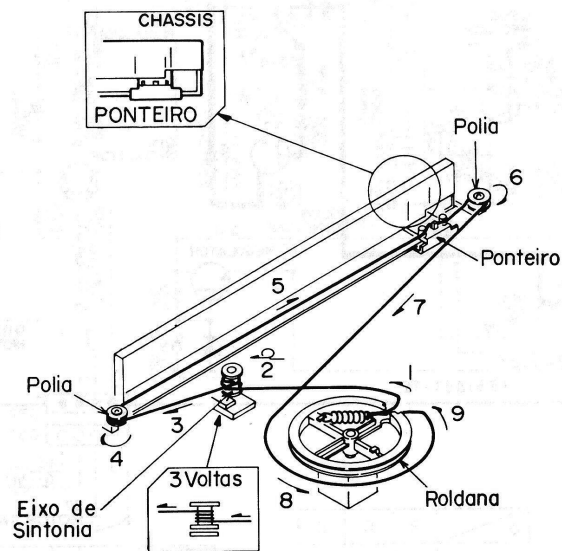


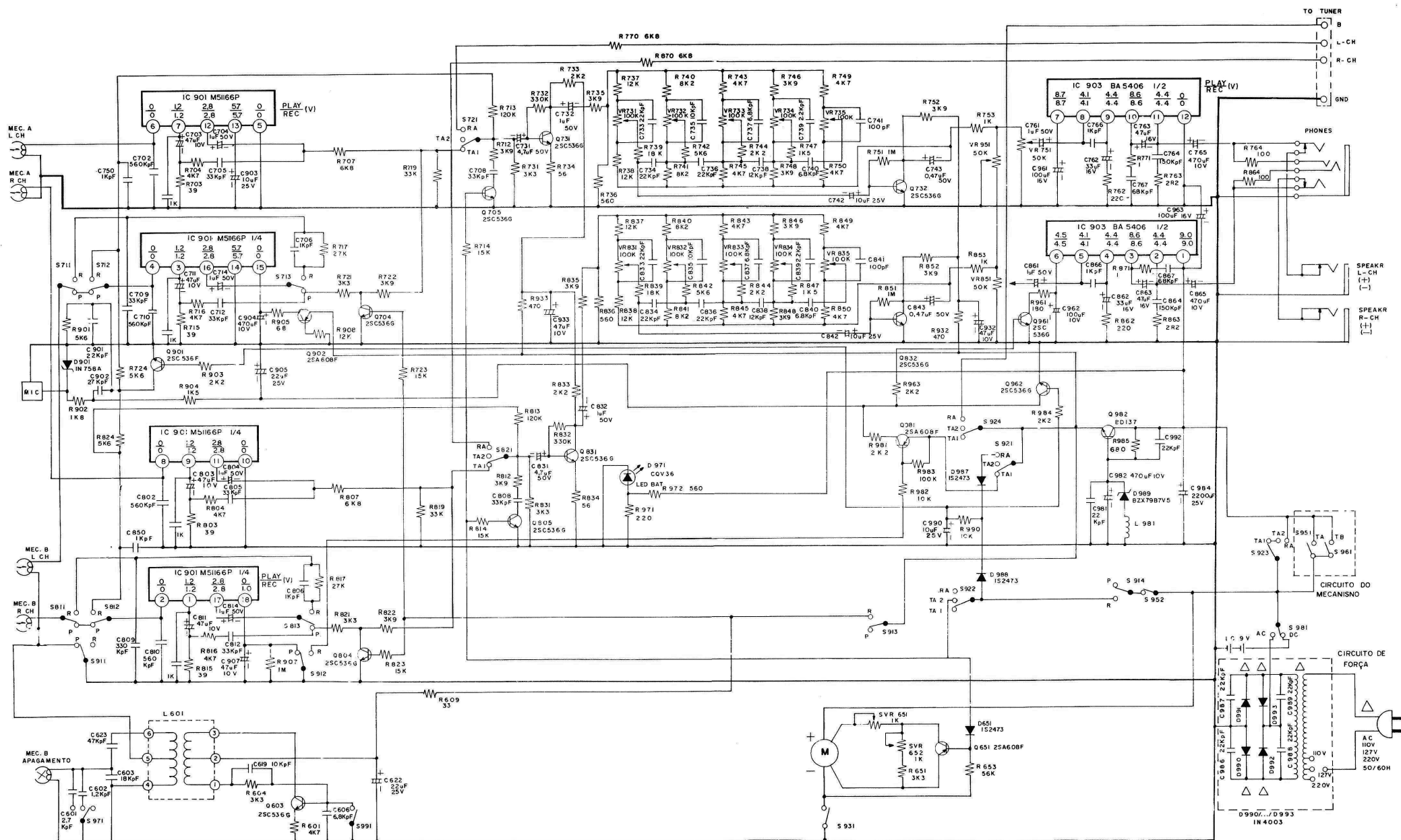
DIAGRAMA ESQUEMÁTICO - TUNER

IC Nº	QND	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
IC 1	FM	1.47	1.47	1.47	0	5.54	4.7	5.4	5.46	-	-	-	-	-	-	-	-
IC 2	AM	1.11	1.11	0	5.92	5.92	0	1.59	1.45	1.12	0.73	5.92	1.36	1.36	2.29	2.29	0.83
IC 3	FM	5.44	2.34	1.64	1.75	1.72	10.37	0	0.47	0	1.42	1.06	1.42	1.42	1.42	0.83	0.83
	AM	5.46	2.34	1.64	1.74	1.71	10.37	0	0.47	5.19	1.42	1.42	1.42	1.42	1.42	0.83	0.83



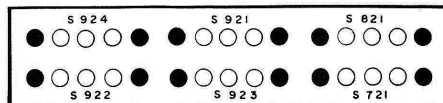
COLOCAÇÃO DO CORDÃO DO DIAL



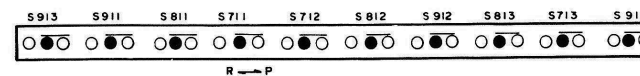


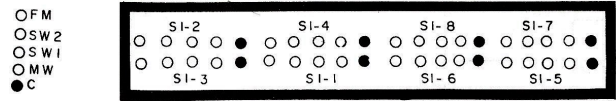
CHAVE FUNÇÃO

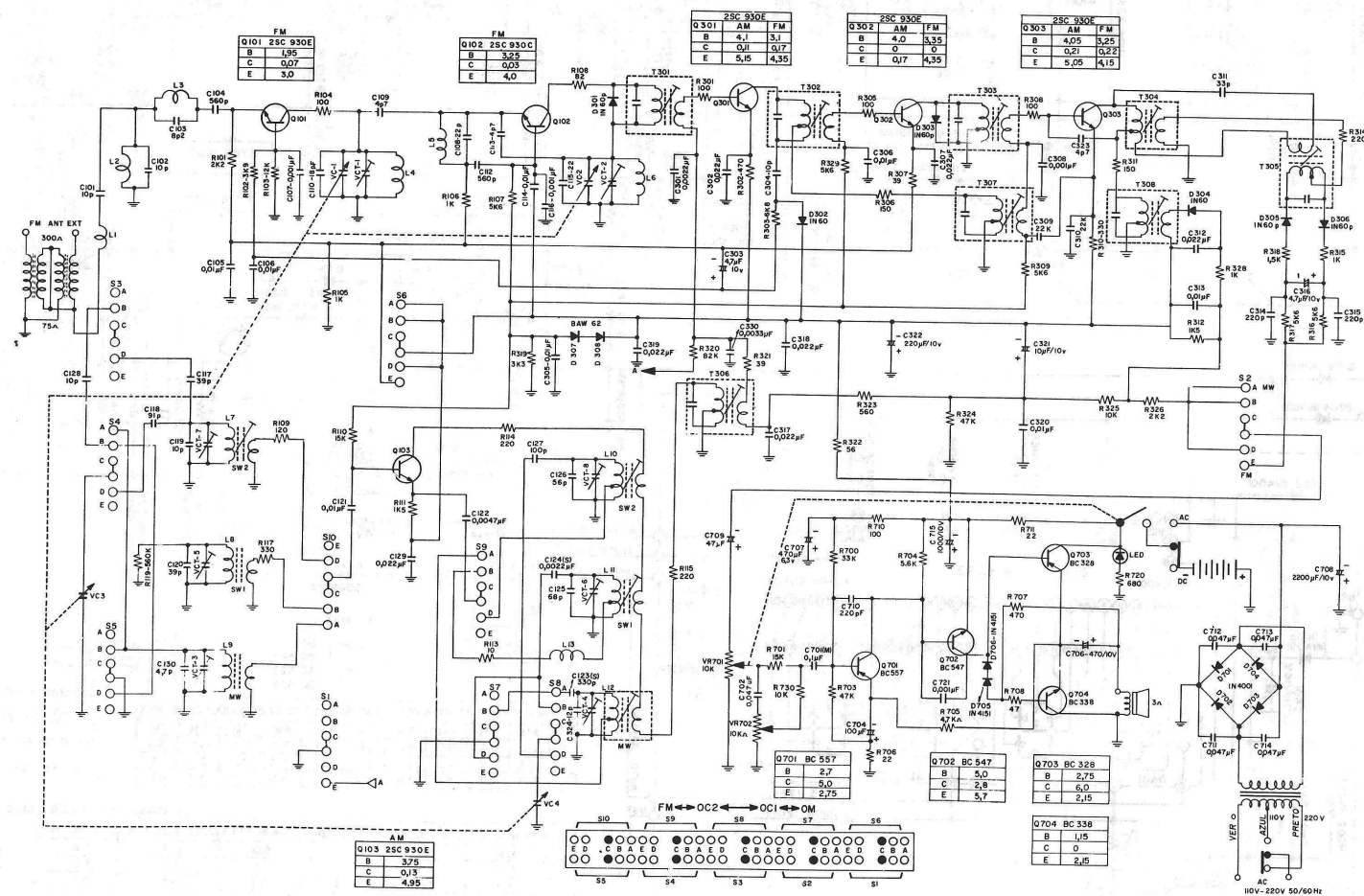
TAPE → TAPE → RÁDIO
(HIGH) (NORMAL)



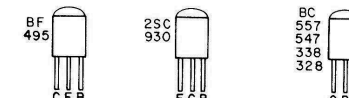
CHAVE REC-PLAY



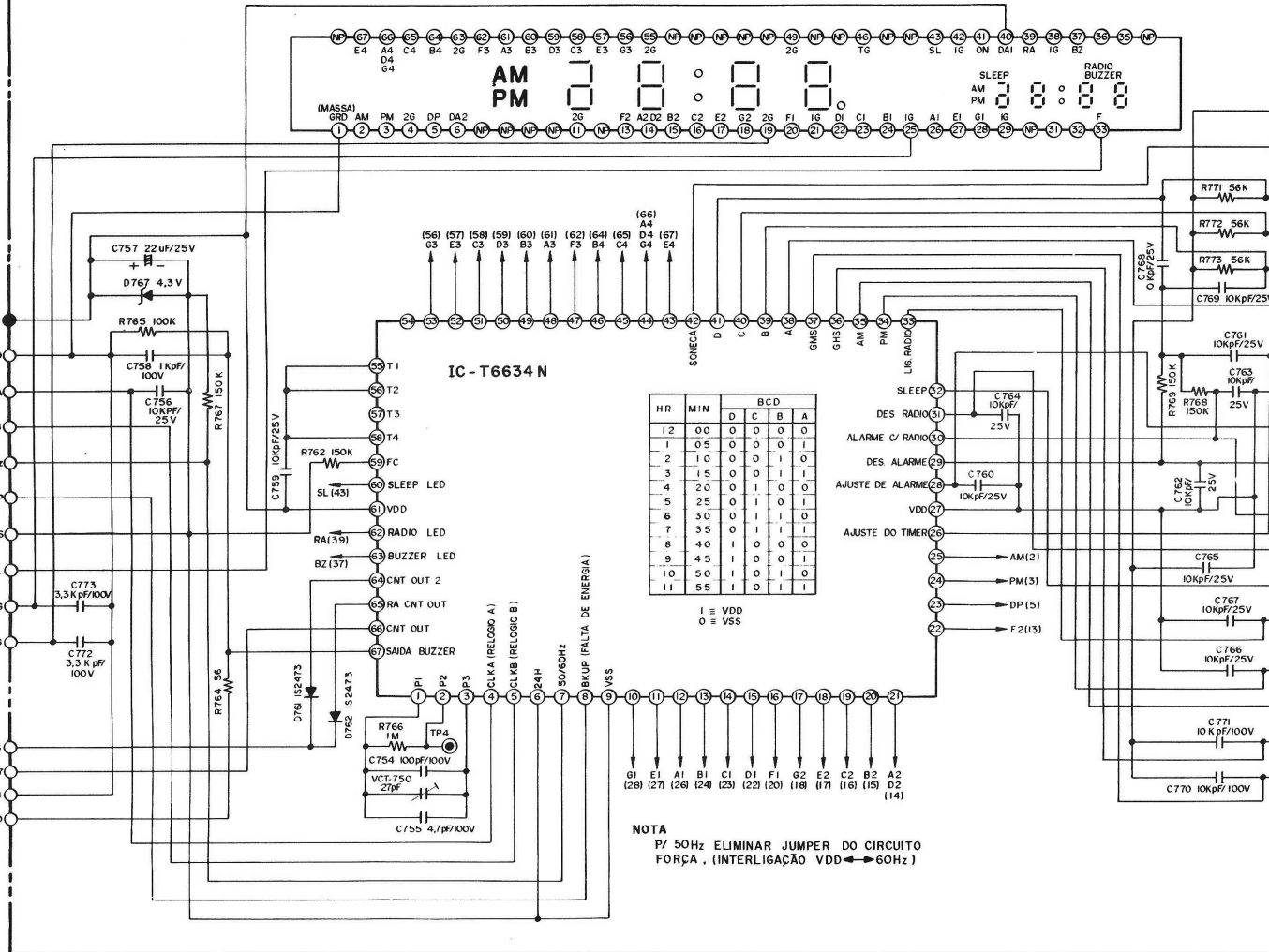




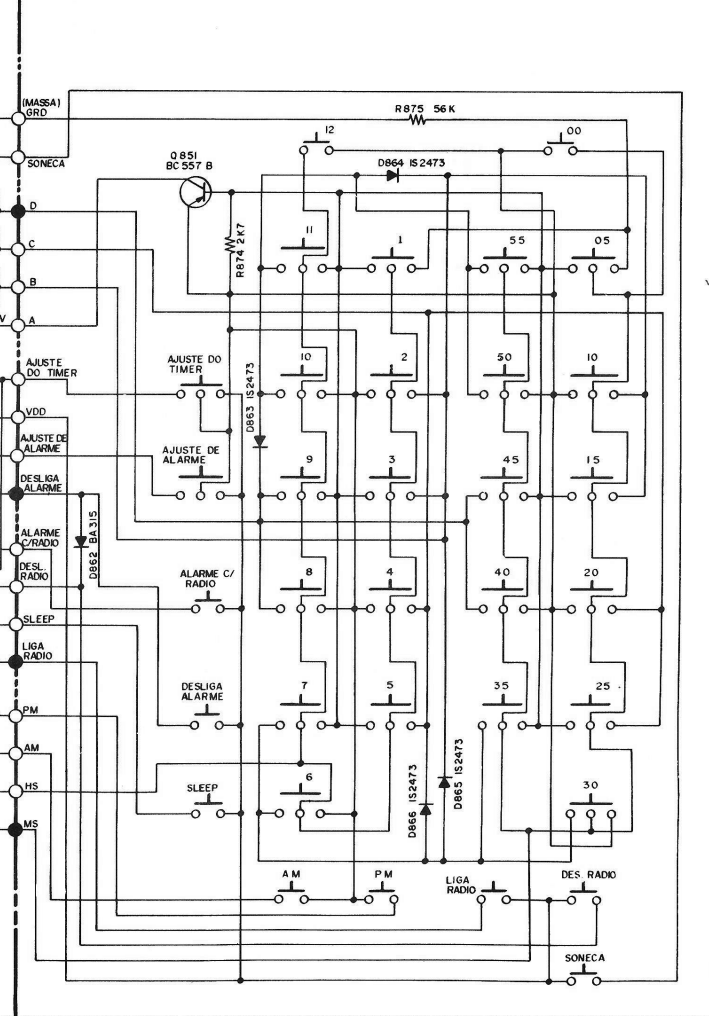
TENSÃO DC MEDIDO EM RELAÇÃO TERRA	
✕ TENSÃO AC	
1	0,00
2	0,00
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11	0,00
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92	0,00
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96	0,00
97	0,00
98	0,00
99	0,00
100	0,00



CIRC. RELÓGIO



CIRC. TECLADO



Q101	2SC 930E
B	2,2v
C	0,4v
E	1,9v

Q701	BC 327
B	0,7
C	0,7
E	0

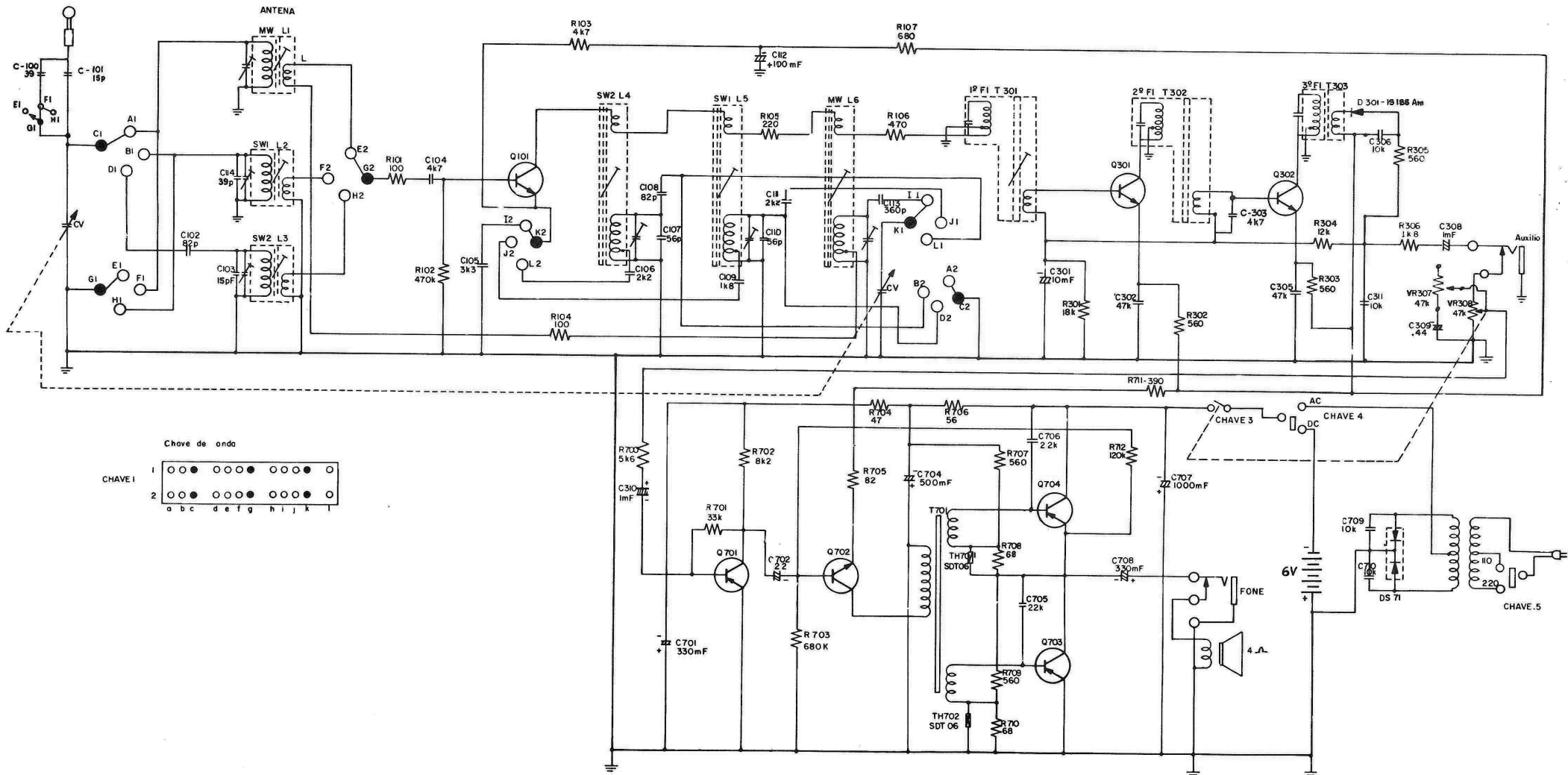
Q702	2SC 536
B	3,9v
C	0,5v
E	5,5v

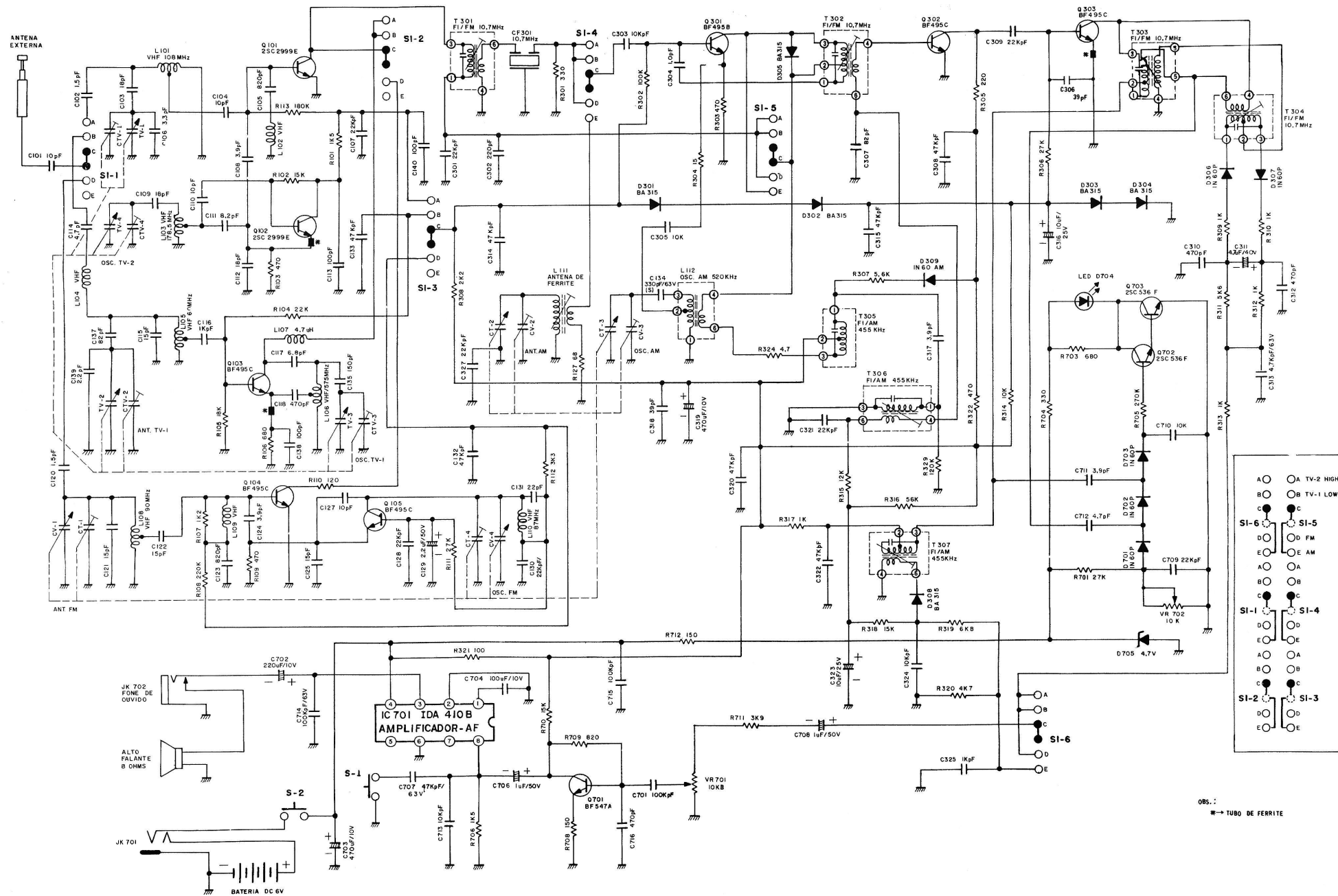
Q703	2SB 405
B	0,2v
C	2,8v
E	0

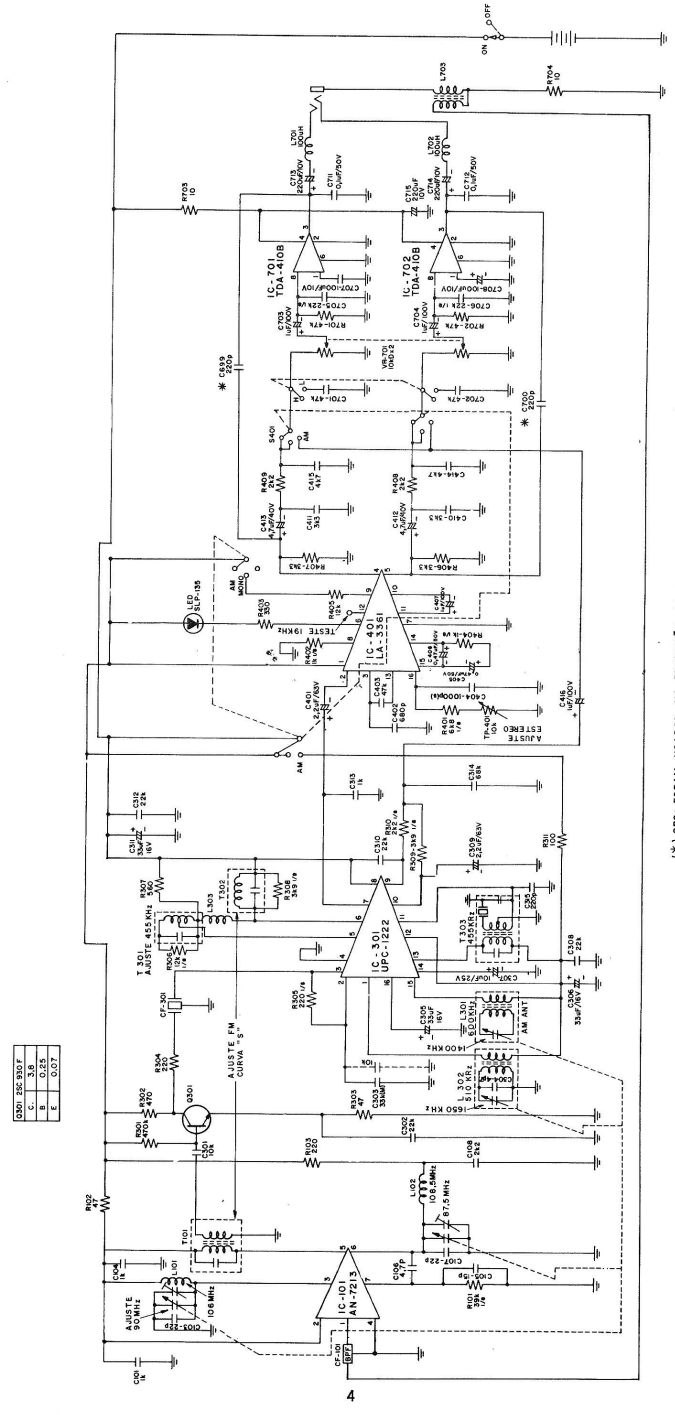
Q704	2SB 405
B	2,9v
C	6 v
E	2,8 v

Q301	2SC 930 D2
B	2,7v
C	0 v
E	3,45v

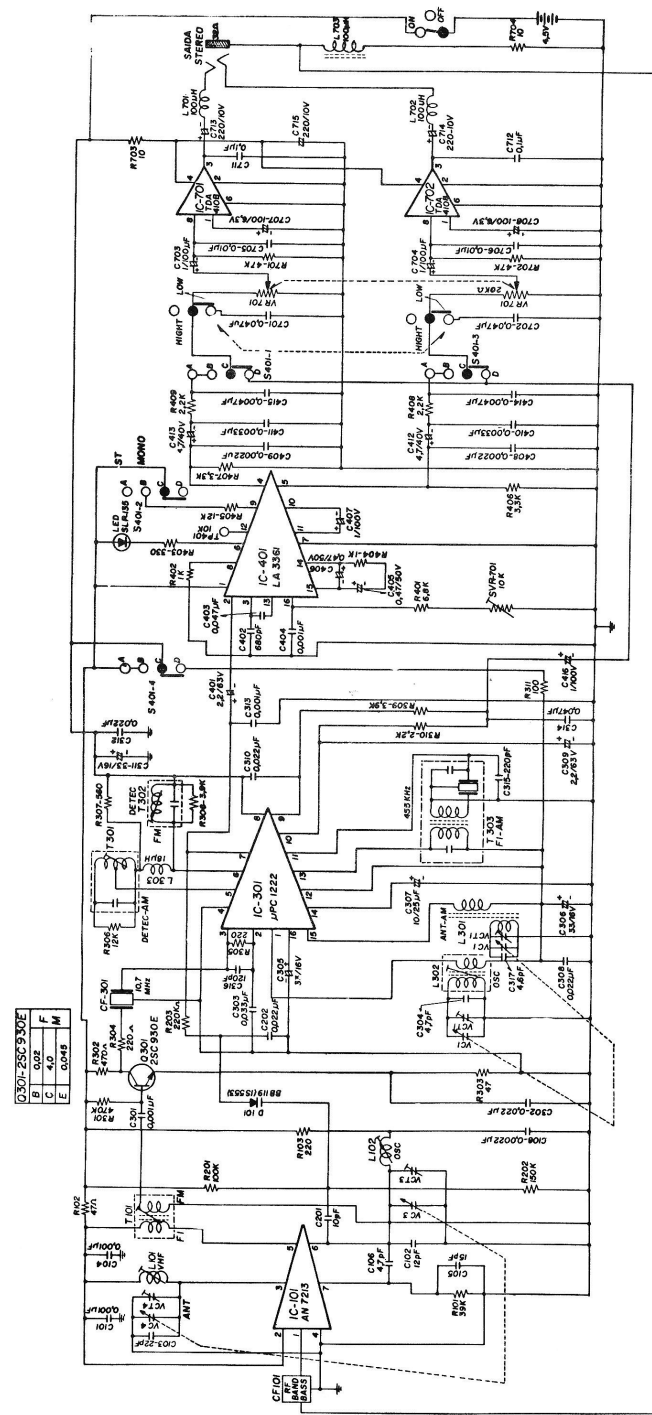
Q302	2SC 930 D2
B	2,7v
C	0 v
E	3,45v







(*) OBS: FORAM USADOS NA PRODUÇÃO OS VALORES DE 220PF E TAMBÉM 330PF NAS POSIÇÕES C699 * C700 PARA APARELHOS C/N DE SÉRIE INFERIOR AO Nº 53210000



RF-FM

IC-101 - AN 7213	
1	1
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AMP-FI COVE-MW

IC-301 - UPC 1222	
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FM MONO

IC-401 - LA 3351	
1	1
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FM MONO

IC-701 - IC 702 - TDA 410 B	
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FM MONO

IC-703 - TDA 410 B	
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FM MONO

IC-704 - TDA 410 B	
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FM MONO

IC-705 - TDA 410 B	
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FM MONO

IC-706 - TDA 410 B	
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FM MONO

IC-707 - TDA 410 B	
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FM MONO

IC-708 - TDA 410 B	
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FM MONO

IC-709 - TDA 410 B	
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FM MONO

IC-710 - TDA 410 B	
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FM MONO

IC-711 - TDA 410 B	
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FM MONO

IC-712 - TDA 410 B	
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FM MONO

IC-713 - TDA 410 B	
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FM MONO

IC-714 - TDA 410 B	
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FM MONO

IC-715 - TDA 410 B	
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FM MONO

IC-716 - TDA 410 B	
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FM MONO

IC-717 - TDA 410 B	
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FM MONO

IC-718 - TDA 410 B	
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FM MONO

IC-719 - TDA 410 B	
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FM MONO

IC-720 - TDA 410 B	
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FM MONO

IC-721 - TDA 410 B	
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FM MONO

IC-722 - TDA 410 B	
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FM MONO

IC-723 - TDA 410 B	
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FM MONO

IC-724 - TDA 410 B	
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FM MONO

IC-725 - TDA 410 B	
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FM MONO

IC-726 - TDA 410 B	
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FM MONO

IC-727 - TDA 410 B	
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FM MONO

IC-728 - TDA 410 B	
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FM MONO

IC-729 - TDA 410 B	
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FM MONO

IC-730 - TDA 410 B	
1	1
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FM MONO

IC-731 - TDA 410 B	
1	1
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FM MONO

IC-732 - TDA 410 B	
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FM MONO

IC-733 - TDA 410 B	
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FM MONO

IC-734 - TDA 410 B	
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FM MONO

IC-735 - TDA 410 B	
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FM MONO

IC-736 - TDA 410 B	
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ÍNDICE

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