



SERVICE MANUAL

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MODELS : T571C/T571AH

SERVICE MANUAL

T571C
T571AH
DVD VIDEO PLAYER

T571C
T571AH
DVD VIDEO PLAYER



T571C
T571AH
DVD VIDEO PLAYER

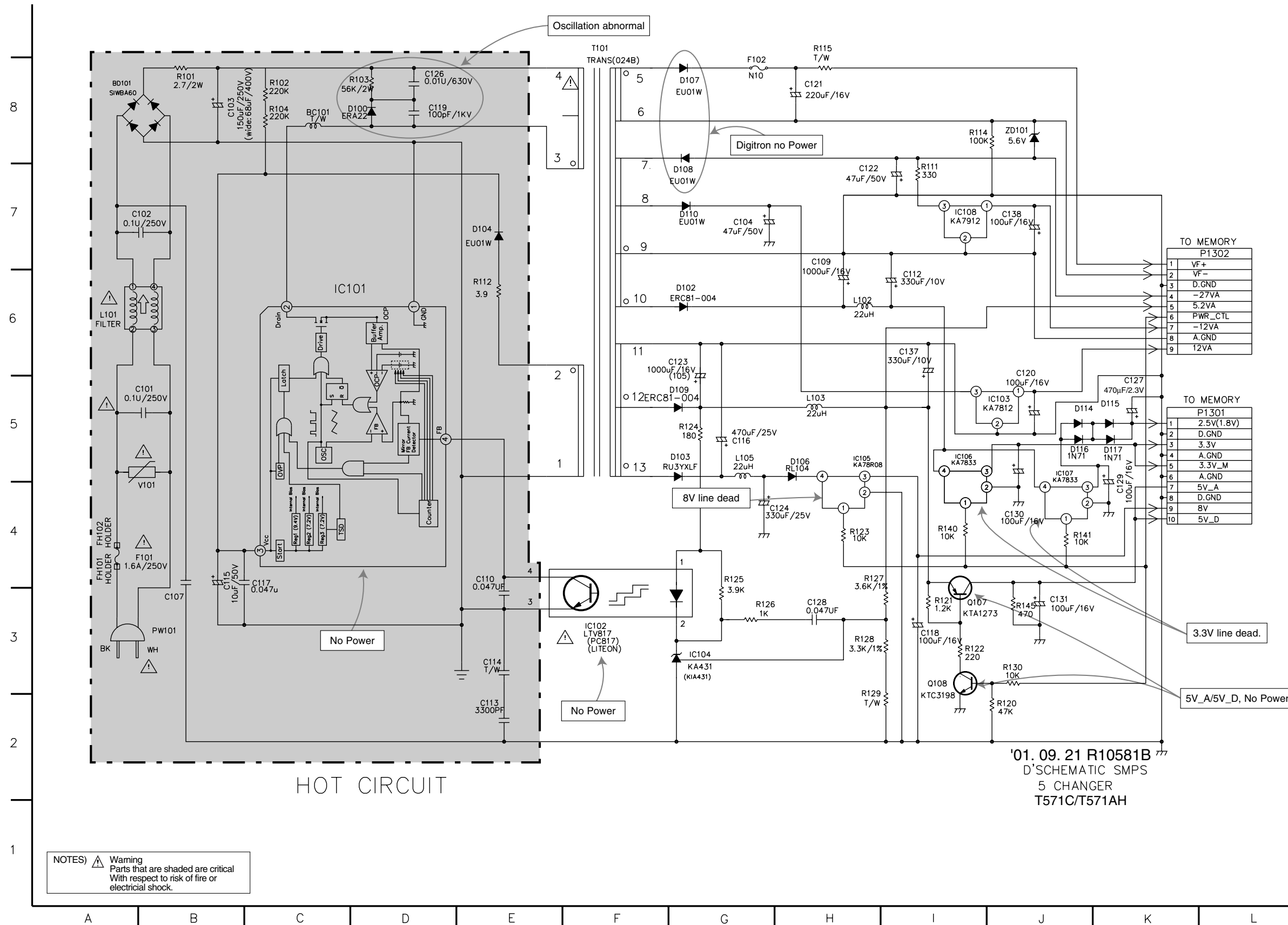
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TORONTO

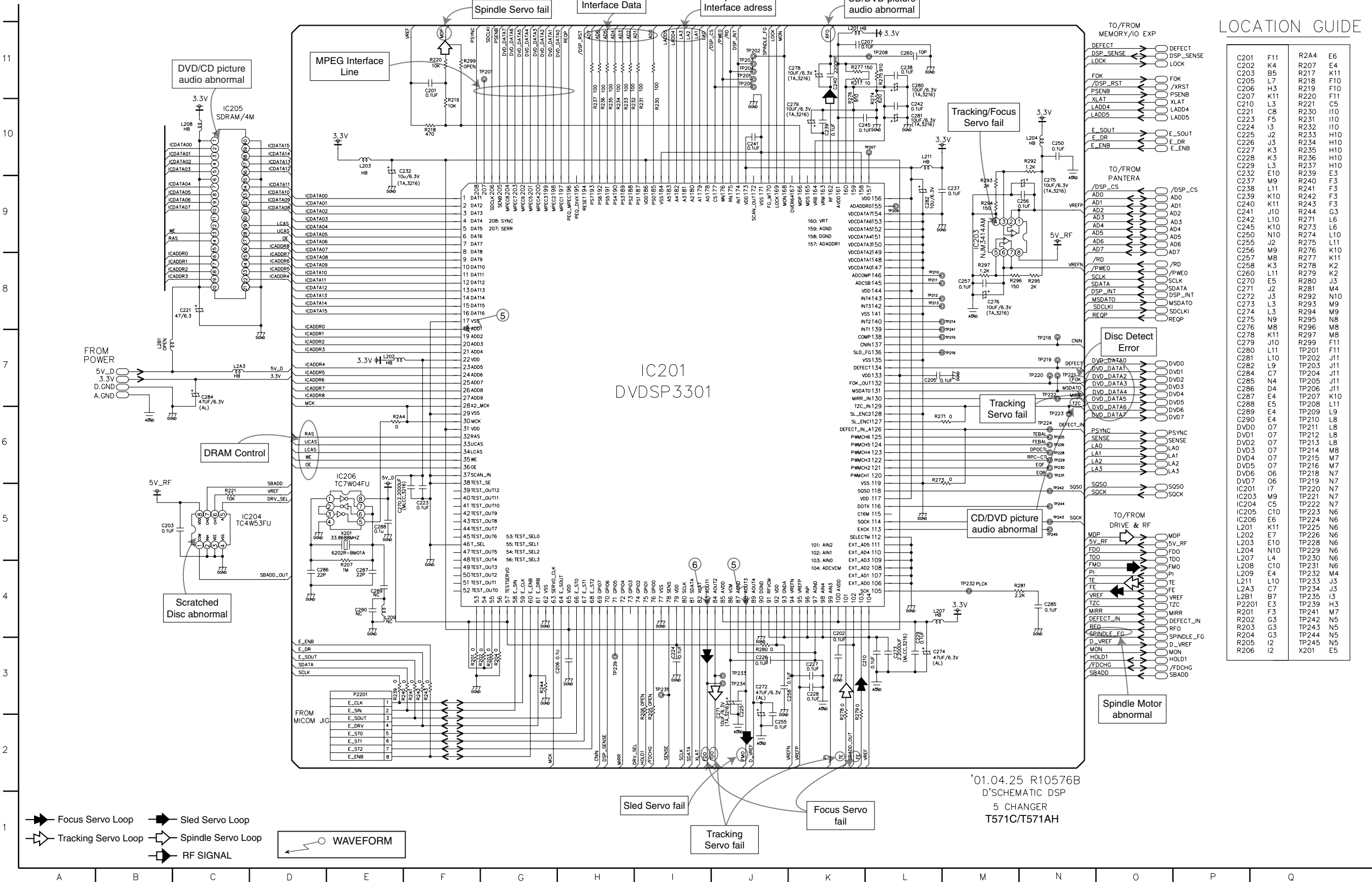
CIRCUIT DIAGRAM

1. POWER(SMPS) CIRCUIT DIAGRAM

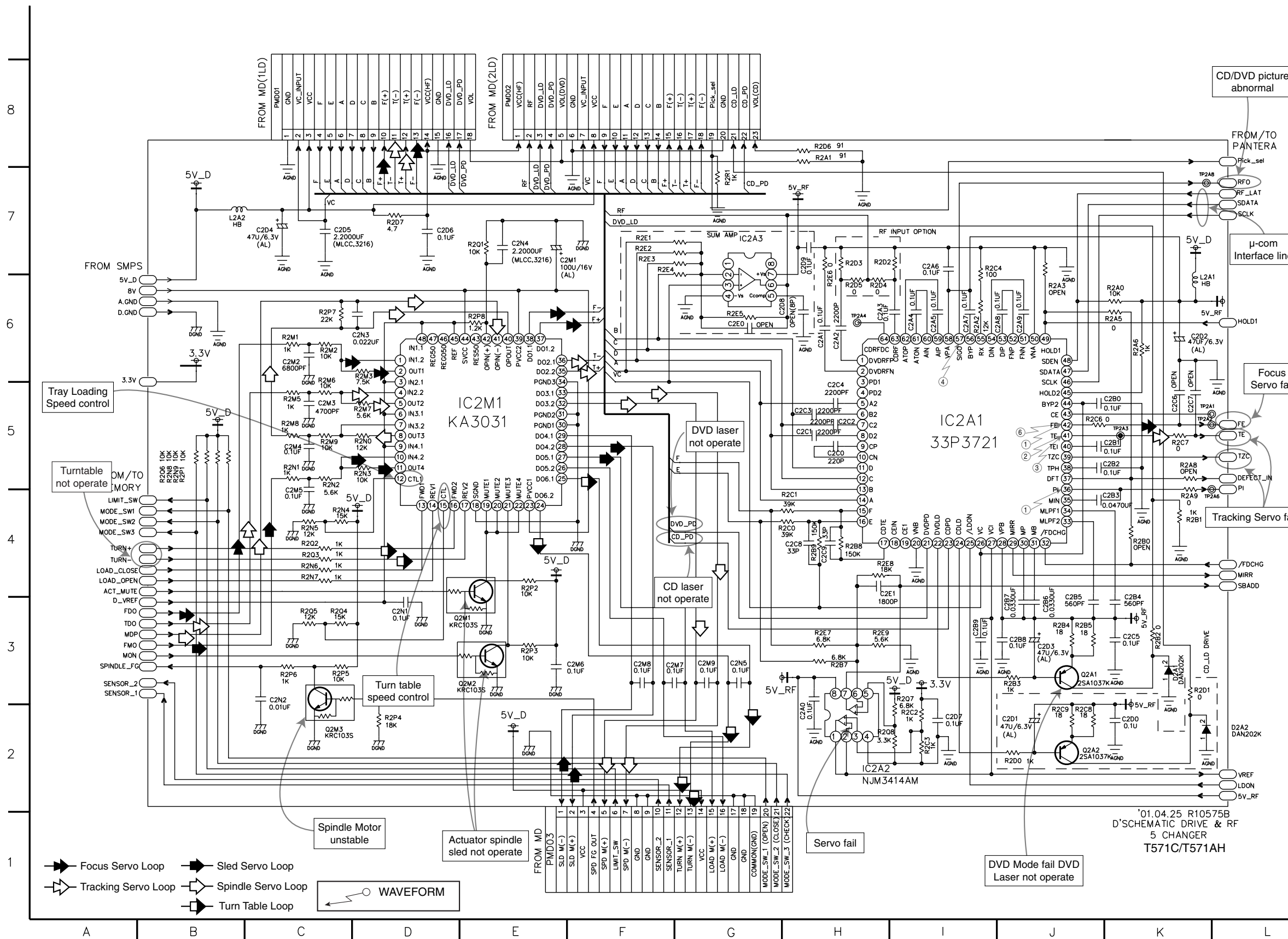
- NOTE :**
1. Shaded(■) parts are critical for safety. Replace only with specified part number.
 2. Voltages are DC-measured with a digital voltmeter during Play mode.



2. DVD DSP CIRCUIT DIAGRAM

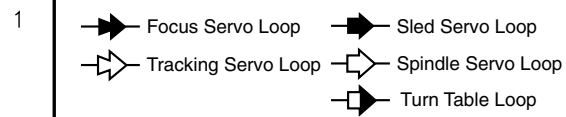


3. DRIVE & RF CIRCUIT DIAGRAM



LOCATION GUIDE

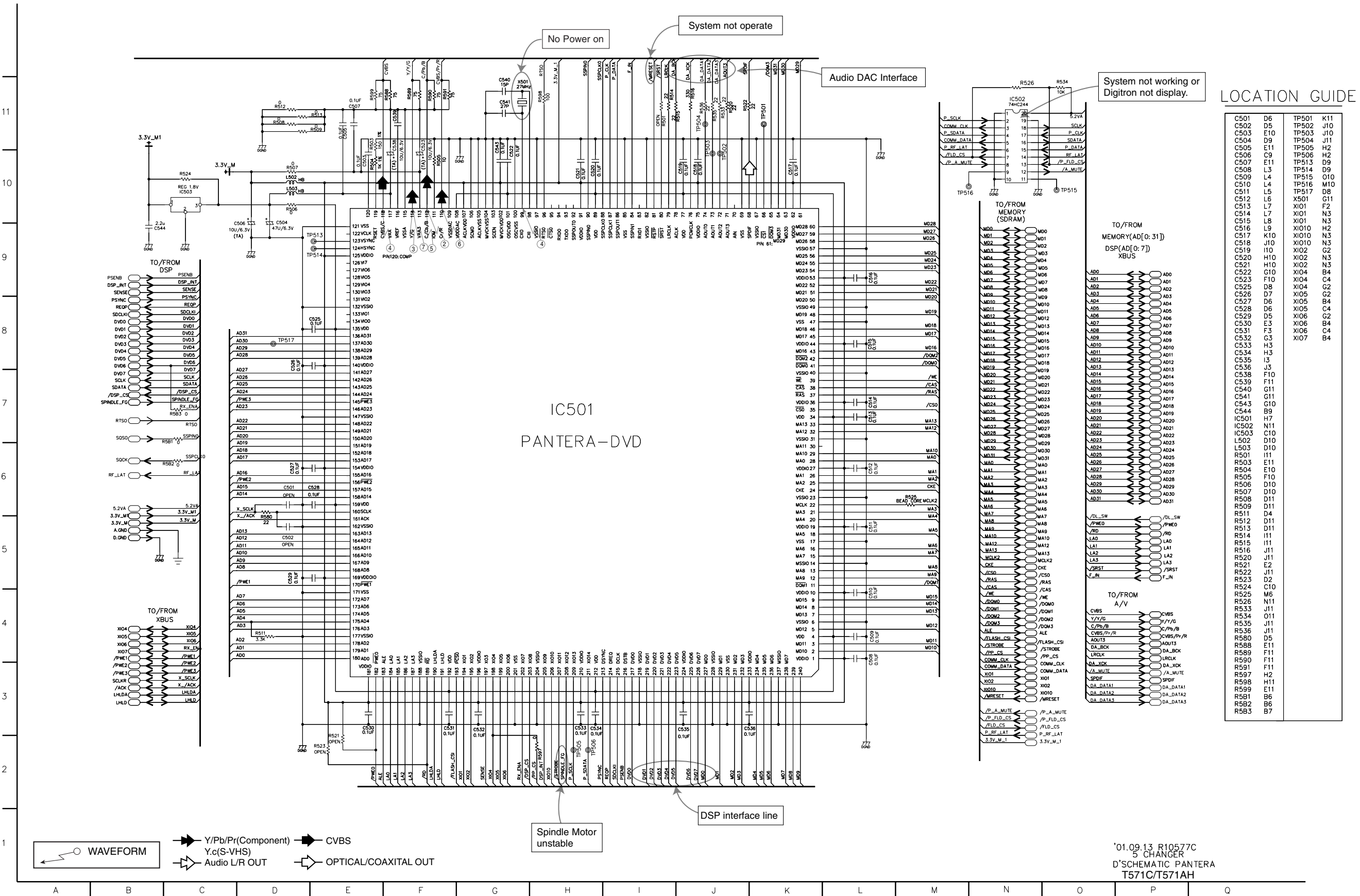
C2A0	H2	D2A2	L2	R2M7	D5
C2A1	H6	IC2A1	I5	R2M8	C5
C2A2	H6	IC2A2	H2	R2M9	C5
C2A3	H6	IC2A3	G7	R2N0	D5
C2A4	I6	IC2M1	E5	R2N1	C5
C2A5	I6	L2A1	K6	R2N2	C5
C2A6	I7	L2A2	B7	R2N3	D5
C2A7	I6	Q2A1	J3	R2N4	C4
C2A8	J6	Q2A2	J2	R2N5	C4
C2A9	J6	Q2M1	D3	R2N6	C4
C2B0	K5	Q2M2	D3	R2N7	C4
C2B1	K5	Q2M3	C2	R2N8	B5
C2B2	J5	R2A0	K6	R2N9	B5
C2B3	K4	R2A1	H8	R2P1	B5
C2B4	J3	R2A2	I6	R2P2	E4
C2B5	J3	R2A3	J6	R2P3	E3
C2B6	J3	R2A5	K6	R2P4	D2
C2B7	J3	R2A6	K6	R2P5	C3
C2B8	I3	R2A8	K5	R2P6	C3
C2B9	I3	R2A9	K4	R2P7	C6
C2C0	H5	R2B0	K4	R2P8	E6
C2C1	H5	R2B1	K4	R2Q1	E7
C2C2	H5	R2B2	K3	R2Q2	C4
C2C3	H5	R2B3	J3	R2Q3	C4
C2C4	H5	R2B4	J3	R2Q4	C3
C2C5	K3	R2B5	J3	R2Q5	C3
C2C6	K5	R2B7	H3	R2Q6	B5
C2C7	K5	R2B8	H4	R2Q7	I3
C2C8	H4	R2B9	H4	R2Q8	H2
C2C9	H4	R2C0	G4	R2R1	G7
C2D0	K2	R2C1	H4	TP2A1	K5
C2D1	J2	R2C2	I2	TP2A2	K5
C2D2	K6	R2C3	I2	TP2A3	K5
C2D3	J3	R2C4	I7	TP2A4	H6
C2D4	C7	R2C6	J5	TP2A6	K4
C2D5	C7	R2C7	K5	TP2A8	K7
C2D6	D7	R2C8	J2	TZC	L5
C2D7	I2	R2C9	J2	VC	F7
C2D8	H6	R2D0	J2	VC	F6
C2D9	H7	R2D1	K3	VC	C7
C2E0	G6	R2D2	H7	VREF	L2
C2E1	H4	R2D3	H7		
C2M1	E7	R2D4	H6		
C2M2	C6	R2D5	H6		
C2M3	C5	R2D6	H8		
C2M4	C5	R2D7	D7		
C2M5	C4	R2E1	F7		
C2M6	F3	R2E2	F7		
C2M7	F3	R2E3	F7		
C2M8	F3	R2E4	F7		
C2M9	G3	R2E5	G6		
C2N1	D3	R2E6	H6		
C2N2	C3	R2E7	H3		
C2N3	D6	R2E8	H4		
C2N4	E7	R2E9	H3		
C2N5	G7	R2M1	C6		
CD_PD	G3	R2M2	C6		
D.GND	A6	R2M5	C5		
D2A1	K3	R2M6	C5		



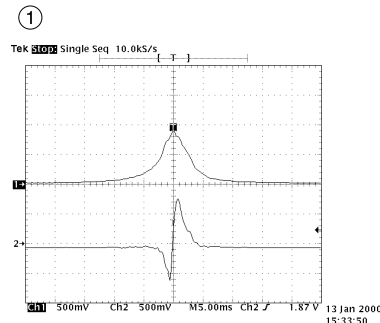
A B C D E F G H I J K L M

'01.04.25 R10575B
D'SCHEMATIC DRIVE & RF
5 CHANGER
T571C/T571AH

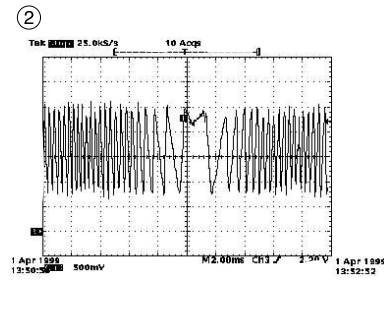
4. PANTERA CIRCUIT DIAGRAM



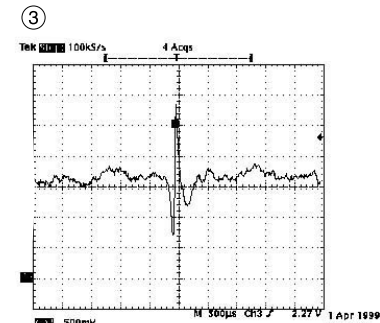
• WAVEFORMS



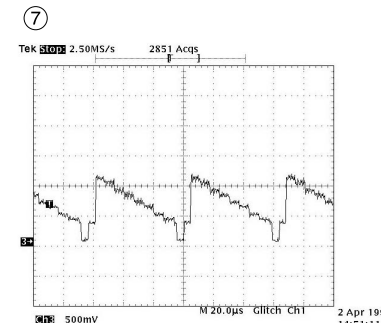
IC2A1 Pin 42, Focus Error
IC2A1 Pin 36, Pi



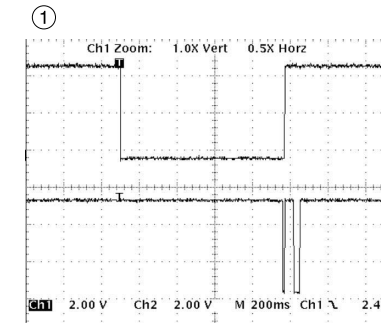
IC2A1 Pin 41
Tracking Error



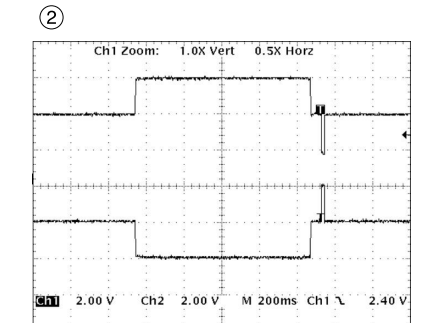
IC2A1 Pin 41
VBR TRACKING Error



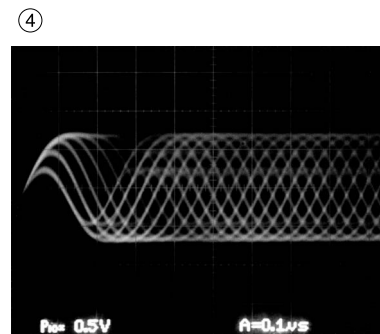
IC501 Pin 114
Component Y



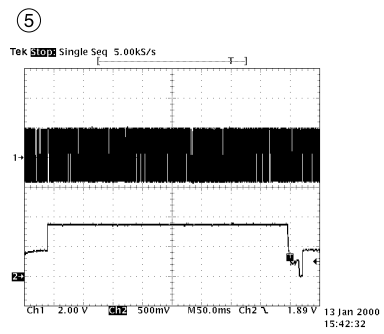
TURN(+)(-) Signal from µ-com



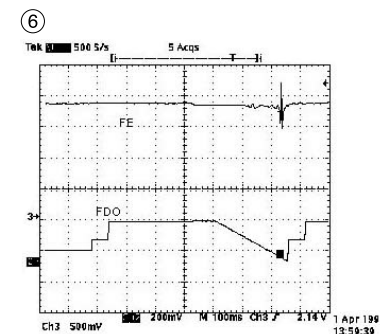
TURN(+)(-) from Motor Drive
Forward turn



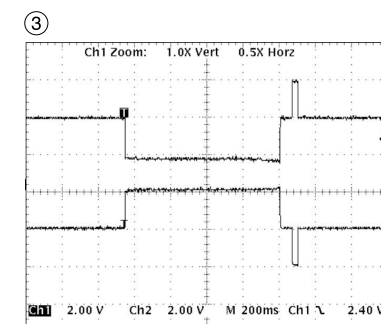
IC2A1 Pin 57,
RF



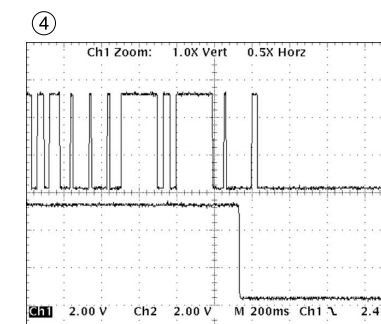
IC201 Pin 88, SLED Drive(FMO)
IC201 Pin 18, SLED FG



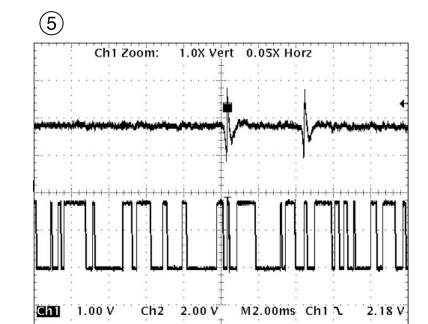
IC2A1 Pin42, Focus Error(in Focus Search)
IC201 Pin 83, Focus Drive(FDO)



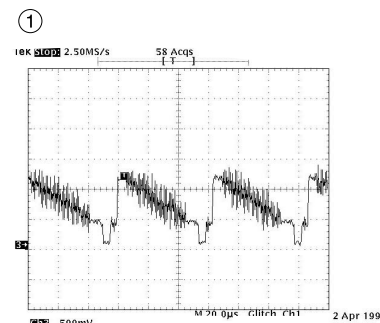
TURN(+)(-) from Motor Drive
Reverse turn



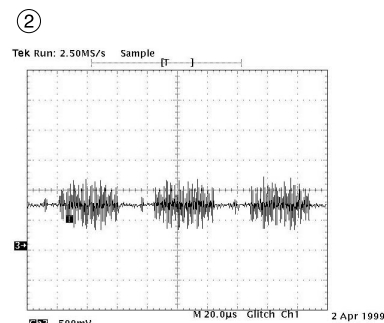
Sensor 1 (disc position)
Sensor 2 (disc ready)



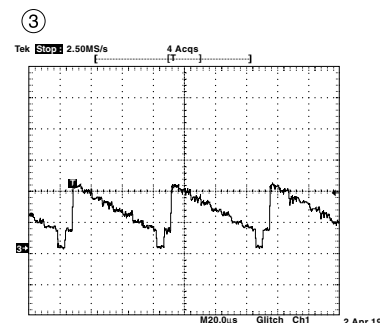
TE/TZC After tracking
servo ON (Play mode)



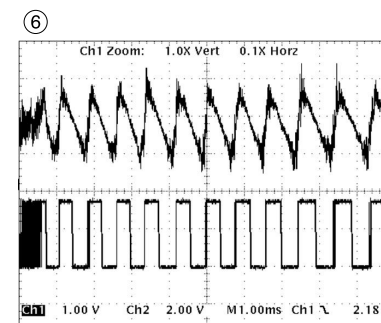
IC501 Pin 118, Composite



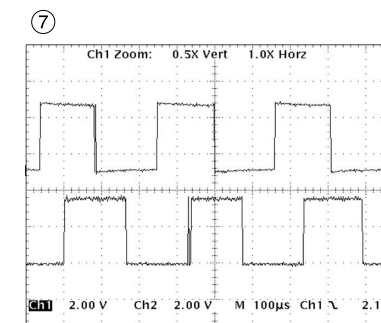
IC501 Pin 112, Chrominance
(Super video out Mode)



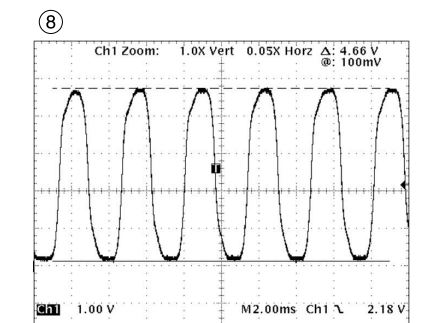
IC501 Pin 114, Luminance
(Super video out Mode)



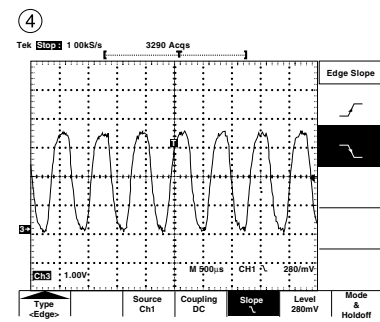
TE/TZC Before tracking
servo ON



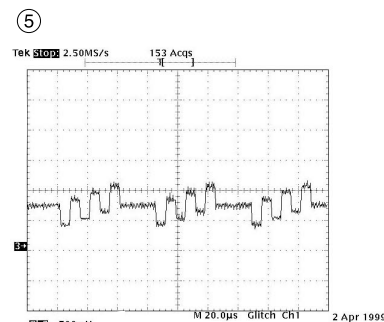
TZC/MIRR (Search mode)



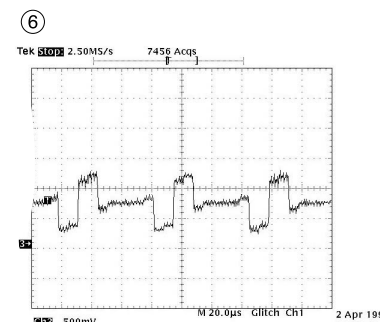
FG Signal from M/D
(Play mode)



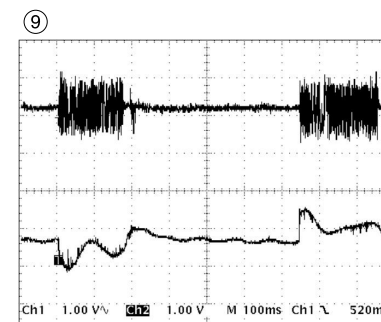
IC501 Pin 99,
PANTER MAIN



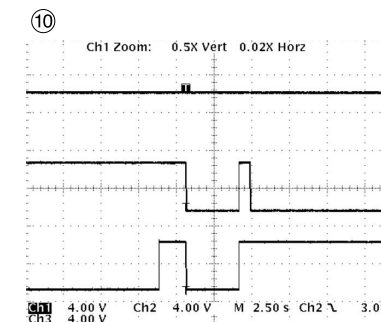
IC501 Pin 112
Component Pb



IC501 Pin 110
Component Pr

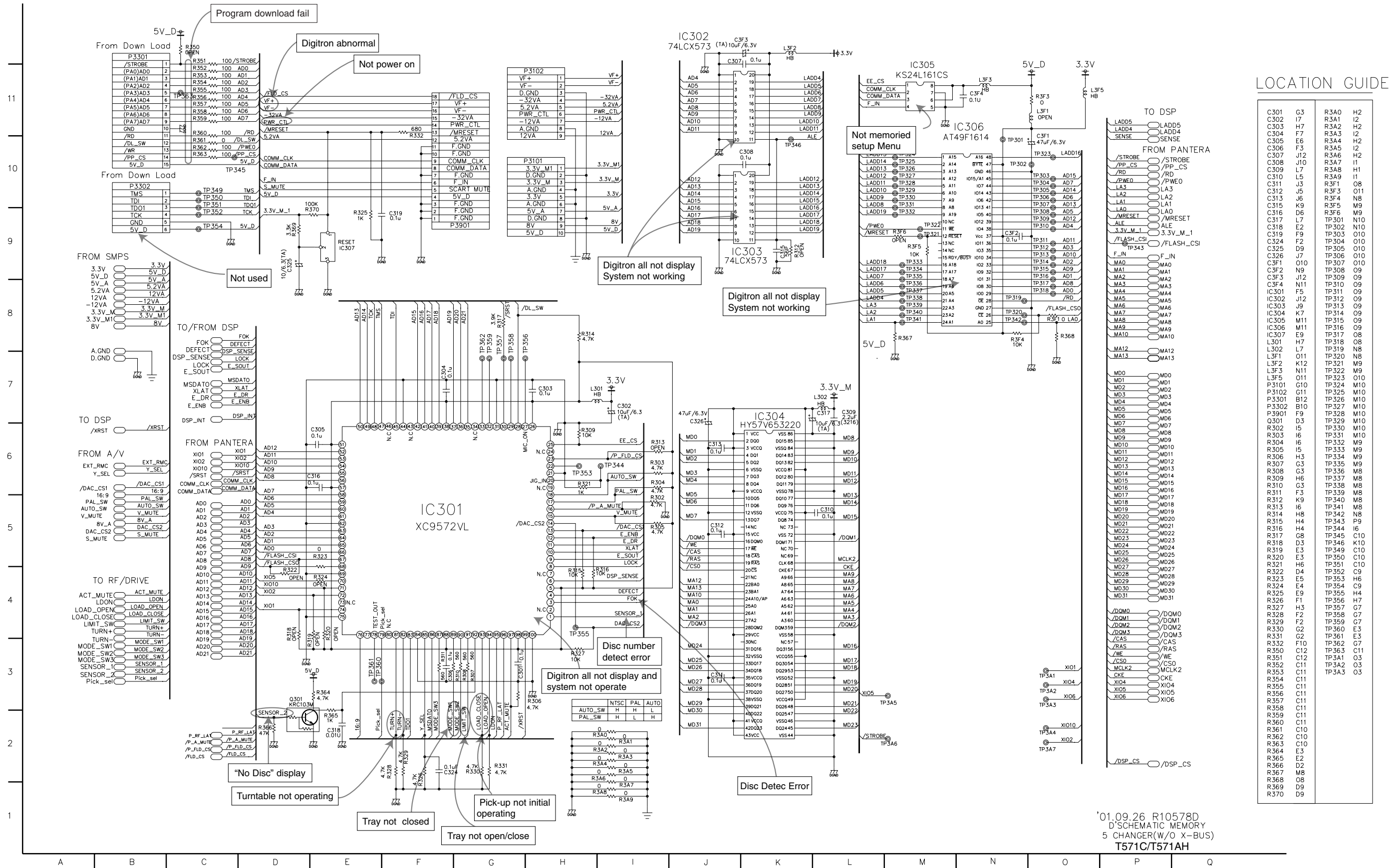


TE/SLD(+) Search mode
(outer => inner)



Tray open Tray closed

5. MEMORY CIRCUIT DIAGRAM

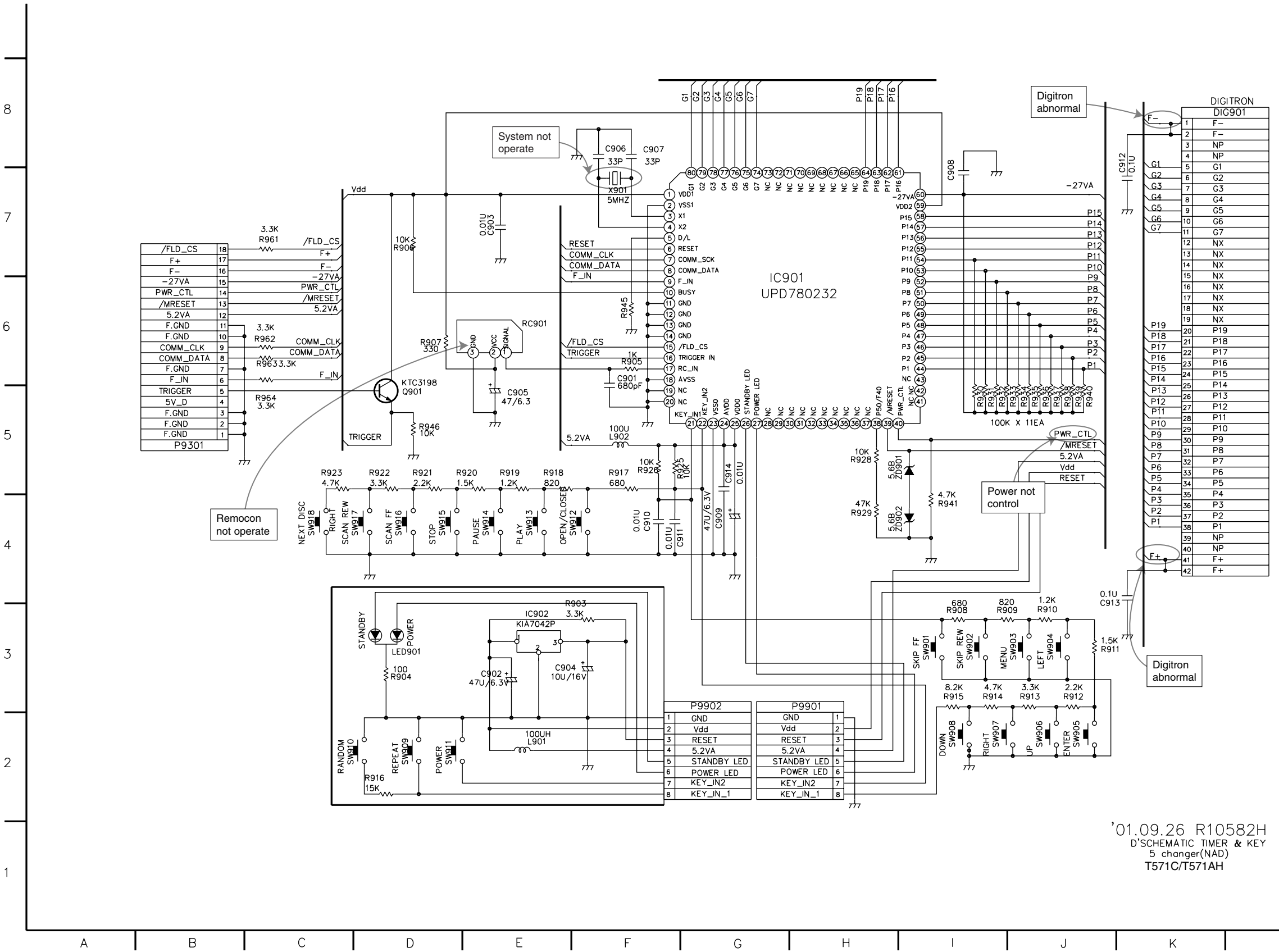


LOCATION GUIDE

C301	G3	R3A0	H2
C302	I7	R3A1	I2
C303	H7	R3A2	H2
C304	F7	R3A3	I2
C305	E6	R3A4	H2
C306	F3	R3A5	I2
C307	J2	R3A6	I1
C308	I0	R3A7	H1
C309	L7	R3A8	H1
C310	L5	R3A9	I1
C311	J3	R3F1	O8
C312	J5	R3F3	O11
C313	J6	R3F4	N8
C315	K9	R3F5	M9
C316	D6	R3F6	M9
C317	L7	TP301	N10
C318	E2	TP302	N10
C319	F9	TP303	O10
C324	F2	TP304	O10
C325	D9	TP305	O10
C326	J7	TP306	O10
C327	O10	TP307	O10
C328	N9	TP308	O10
C329	J2	TP309	O9
C330	N11	TP310	O9
C331	J5	TP311	O9
C332	J2	TP312	O9
C333	K7	TP313	O9
C334	J9	TP314	O9
C335	M11	TP315	O9
C336	M11	TP316	O9
C337	E9	TP317	O8
C338	L7	TP318	O8
C339	L7	TP319	N8
C340	K11	TP320	N8
C341	O2	TP321	M9
C342	N11	TP322	M9
C343	O10	TP323	O10
C344	G11	TP324	M10
C345	B12	TP325	M10
C346	B12	TP326	M10
C347	B10	TP327	M10
C348	F9	TP328	M10
C349	D3	TP329	M10
C350	I5	TP330	M10
C351	I6	TP331	M10
C352	I5	TP332	M9
C353	H3	TP333	M9
C354	G3	TP334	M9
C355	H3	TP335	M9
C356	H3	TP336	M8
C357	G6	TP337	M8
C358	D3	TP338	M8
C359	K3	TP339	M8
C360	K9	TP340	M8
C361	I6	TP341	M8
C362	H8	TP342	N8
C363	H4	TP343	P9
C364	H4	TP344	I6
C365	G8	TP345	O10
C366	D3	TP346	O10
C367	G3	TP347	O10
C368	E3	TP348	O10
C369	F1	TP349	O10
C370	H2	TP350	O10
C371	H6	TP351	O10
C372	D4	TP352	C9
C373	E5	TP353	H6
C374	E4	TP354	C9
C375	E9	TP355	H4
C376	F1	TP356	H7
C377	H3	TP357	G7
C378	F2	TP358	G7
C379	F2	TP359	G7
C380	G2	TP360	E3
C381	G2	TP361	E3
C382	F10	TP362	G7
C383	C12	TP363	C11
C384	C12	TP364	C11
C385	C11	TP365	H7
C386	C11	TP366	H7
C387	C11	TP367	H7
C388	C11	TP368	H7
C389	C11	TP369	H7
C390	C11	TP370	H7

'01.09.26 R10578D
D'SCHEMATIC MEMORY
5 CHANGER(W/O X-BUS)
T571C/T571AH

6. TIMER & KEY CIRCUIT DIAGRAM

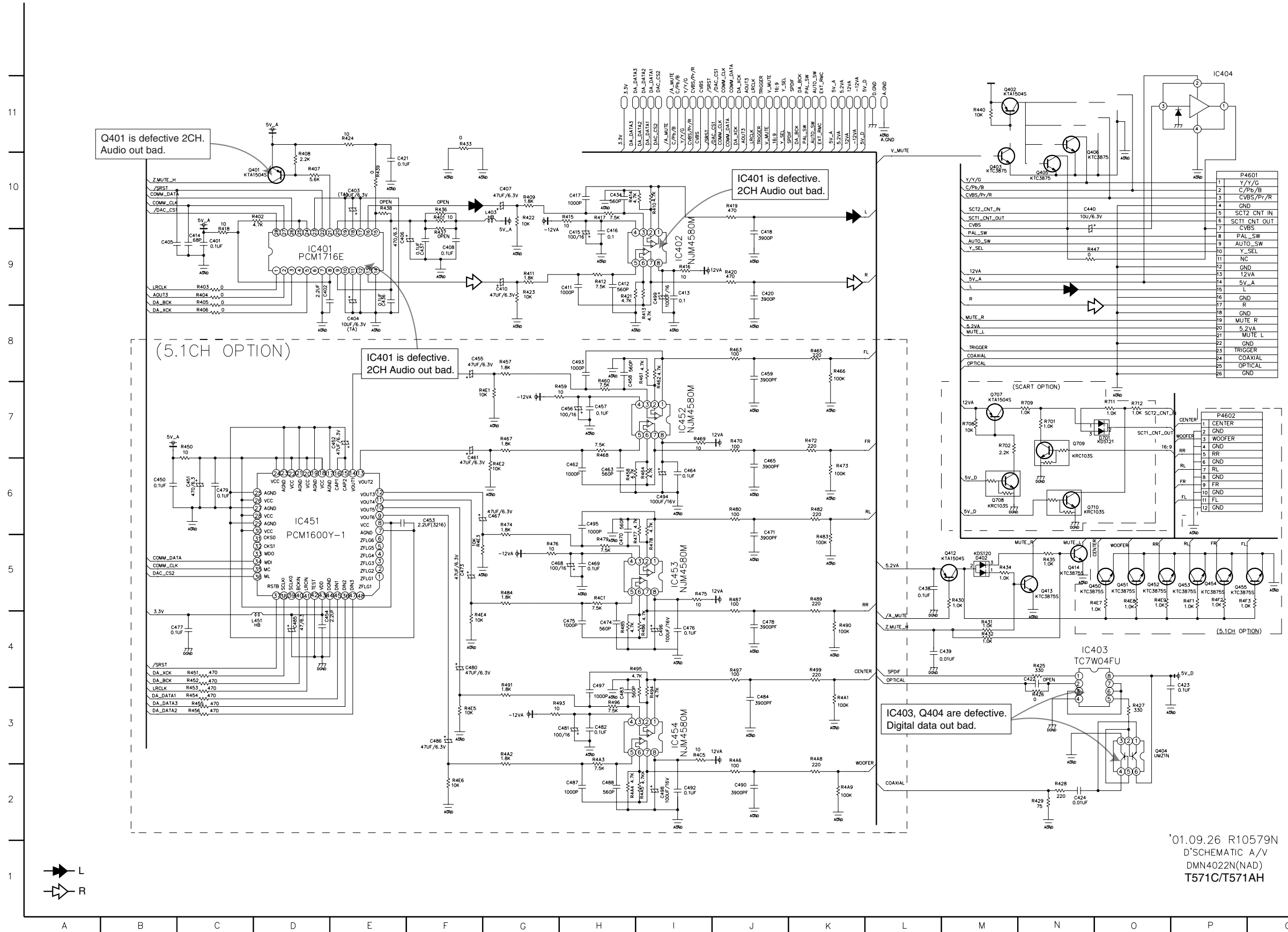


LOCATION GUIDE

C901	F6	RESET	E7
C902	E3	RESET	J5
C903	E7	SW901	I3
C904	E3	SW902	I3
C905	E5	SW903	J3
C906	F8	SW904	J3
C907	F8	SW905	J2
C908	I7	SW906	J2
C909	G4	SW907	I2
C910	F4	SW908	I2
C911	G4	SW909	D2
C912	K7	SW910	C2
C913	J3	SW911	D2
C914	G5	SW912	F4
DIG901	K8	SW913	E4
IC901	G6	SW914	E4
IC902	E3	SW915	D4
L901	E2	SW916	D4
L902	F5	SW917	D4
LED901	D3	SW918	C4
P9301	B5	X901	F7
P9901	H3	ZD901	I5
P9902	G3	ZD902	I4
Q901	D5		
R903	E3		
R904	D3		
R905	F6		
R906	D7		
R907	D6		
R908	I3		
R909	I3		
R910	J3		
R911	J3		
R912	J3		
R913	J3		
R914	I3		
R915	I3		
R916	D2		
R917	F5		
R918	E5		
R919	E5		
R920	D5		
R921	D5		
R922	D5		
R923	C5		
R925	G5		
R926	F5		
R928	H5		
R929	H4		
R930	I5		
R931	I5		
R932	I5		
R933	J5		
R934	J5		
R935	J5		
R936	J5		
R937	J5		
R938	J5		
R939	J5		
R940	J5		
R941	I4		
R945	F6		
R946	D5		
R961	C7		
R962	C6		
R963	C6		
R964	C5		
RC901	E6		

'01.09.26 R10582H
 D'SCHEMATIC TIMER & KEY
 5 changer(NAD)
 T571C/T571AH

7. AV CIRCUIT DIAGRAM

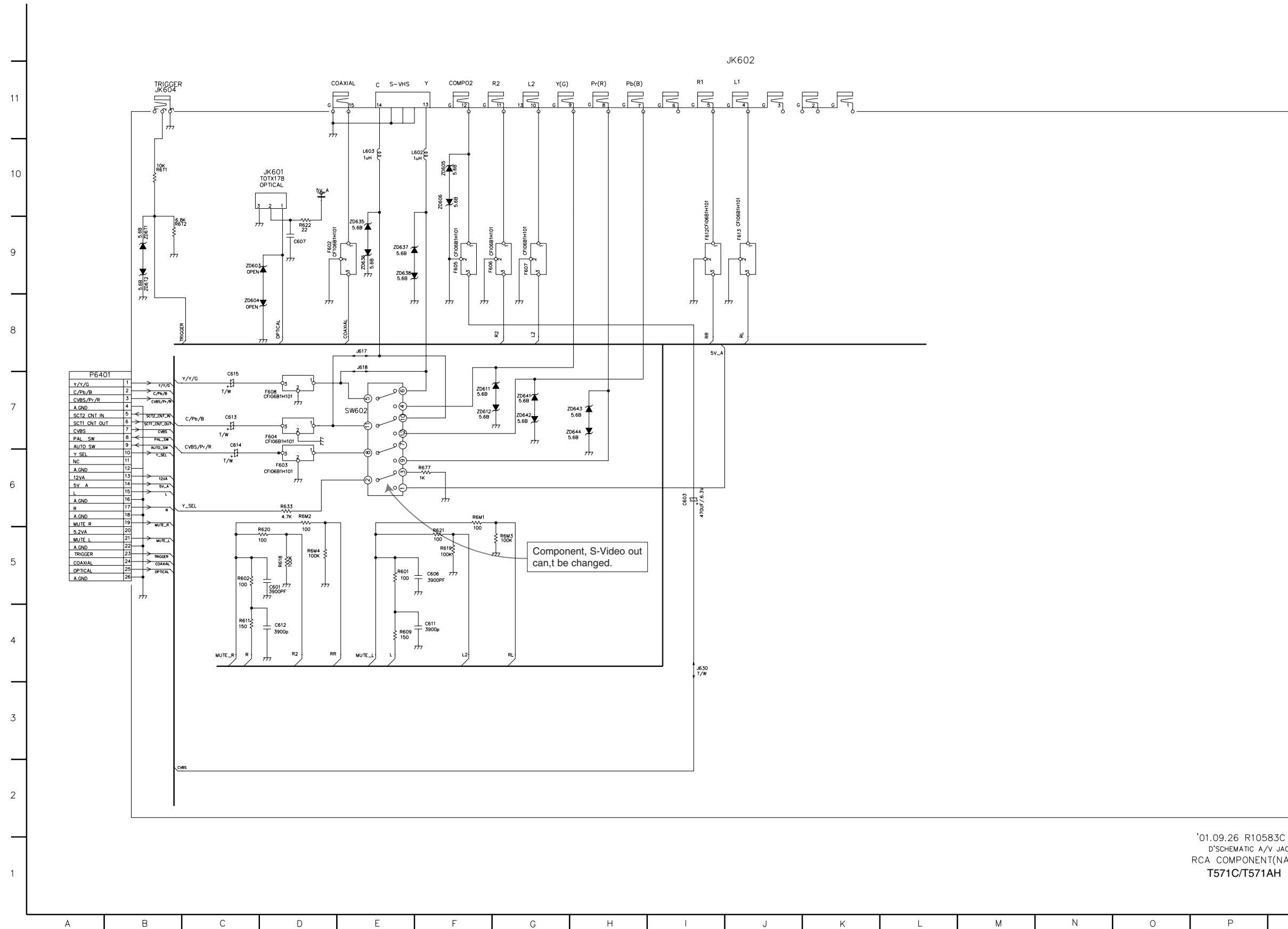


LOCATION GUIDE

C401	C9	Q401	C10	R466	K8
C402	D9	Q402	M11	R467	G7
C403	E10	Q403	M10	R468	H7
C404	E8	Q404	O3	R469	I7
C405	B9	Q405	N10	R470	J7
C406	E9	Q406	N10	R472	K7
C407	G10	Q407	N11	R473	K6
C408	C5	Q408	O11	R474	O6
C410	G9	Q412	M5	R475	I5
C411	H9	Q413	N5	R476	G5
C412	H9	Q414	N5	R477	I5
C413	I9	Q450	N5	R478	I5
C414	C9	Q451	O5	R479	H5
C415	H9	Q452	O5	R480	J6
C416	H9	Q453	P5	R482	K5
C417	H10	Q454	P5	R483	K5
C418	J9	Q455	P5	R484	G5
C420	J9	Q707	M7	R485	H4
C421	E10	Q708	M6	R486	I4
C422	N4	Q709	N7	R487	J5
C423	P4	Q710	N6	R489	K5
C424	N2	R401	F10	R490	K4
C434	H10	R402	C10	R491	G4
C436	E8	R403	C9	R493	G3
C437	F9	R404	C9	R494	I3
C438	L5	R405	C9	R495	H4
C439	L4	R406	C8	R496	H3
C440	N10	R407	D10	R497	J4
C448	B6	R408	D10	R498	K4
C452	E7	R409	G10	R499	K2
C453	F6	R410	H10	R4A2	G3
C454	D4	R411	G9	R4A3	H3
C455	F8	R412	H9	R4A4	H2
C456	H7	R413	I8	R4A5	I2
C457	H7	R414	H10	R4A6	J3
C458	H7	R415	H10	R4A8	K3
C459	I8	R416	I9	R4A9	K2
C461	F6	R417	H10	R4C1	H5
C462	H6	R418	C9	R4C5	I3
C463	H6	R419	J10	R4E1	F7
C464	I6	R420	J9	R4E2	G6
C465	J6	R421	H9	R4E3	F5
C467	G6	R422	G10	R4E4	F4
C469	H5	R424	E11	R4E6	F2
C470	H5	R425	N4	R4E7	N5
C471	J6	R426	N3	R4E8	O5
C473	F5	R427	O3	R4E9	O5
C474	H4	R428	N2	R4F1	P5
C475	H4	R429	N2	R4F2	P5
C476	I4	R430	M5	R4F3	P5
C477	B4	R431	M4	R701	N7
C478	J4	R432	M4	R702	M7
C479	C6	R433	F11	R708	M7
C480	F4	R434	M5	R709	N7
C481	G3	R435	N5	R711	O7
C482	H3	R436	F10	R712	O7
C483	H3	R437	F9		
C484	J3	R438	E10		
C485	D4	R439	E10		
C486	F3	R440	M11		
C487	H2	R441	M11		
C488	H2	R442	M11		
C490	J2	R443	N11		
C492	I2	R444	N11		
C493	H8	R445	N11		
C494	I6	R446	N10		
C495	H6	R447	N9		
C496	I4	R450	C7		
C497	H4	R451	C4		
C498	I2	R452	C4		
C499	I9	R453	C3		
IC401	O9	R454	C3		
IC402	I9	R455	C3		
IC403	N4	R456	C3		
IC404	P11	R457	G8		
IC451	D6	R458	H6		
IC452	I7	R459	G7		
IC453	I5	R460	H7		
IC454	I3	R461	I7		
L403	G10	R462	I7		
L451	C4	R463	J8		
D402	M5	R464	I6		
D701	O7	R465	K8		

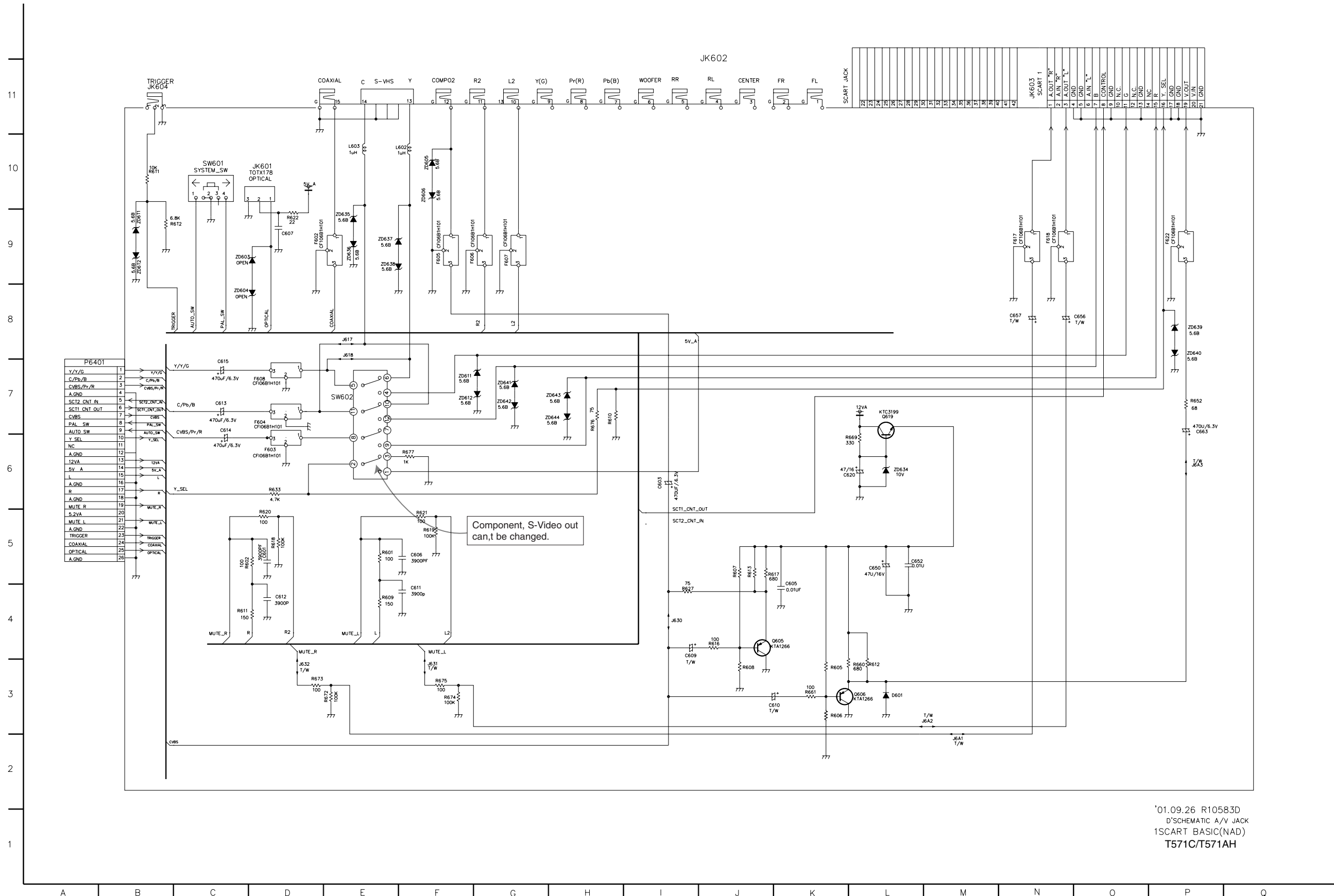
'01.09.26 R10579N
D'SCHEMATIC A/V
DMN4022N(NAD)
T571C/T571AH

8. A/V JACK CIRCUIT DIAGRAM (T571AH ONLY)



'01.09.26 R10583C
 D'SCHEMATIC A/V JACK
 RCA COMPONENT(NAD)
 T571C/T571AH

9. SCART CIRCUIT DIAGRAM (T571C ONLY)



'01.09.26 R10583D
 D'SCHEMATIC A/V JACK
 1SCART BASIC(NAD)
 T571C/T571AH

• CIRCUIT VOLTAGE CHART

MODE PIN NO.	LEVEL(V)
PANTERA	
IC 501	
1	3.18
2	1.3
3	1.4
4	2.2
5	1.5
6	0
7	1.5
8	1.4
9	1.6
10	3.1
11	0.7
12	0.15
13	0.15
14	0
15	0
16	1.7
17	1.4
18	0
19	1.5
20	1.6
21	0
22	1.6
23	0
24	3.1
25	1.7
26	1.4
27	3.1
28	1.5
29	0.15
30	0
31	0
32	0.7
33	1.5
34	2.2
35	2
36	3.1
37	2.9
38	2.2
39	2.9
40	0
41	0
42	0
43	1.6
44	3.1
45	1.6
46	1.5
47	0
48	1.4
49	0
50	1.5
51	1.7
52	1.2
53	3.1

MODE PIN NO.	LEVEL(V)
54	1.6
55	1.4
56	1.5
57	0
58	1.6
59	1.4
60	1.5
61	1.4
62	3.1
63	1
64	1.5
65	0.005
66	0.5
67	0.003
68	1.58
69	0
70	3.1
71	1.2
72	1.2
73	1.2
74	1.2
75	3.1
76	1.65
77	2.2
78	1.5
79	1.5
80	3.1
81	3.1
82	0.001
83	3.1
84	3.7
85	0
86	
87	3.1
88	3.1
89	2.1
90	0.004
91	3.1
92	0
93	
94	
95	
96	
97	0
98	
99	
100	0
101	2.1
102	3.1
103	0
104	0
105	0
106	0
107	2.1
108	2.1

MODE PIN NO.	LEVEL(V)
109	0
110	0.8
111	0.9
112	1.3
113	3.1
114	0.78
115	0
116	1.26
117	2.38
118	0.08
119	1.2
120	2
121	0
122	3.1
123	3.1
124	3.1
125	3.1
126	
127	
128	
129	
130	
131	
132	0
133	
134	
135	2.2
136	
137	3.1
138	3.1
139	3.1
140	3.1
141	3.1
142	3.1
143	3.1
144	3.1
145	3.1
146	3.1
147	0
148	3.1
149	3.1
150	3.1
151	3.1
152	3.1
153	3.1
154	3.1
155	3.1
156	3.1
157	3.1
158	3.1
159	2.2
160	1.5
161	3.1
162	
163	0

MODE PIN NO.	LEVEL(V)
164	3.1
165	3.1
166	3.1
167	3.1
168	3.1
169	3.1
170	3.1
171	0
172	3.1
173	3.1
174	3.1
175	1.5
176	3.1
177	0
178	3.1
179	3.1
180	3.1
181	3.1
182	3.18
183	0.086
184	3
185	2.4
186	2.3
187	0
188	0
189	3.1
190	0
191	0.017
192	2.2
193	3.1
194	3.1
195	0
196	3.18
197	1.3
198	3.1
199	3.1
200	3.1
201	0
202	2.3
203	3.1
204	0.001
205	3.1
206	3.1
207	3.1
208	1.6
209	3.1
210	3.18
211	0.018
212	2.2
213	3.19
214	2.69
215	1.5
216	2.9
217	2.59
218	0

MODE PIN NO.	LEVEL(V)
219	2.29
220	2.08
221	2.29
222	2.29
223	2.49
224	3.1
225	2.39
226	2.45
227	1.5
228	0
229	1.52
230	0
231	1.61
232	1.6
233	3.1
234	1.6
235	1.6
236	1.5
237	0
238	1.6
239	1.4
240	1.5

MODE PIN NO.	LEVEL(V)
MEMORY	
IC 301	
1	4.3
2	
3	3.1
4	0
5	3.2
6	2
7	
8	3.1
9	0.01
10	3.1
11	3.2
12	3.2
13	3.2
14	3.2
15	0
16	3.1
17	3.1
18	3.1
19	0
20	0
21	0
22	0
23	3
24	
25	0.625
26	3.2
27	0.705
28	3.2
29	3.1
30	
31	0
32	
33	
34	
35	3.1
36	3.1
37	2.39
38	3.2
39	1.49
40	1.5
41	3.09
42	1.69
43	0
44	3.1
45	
46	3.1
47	
48	2.5
49	3.1
50	3.1
51	3.2
52	3.1
53	3.1

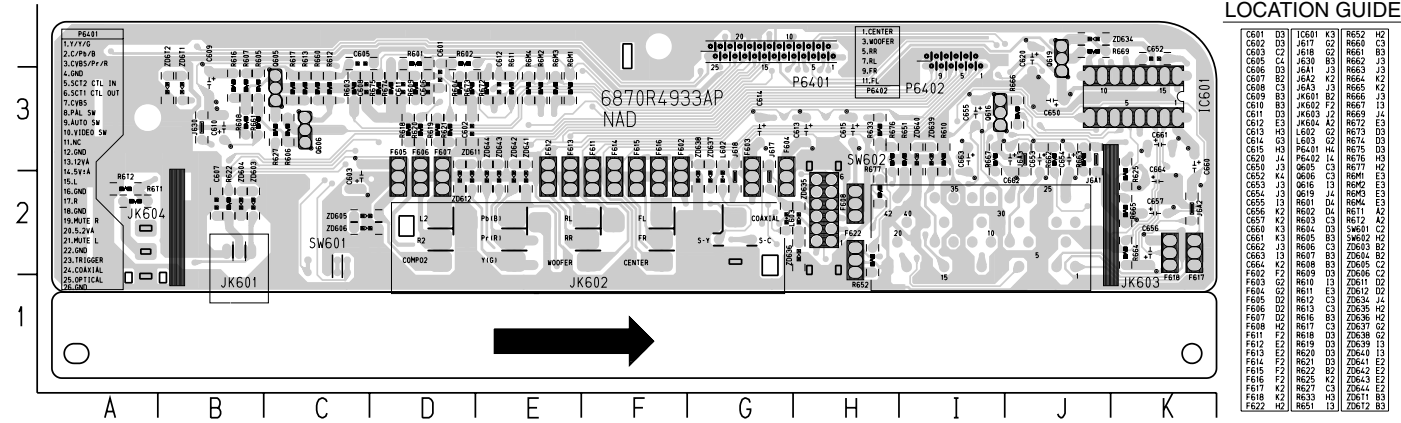
MODE PIN NO.	LEVEL(V)
54	3.1
55	3.1
56	3.1
57	3.1
58	3.1
59	3.1
60	3.1
61	0.5
62	0
63	3.1
64	3.1
65	3.1
66	3.1
67	3.1
68	1.6
69	0
70	0
71	3.1
72	0
73	
74	3.1
75	0
76	3.2
77	0
78	3.1
79	0.3
80	
81	0
82	0
83	2.5
84	0
85	3.19
86	3.19
87	4.4
88	3.19
89	4.4
90	0
91	4.4
92	0
93	0
94	0
95	0
96	0
97	3.17
98	3.17
99	3.1
100	0

MODE PIN NO.	EE	PLAY
D S P		
IC201 SP3301		
1	2.00	1.30
2	2.00	1.30
3	2.00	1.30
4	2.00	1.30
5	2.00	1.30
6	2.00	1.30
7	2.00	1.30
8	2.00	1.30
9	2.00	1.30
10	2.00	1.30
11	2.00	1.30
12	2.00	1.30
13	2.00	1.30
14	2.00	1.30
15	2.00	1.30
16	2.00	1.30
17	0.00	0.00
18	0.00	1.50
19	0.00	1.50
20	0.00	1.50
21	0.00	1.50
22	3.10	3.00
23	0.00	1.50
24	0.00	1.50
25	0.00	1.50
26	0.00	1.50
27	0.00	1.50
28	2.10	1.50
29	0.00	0.00
30	2.10	2.00
31	3.10	3.00
32	3.10	1.50
33	3.10	2.50
34	3.10	2.50
35	2.10	1.30
36	1.10	1.80
37	0.00	0.00
38	0.00	0.00
39	0.00	0.00
40	3.10	3.00
41	0.00	0.00
42	3.10	3.00
43	0.00	0.00
44	0.00	0.00
45	3.10	3.00
46	0.00	0.00
47	0.00	0.00
48	0.00	0.00
49	0.00	3.00
50	0.00	0.00
51	0.00	0.00
52	3.10	1.80
53	0.00	0.00

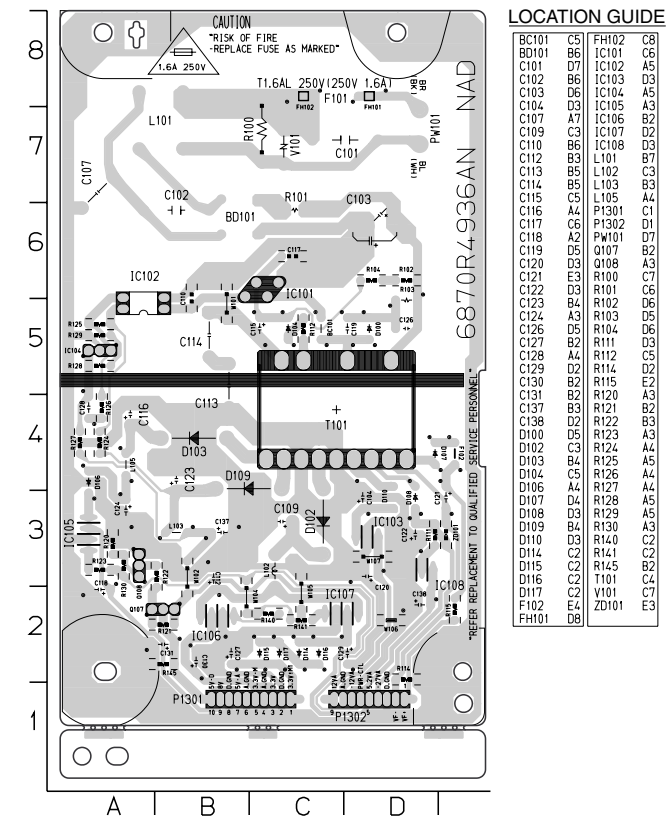
MODE PIN NO.	EE	PLAY
54	3.10	3.00
55	3.10	3.00
56	0.00	0.00
57	0.00	3.13
58	5.00	4.98
59	0.00	0.00
60	0.00	0.00
61	5.00	4.98
62	0.00	0.00
63	2.10	2.10
64	0.00	0.00
65	3.10	3.00
66	0.00	0.00
67	3.10	3.12
68	0.00	0.00
69	0.00	0.20
70	0.00	0.00
71	3.10	3.10
72	0.00	0.20
73	0.00	0.00
74	3.10	3.10
75	0.00	0.00
76	0.00	0.00
77	0.00	0.00
78	0.00	2.30
79	3.10	3.10
80	5.00	5.00
81	0.00	0.00
82	5.00	5.00
83	2.10	2.00
84	2.10	2.10
85	3.10	3.10
86	1.40	1.40
87	0.00	0.00
88	2.10	2.00
89	2.10	2.00
90	0.00	0.00
91	1.50	1.55
92	3.10	3.12
93	1.60	1.55
94	1.10	1.11
95	2.00	2.00
96	1.55	1.55
97	0.00	0.00
98	1.55	1.55
99	1.56	2.15
100	3.10	3.10
101	1.55	1.58
102	1.55	1.55
103	1.62	1.64
104	1.55	1.55
105	1.50	1.50
106	0.00	0.00
107	0.00	0.00
108	0.00	0.00

MODE PIN NO.	EE	PLAY
109	0.00	0.00
110	0.00	0.00
111	0.00	0.00
112	0.00	0.00
113	3.40	4.70
114	5.00	5.00
115	1.50	1.50
116	1.50	1.53
117	3.10	3.10
118	0.00	0.00
119	0.00	0.00
120	3.50	4.20
121	3.25	4.20
122	3.45	4.30
123	3.50	4.30
124	3.50	4.30
125	3.50	4.50
126	0.00	0.00
127	3.60	2.60
128	0.00	0.00
129	3.60	2.60
130	0.00	0.20
131	0.00	0.00
132	0.00	3.10
133	3.10	3.10
134	0.00	0.00
135	0.00	0.00
136	3.10	2.20
137	0.00	0.00
138	0.00	0.00
139	3.10	3.10
140	3.00	3.10
141	0.00	0.00
142	3.00	3.00
143	3.10	3.10
144	3.10	3.10
145	3.10	0.90
146	3.50	4.50
147	0.00	0.00
148	0.00	0.00
149	0.00	0.00
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151	0.00	0.00
152	0.00	0.00
153	0.00	0.00
154	0.00	0.00

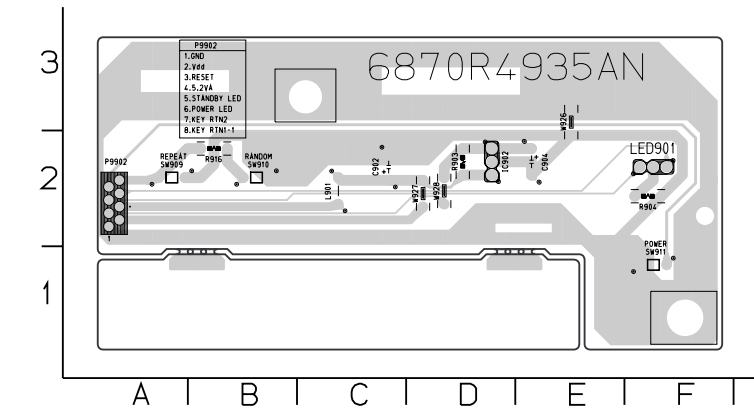
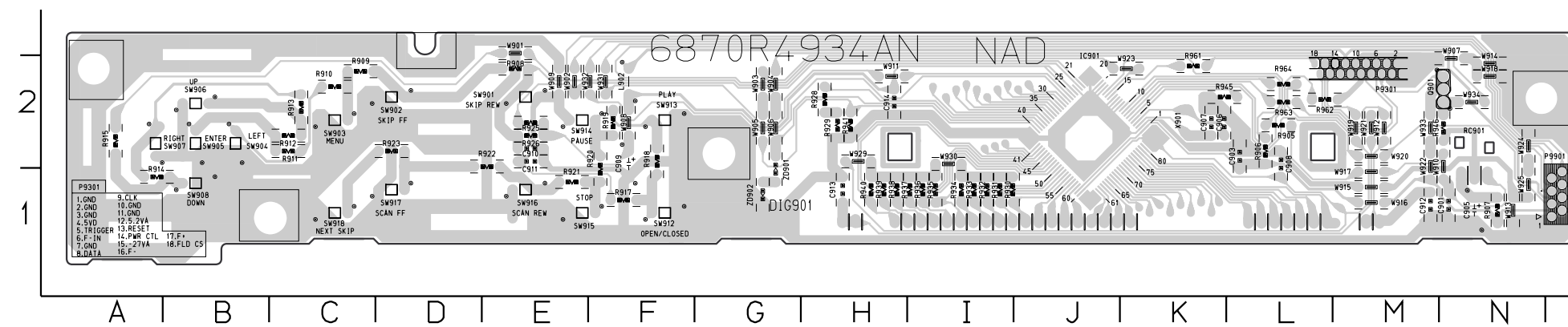
2. AV JACK P.C.BOARD



3. SMPS P.C.BOARD



4. FRONT P.C.BOARD



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SECTION 2CABINET & MAIN CHASSIS

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SECTION 4MECHANISM

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SECTION 1

SUMMARY

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PRODUCT SAFETY SERVICING GUIDELINES FOR VIDEO PRODUCTS	1-3
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IMPORTANT SAFETY PRECAUTIONS

Prior to shipment from the factory, the products are strictly inspected to conform with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

• Precautions during Servicing

1. Locations requiring special caution are denoted by labels and inscriptions on the cabinet, chassis and certain parts of the product. When performing service, be sure to read and comply with these and other cautionary notices appearing in the operation and service manuals.
2. Parts identified by the \triangle symbol and shaded (\sphericalangle) parts are critical for safety. Replace only with specified part numbers.
Note : Parts in this category also include those specified to comply with X-ray emission standards for products using cathode ray tubes and those specified for compliance with various regulations regarding spurious radiation emission.
3. Use Specified internal wiring. Note especially:
 - 1) Double insulated wires
 - 2) High voltage leads
4. Use specified insulating materials for hazardous live parts. Note especially:
 - 1) Insulation Tape
 - 2) PVC tubing
 - 3) Spacers
 - 4) Insulation sheets for transistor
5. Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.)
6. Check that replaced wires do not contact sharp edged or pointed parts.
7.
 - 1) When a power cord has been replaced, check that A mark is made on the cord, under strain, near the aperture, and the flexible cord is subjected 100 times to a pull of 40N for a duration of 1 second each.
 - 2) During the test, the cord shall not be displaced by more than 2mm
8. Also check areas surrounding repaired locations.

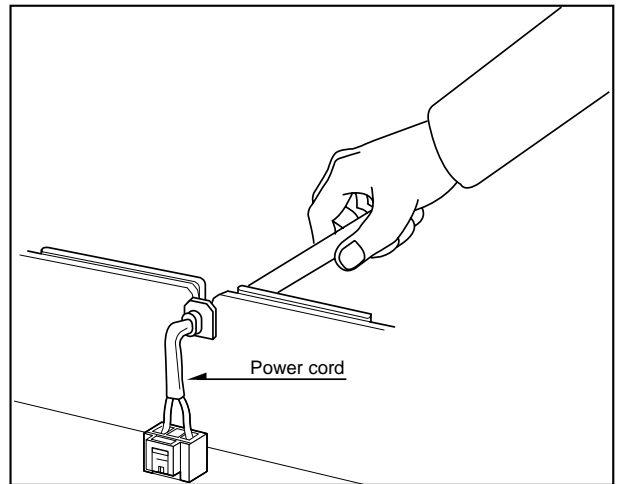


Fig. 1

SAFETY CHECK AFTER SERVICING

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions. Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

• Insulation resistance test

confirm the specified insulation resistance or greater between power cord plug prongs and externally exposed parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.) See table below.

• Dielectric strength test

Confirm specified dielectric strength or greater between power cord prongs and exposed accessible parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.) See table below.

• Clearance distance

When replacing primary circuit components, confirm specified clearance distance (d), (d') between soldered terminals, and between terminals and surrounding metallic parts. See table below.

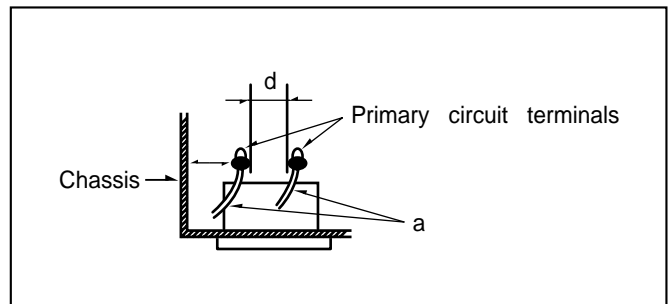


Fig. 2

Table 1 : Ratings for selected areas

AC Line Voltage	Region	Insulation Resistance	Dielectric Strength	Clearance Distance(d),(d')
200 to 240 V *100 to 130 V	Europe Australia	≥ 10 MΩ/500 V DC	4kV 1 minute	≥ 6mm(d) ≥ 8mm(d) (a Power cord)

* Class II model only.

Note. This table is unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

• Leakage Current test

Confirm specified or lower leakage current between B(earth ground, power cord plug prongs) and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.)

Measuring Method: (Power ON)

Insert load Z between B(earth ground, power cord plug prongs) and exposed accessible parts. Use an AC voltmeter to measure across both terminals of load Z. See figure and following table.

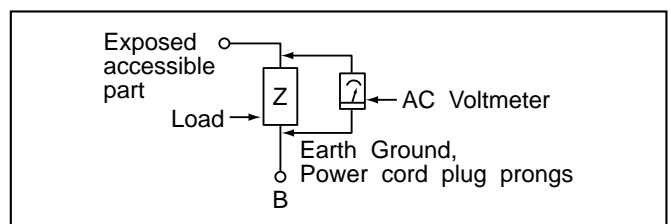


Fig. 3

Table 2: Leakage current ratings for selected areas.

AC Line Voltage	Region	Load Z	Leakage Current(i)	Earth Ground (B) to :
200 to 240 V	Europe	2kΩ	i E 0.7m A peak i E 2m A DC	Antenna earth terminals
100 to 130 V	Australia	50kΩ	i E 0.7m A peak i E 2m A DC	Other terminals

Note. This table is for IEC member only. Be sure to confirm the precise values for your particular country and locality.

SPECIFICATIONS

DVD VIDEO PLAYER

Power supply	AC 120 V, 60 Hz (T571AH) AC 110~240 V, 50/60 Hz (T571C)
Power consumption	16 W
Mass	5.7 kg(12.6 lbs)
External dimensions	440 x 118 x 423 mm (W x H x D)
Signal system	NTSC (T571AH) PAL (T571C)
Laser	(DVD) Semiconductor laser, wavelength 650 nm (CD) 780 nm
Frequency range (audio)	DVD : fs = 96 kHz 4 Hz - 44 kHz fs = 48 kHz 4 Hz - 22 kHz CD: 4 Hz - 20 kHz
Signal-to-noise ratio (audio)	More than 105dB (EIAJ)
Audio dynamic range (audio)	More than 100dB (EIAJ)
Harmonic distortion(audio)	0.003%
Wow and flutter	Below measurable level (less than +0.001%(W.PEAK)) (EIAJ)
Operations	Temperature : 5°C(41°F) to 35°C(95°F), Operation status : Horizontal

OUTPUTS

Video outputs	1.0V(p-p), 75Ω, negative sync., RCA jack x 1/ SCART(TO TV) (T571C ONLY)
S-video outputs	(Y)1.0V(p-p), 75Ω, negative sync.,Mini DIN 4-pin x 1 (C)0.286V(p-p), 75Ω
Component video output	(Y)1.0V(p-p), 75Ω,negative sync., RCA jack x 1 (Pb)/(Pr) 0.7V(p-p), 75Ω
Audio output(digital audio)	0.5V(p-p), 75Ω, RCA jack X 1/SCART(TO TV) (T571C ONLY)
Audio output(analog audio)	2.0Vrms (1kHz, 0dB), 330Ω, RCA jack (L, R) x 2/ SCART(TO TV) (T571C ONLY)

*Designs and specifications are subject to change without notice.

SECTION 2

CABINET & MAIN CHASSIS

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DISASSEMBLY

CAUTION BEFORE STARTING SERVICING

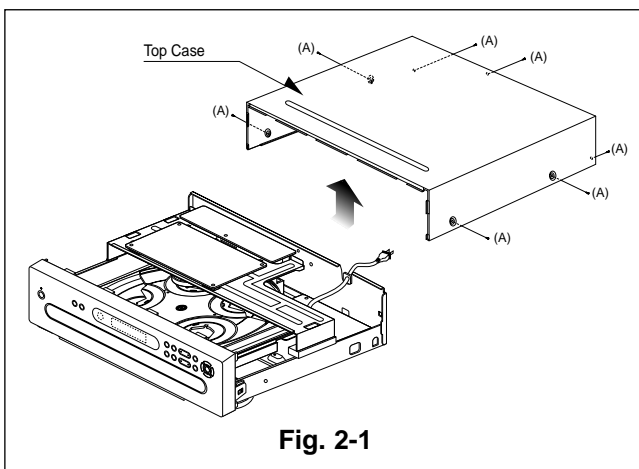
Electronic parts are susceptible to static electricity and may easily be damaged, so do not forget to take a proper grounding treatment as required.

Many screws are used inside the unit. To prevent missing, dropping, etc. of the screws, always use a magnetized screw driver in servicing. Several kinds of screws are used and some of them need special cautions. That is, take care of the tapping screws securing molded parts and fine pitch screws used to secure metal parts. If they are used improperly, the screw holes will be easily damaged and the parts can not be fixed.

CABINET DISASSEMBLY

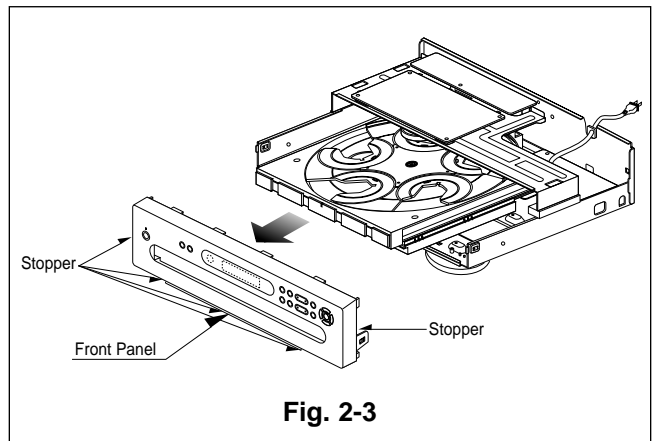
1. Top Case

1. Release 7 screws (A). (See Fig. 2-1)
2. Lift the top case with holding the back of it, and remove it in the direction of the arrow.



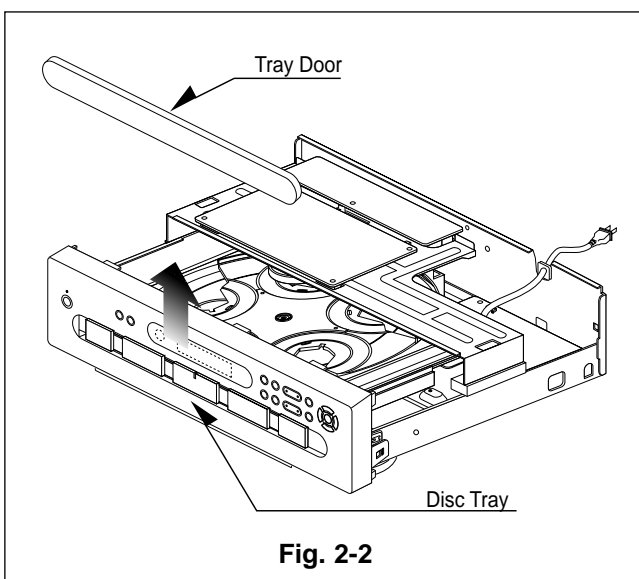
3. Front Panel

1. Eject the disc tray. (See Fig. 2-2)
2. Remove the tray door. (See Fig. 2-2)
3. Pull the front panel toward you while pressing 5 stoppers to disengage, and remove the front panel. (See Fig. 2-3)



2. Tray Door

1. Eject the disc tray.
2. Lift up the tray door in the direction of the arrow.



CIRCUIT BOARD DISASSEMBLY

Note: Before removing the main circuit board, be sure to shortcircuit the laserdiode output land.
 After replacing the main circuit board, open the land after inserting the flexible connector.
 (Refer to Mechanism Disassembly)

1. Disassemble Main circuit board, Jack circuit board, Power circuit board and MD Ass'y DPM1.

1. Remove the top case.(See Fig. 2-1)
2. Remove 10 screws (B).
3. Disassemble Main circuit board and Jack circuit board from Bracket Main.
4. Unscrew 3 screws(C) at Bracket Main.
5. Disassemble Bracket Main from Main chassis.
6. Unscrew 4 screws(D) at MD Ass'y DPM1.
7. Turn the portion the direction of arrow to move the Base Assembly Tray in front of you.
8. Release the other 3 screws(E).
9. Disassemble MD Ass'y DPM1 from Main chassis.
10. Unscrew 4 screws(F) at Power circuit.
11. Disassemble power circuit board from Main chassis.

2. Digitron and Key Circuit Board

1. Remove the front panel.(See Fig. 2-3)
2. Release 6 screws (G), and remove the digitron circuit board.

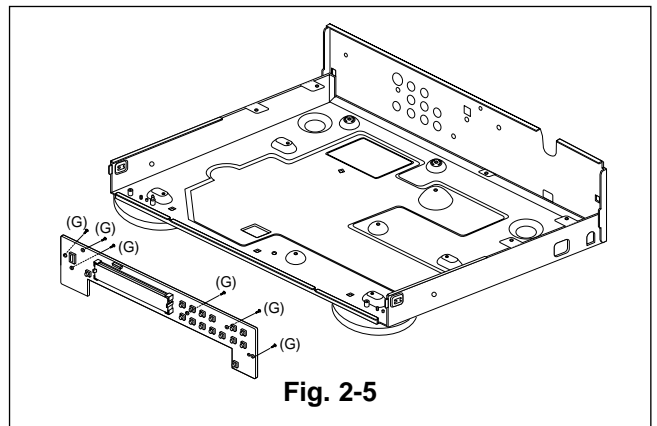


Fig. 2-5

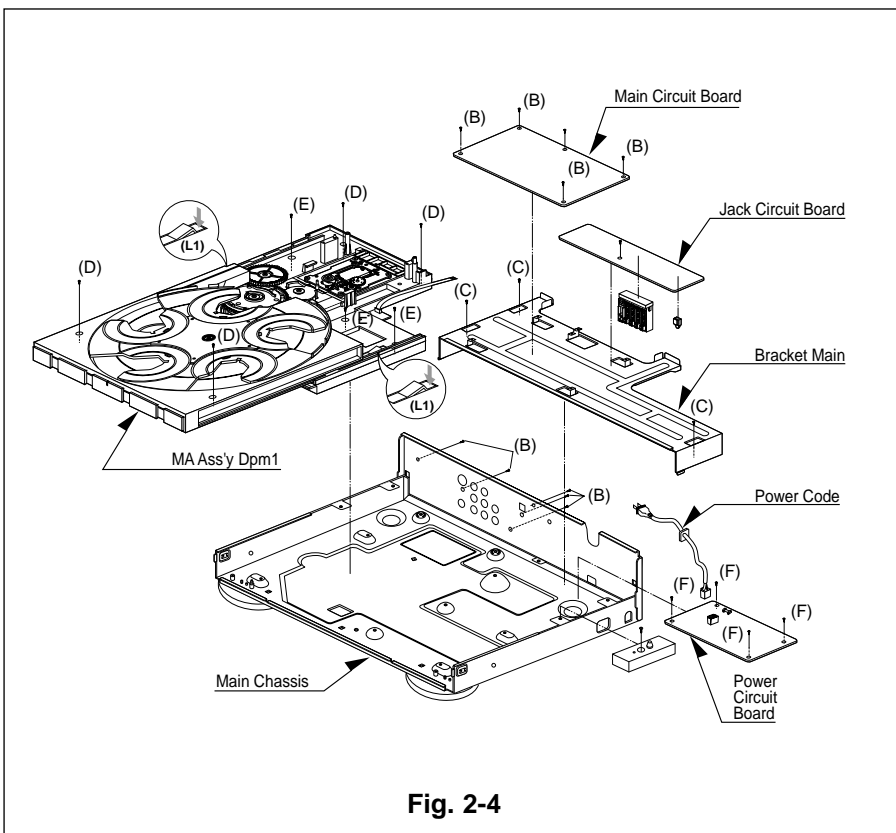
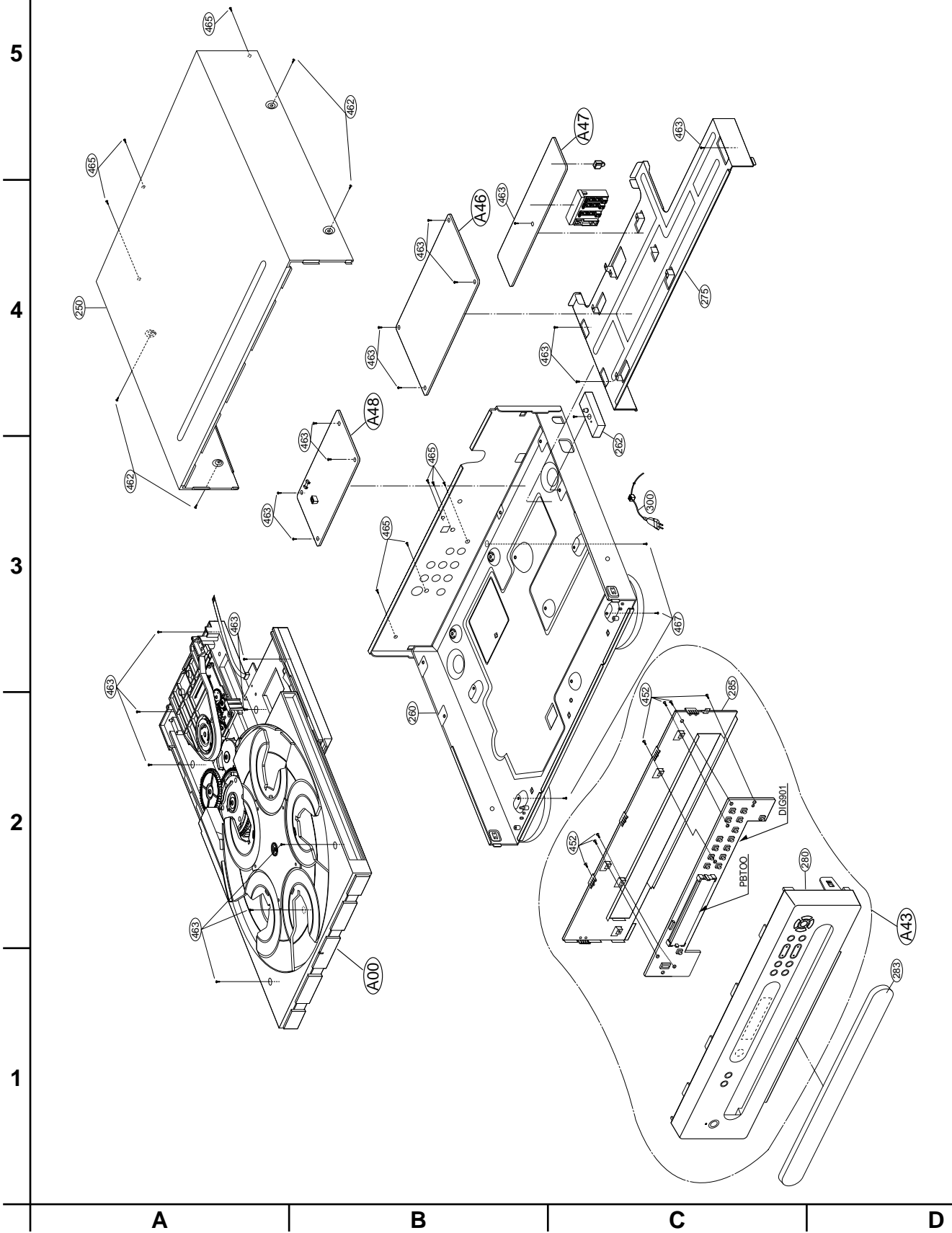


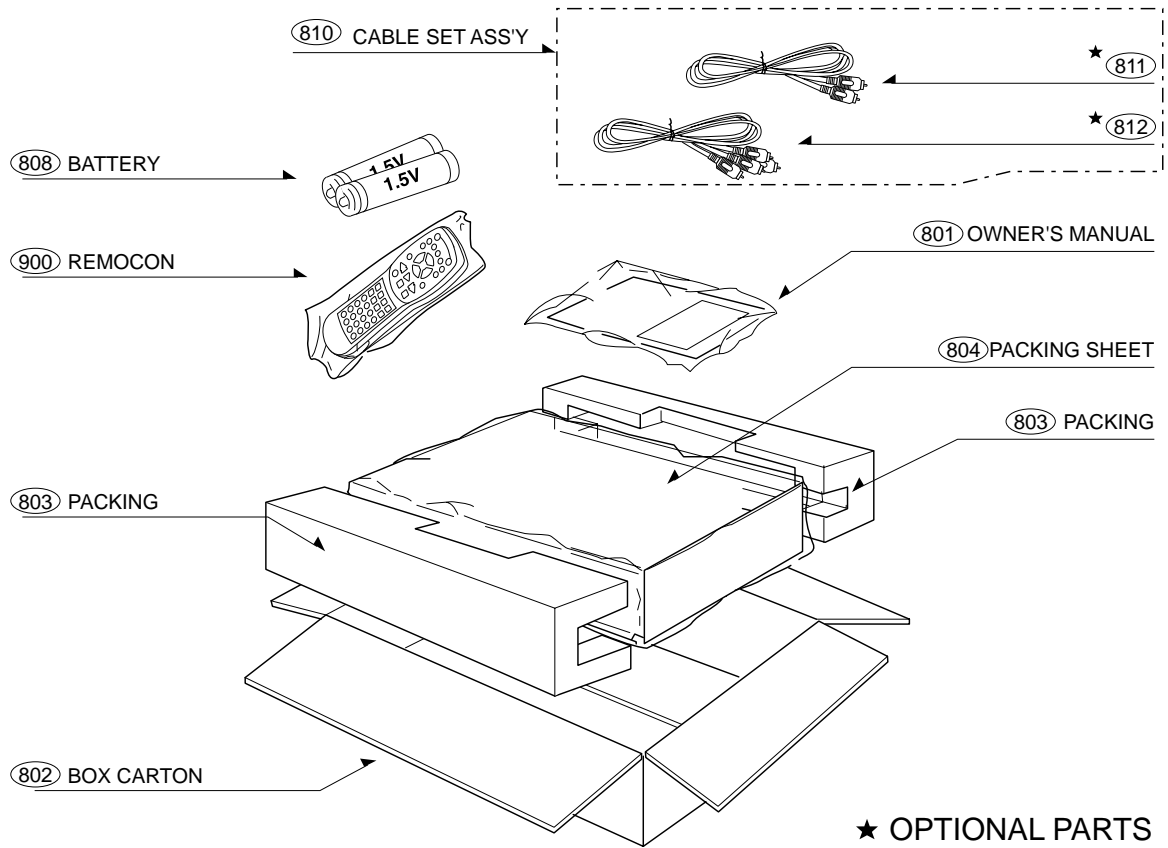
Fig. 2-4

EXPLODED VIEWS

1. Cabinet and Main Frame Section



2.Packing Accessory Section

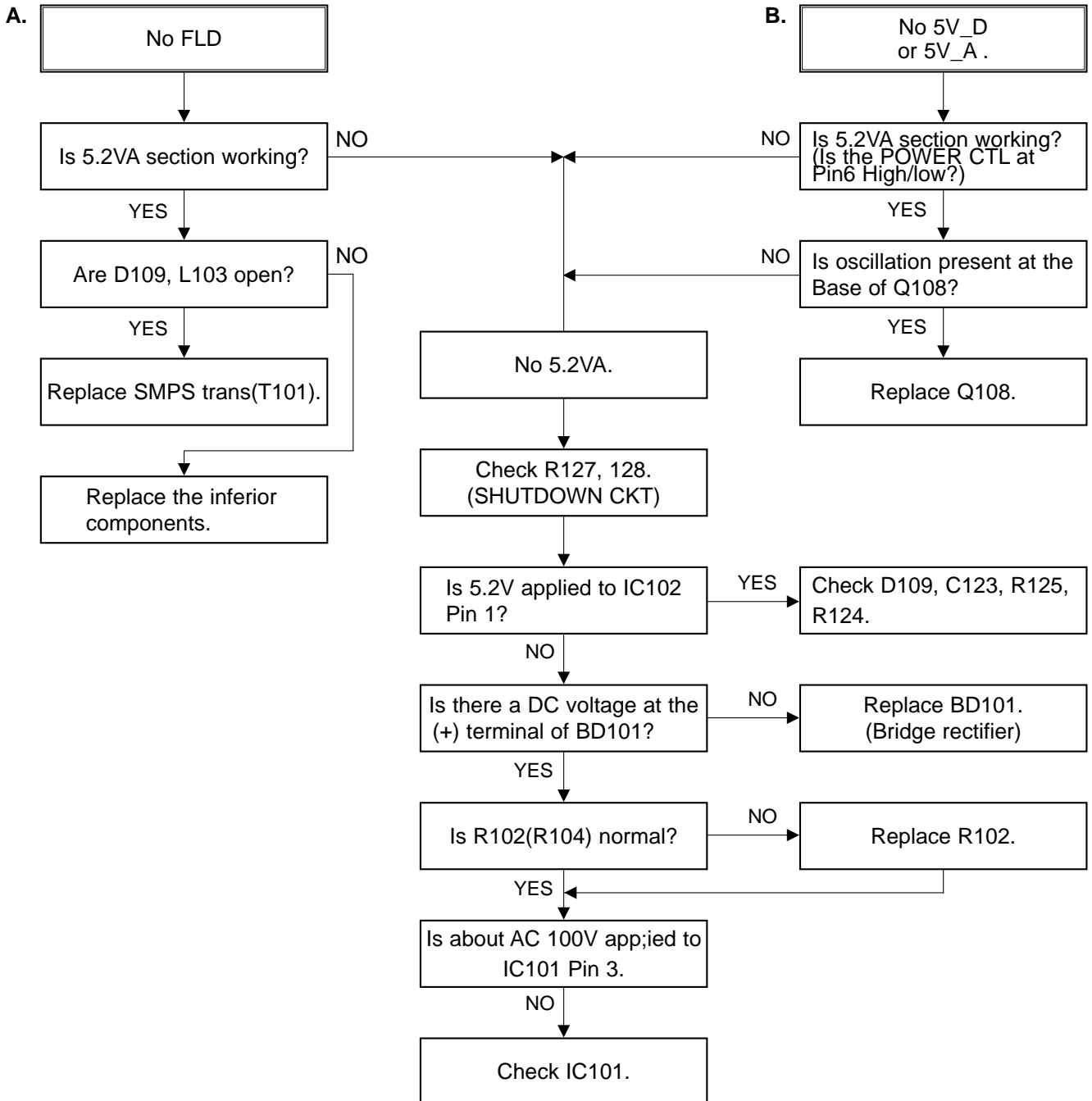


SECTION 3 ELECTRICAL CONTENTS

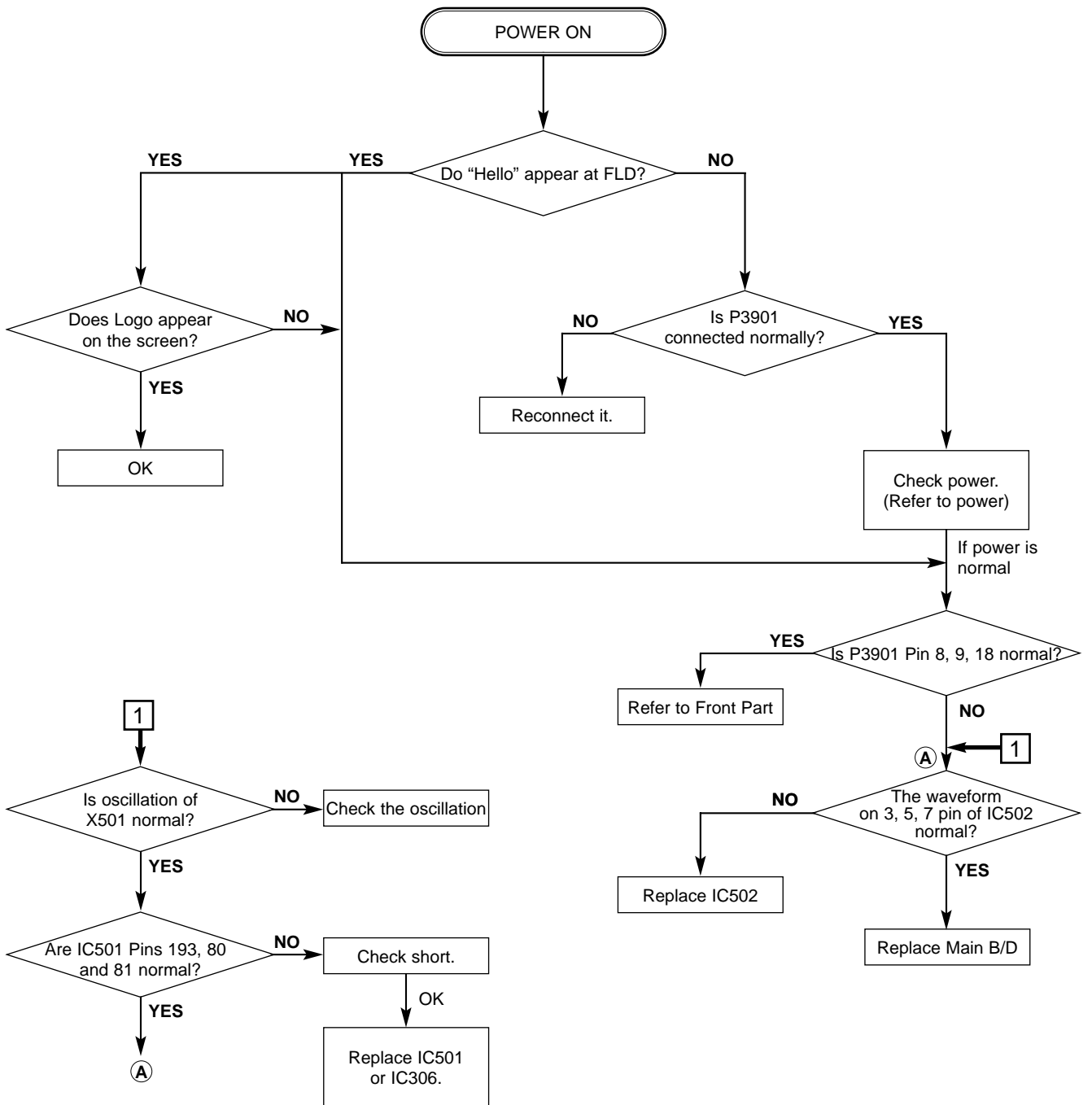
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ELECTRICAL TROUBLESHOOTING GUIDE

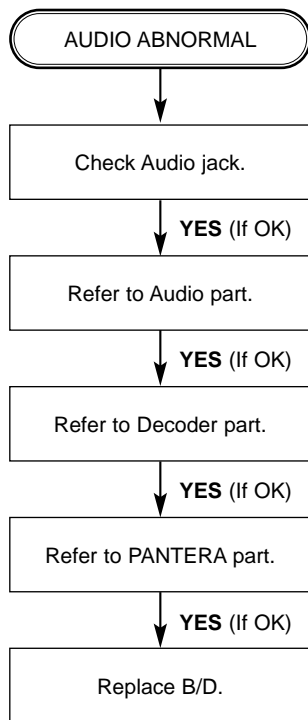
1. Power(SMPS) Circuit



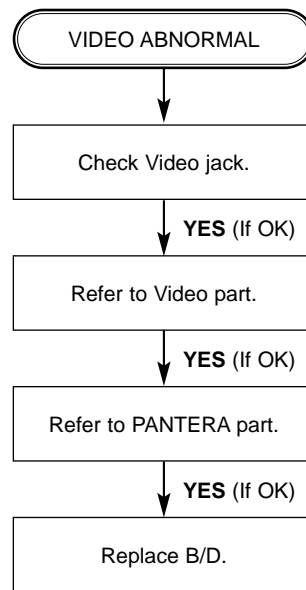
2. μ -COM Circuit
A. No Power



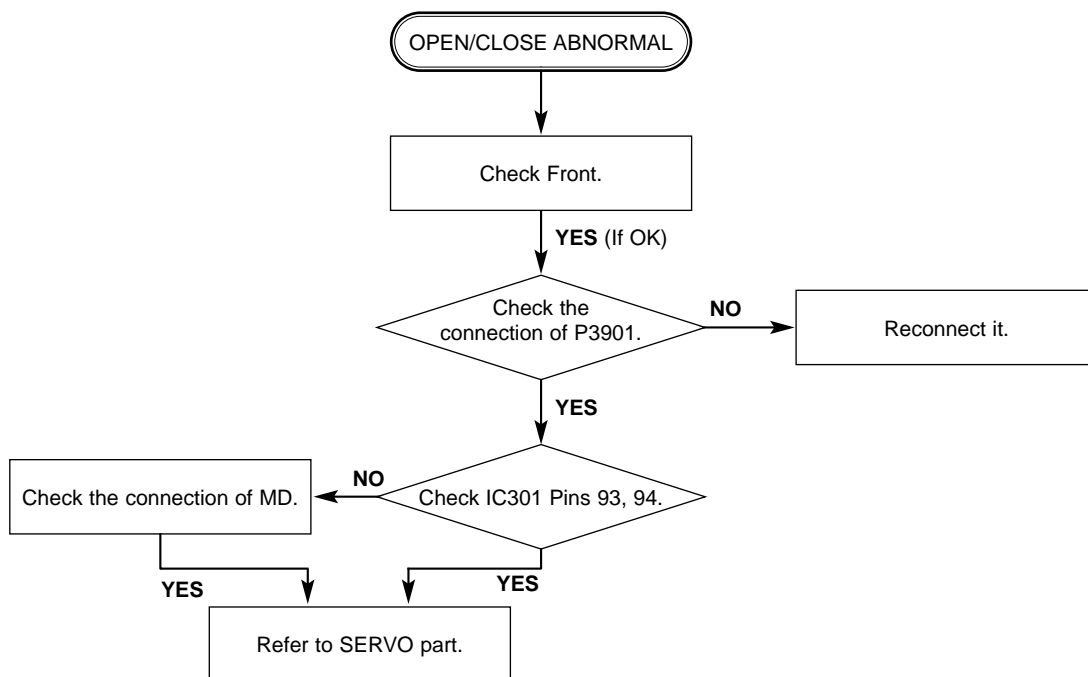
B. Audio abnormal



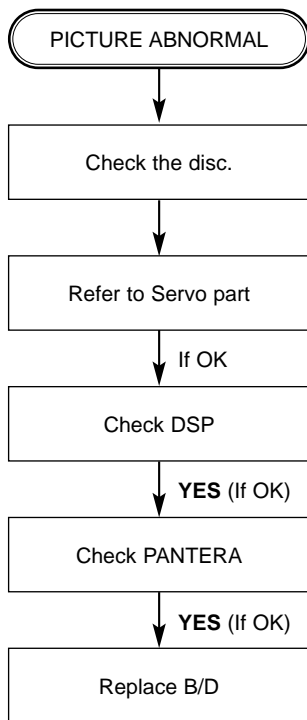
C. Video abnormal



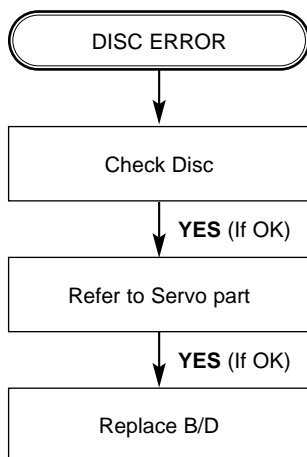
D. Open/Close abnormal



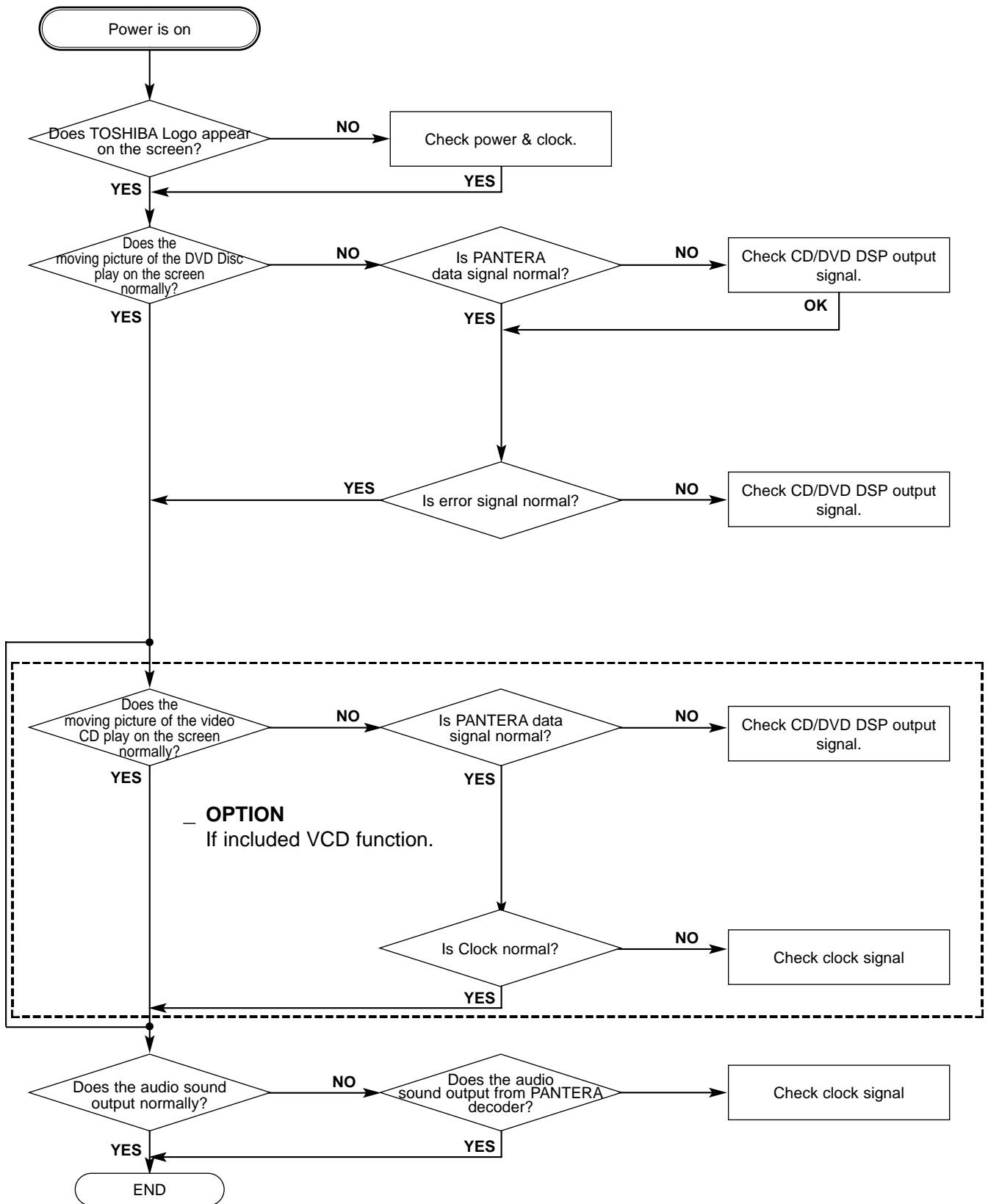
E. Picture abnormal



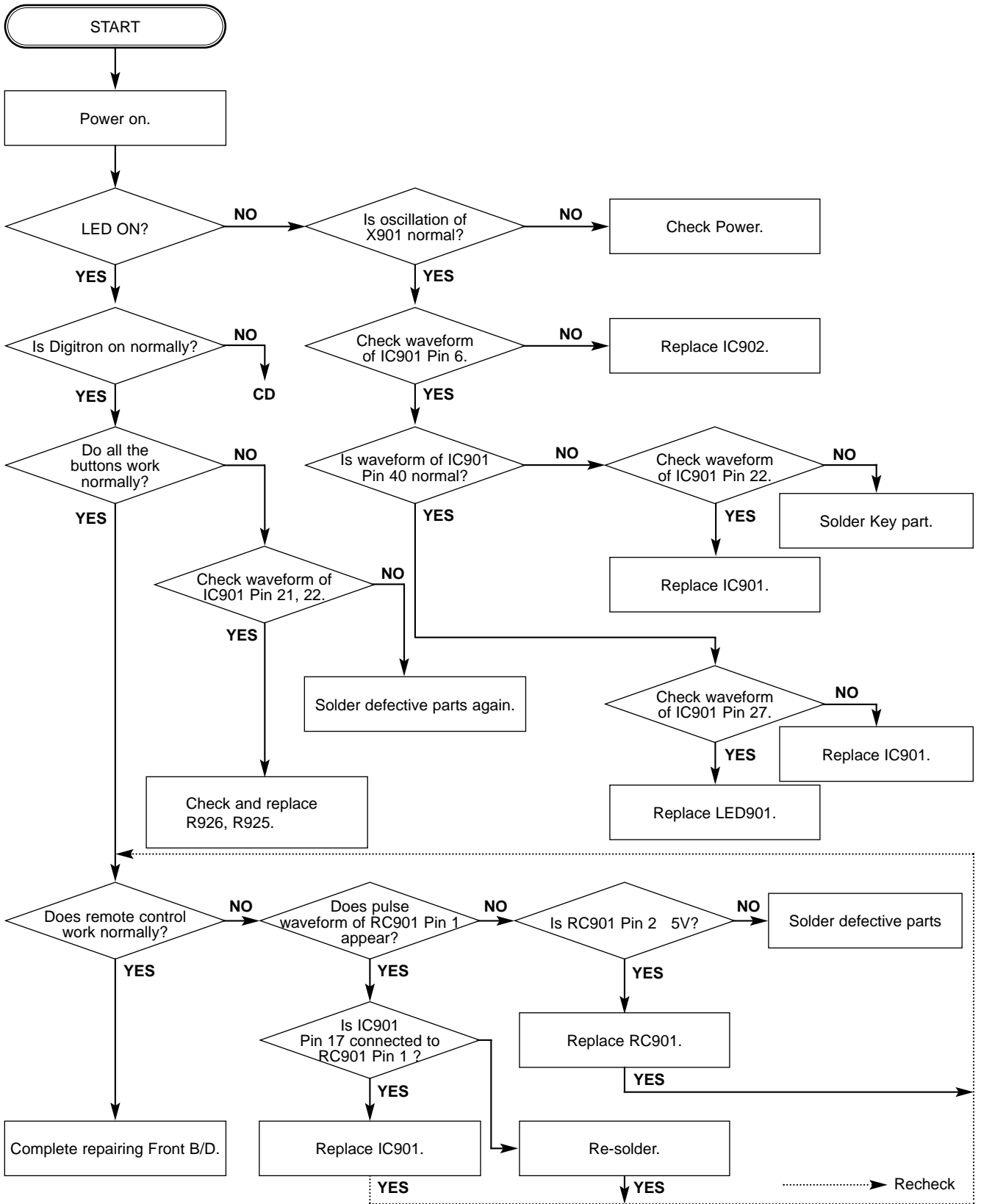
F. Disc Error



3. PANTERA Circuit

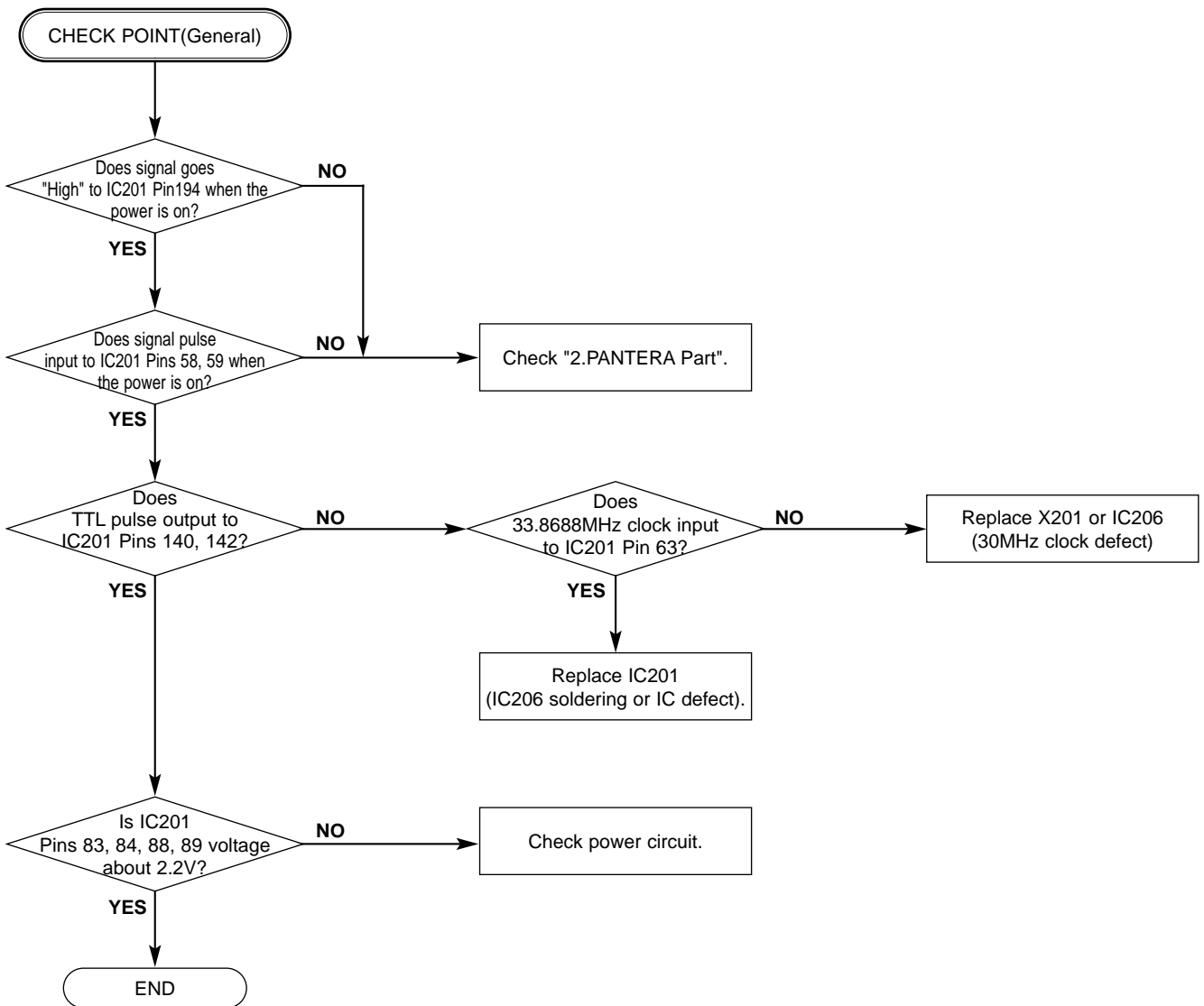


4. Front Circuit (Digitron & key)

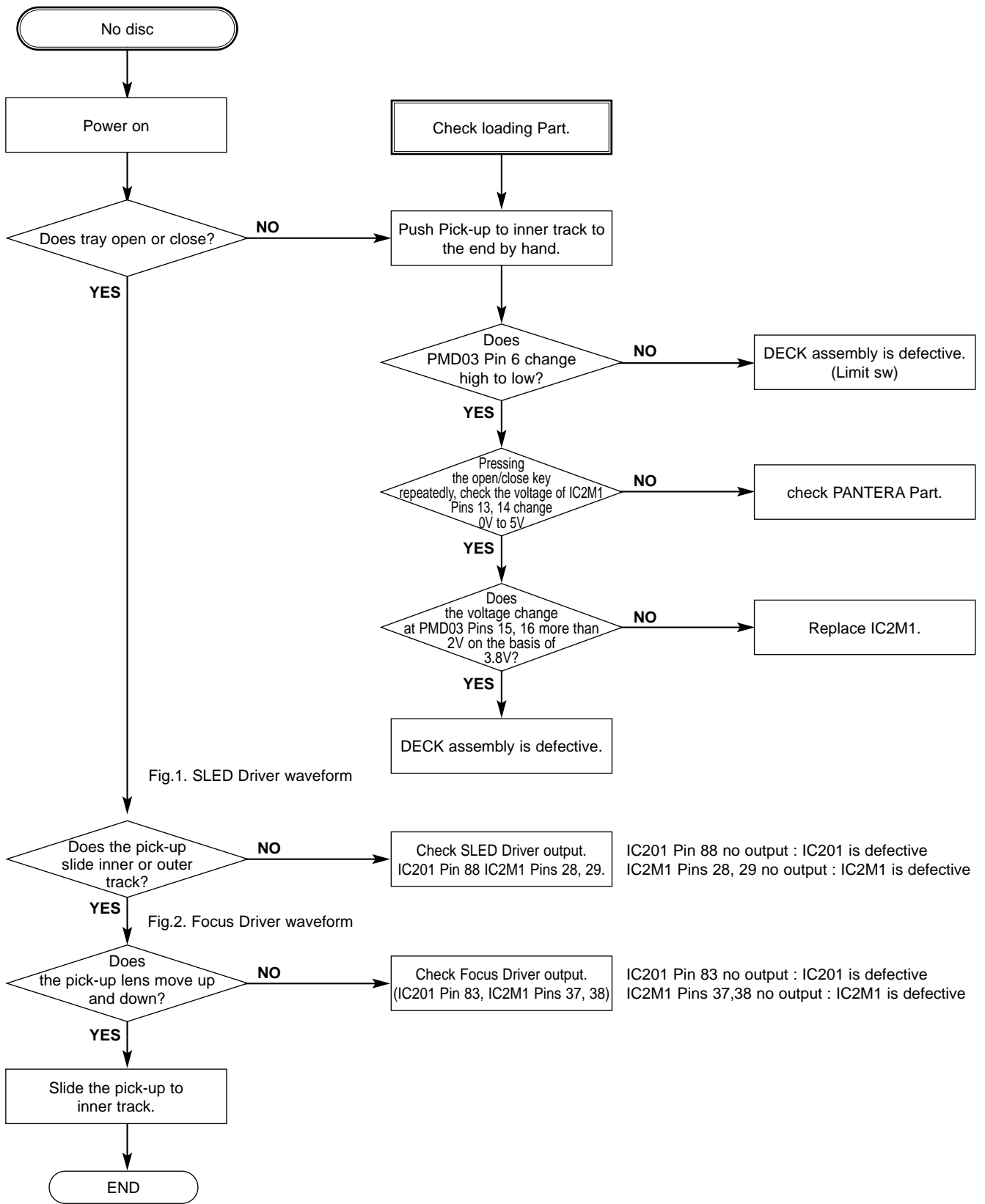


5. RF/Servo Circuit

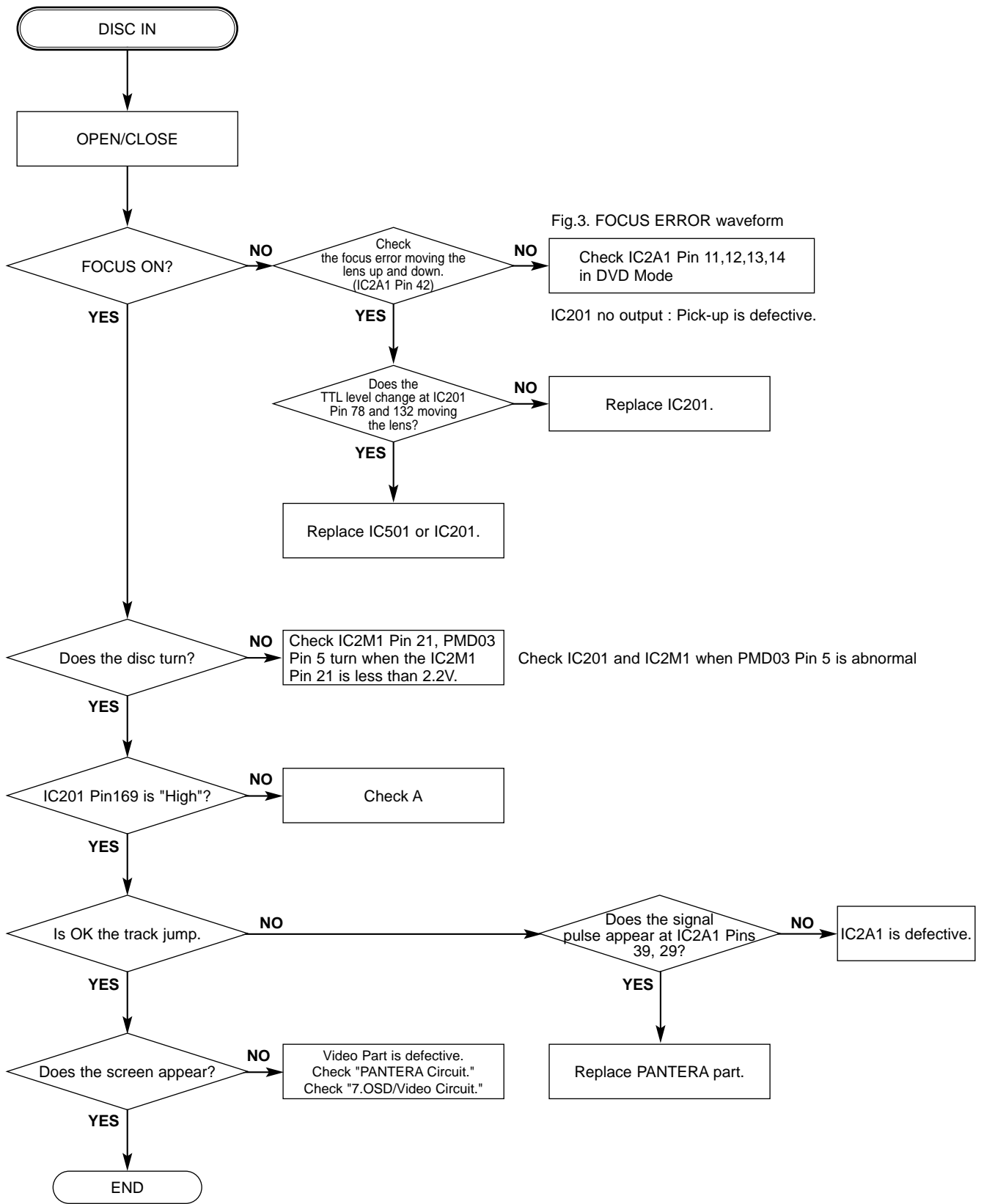
A.



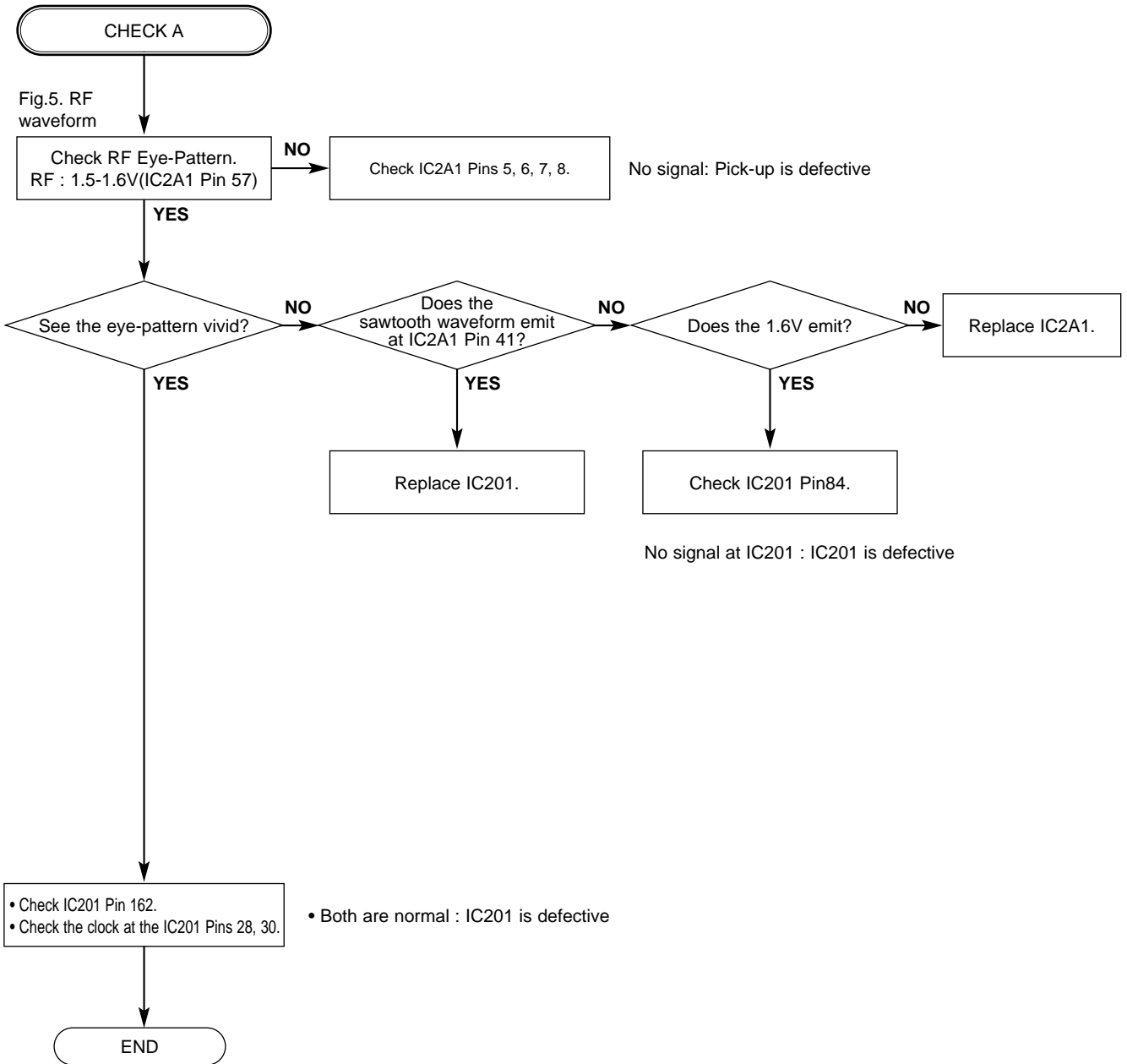
B.



C.

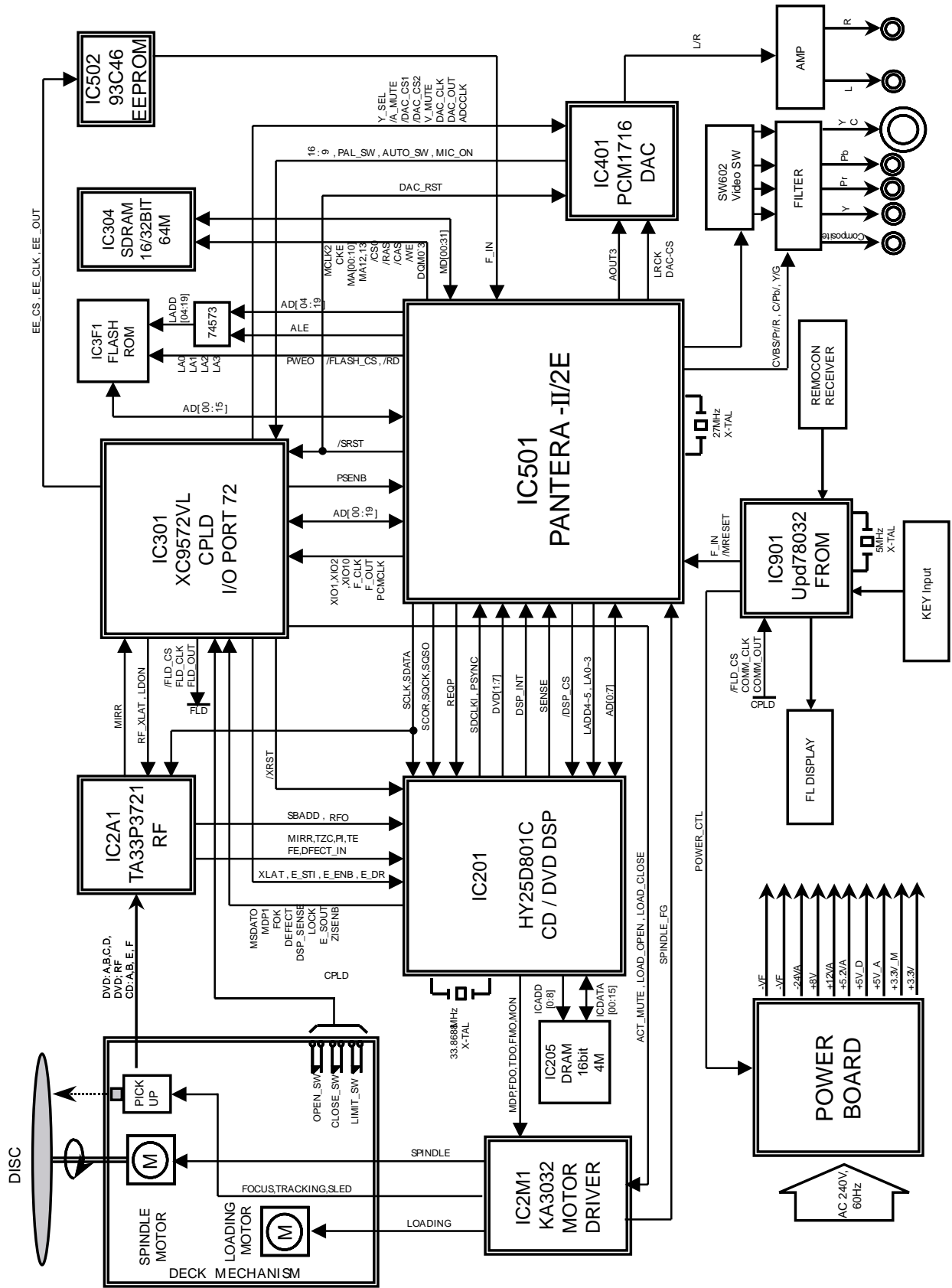


D.

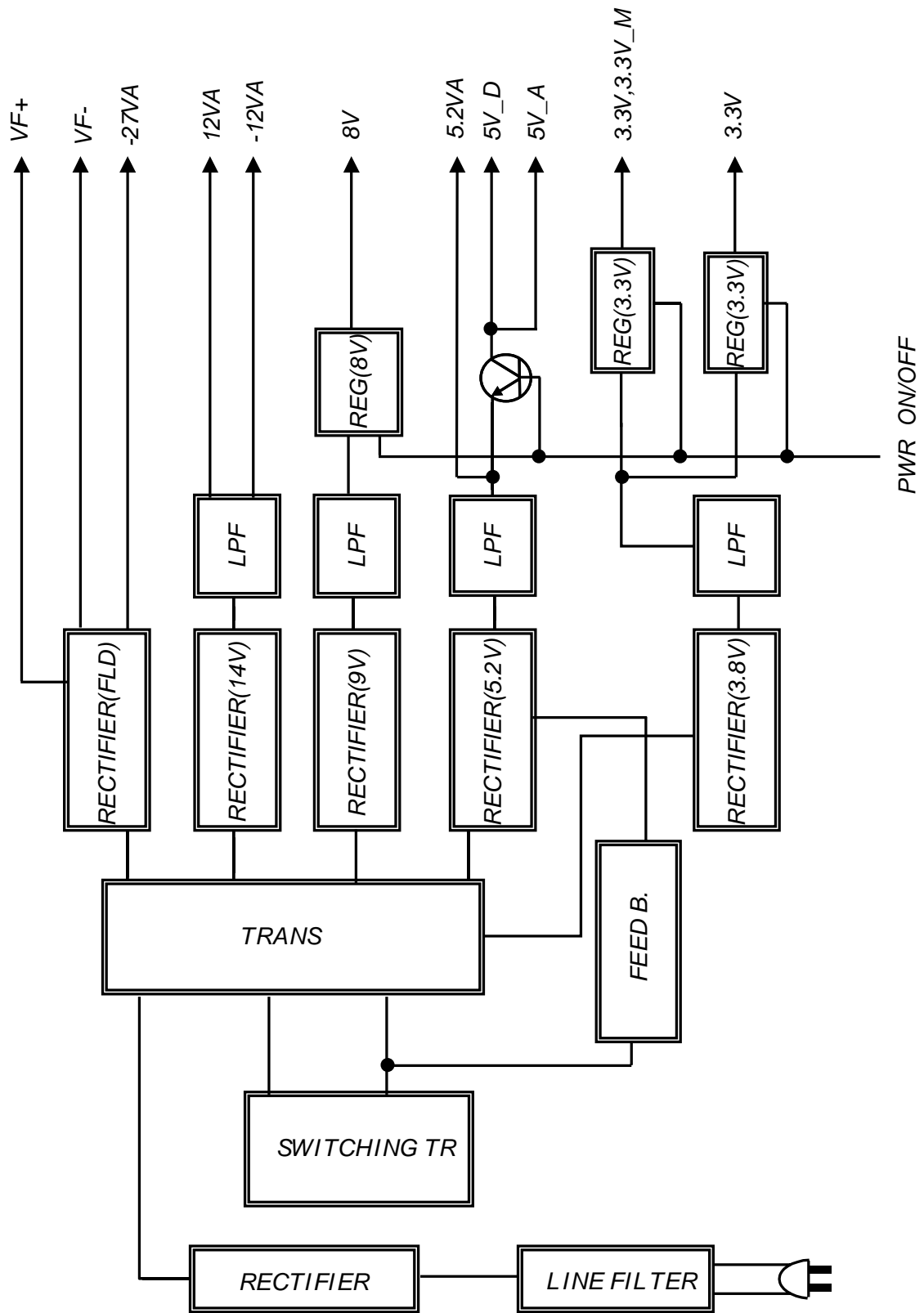


BLOCK DIAGRAMS

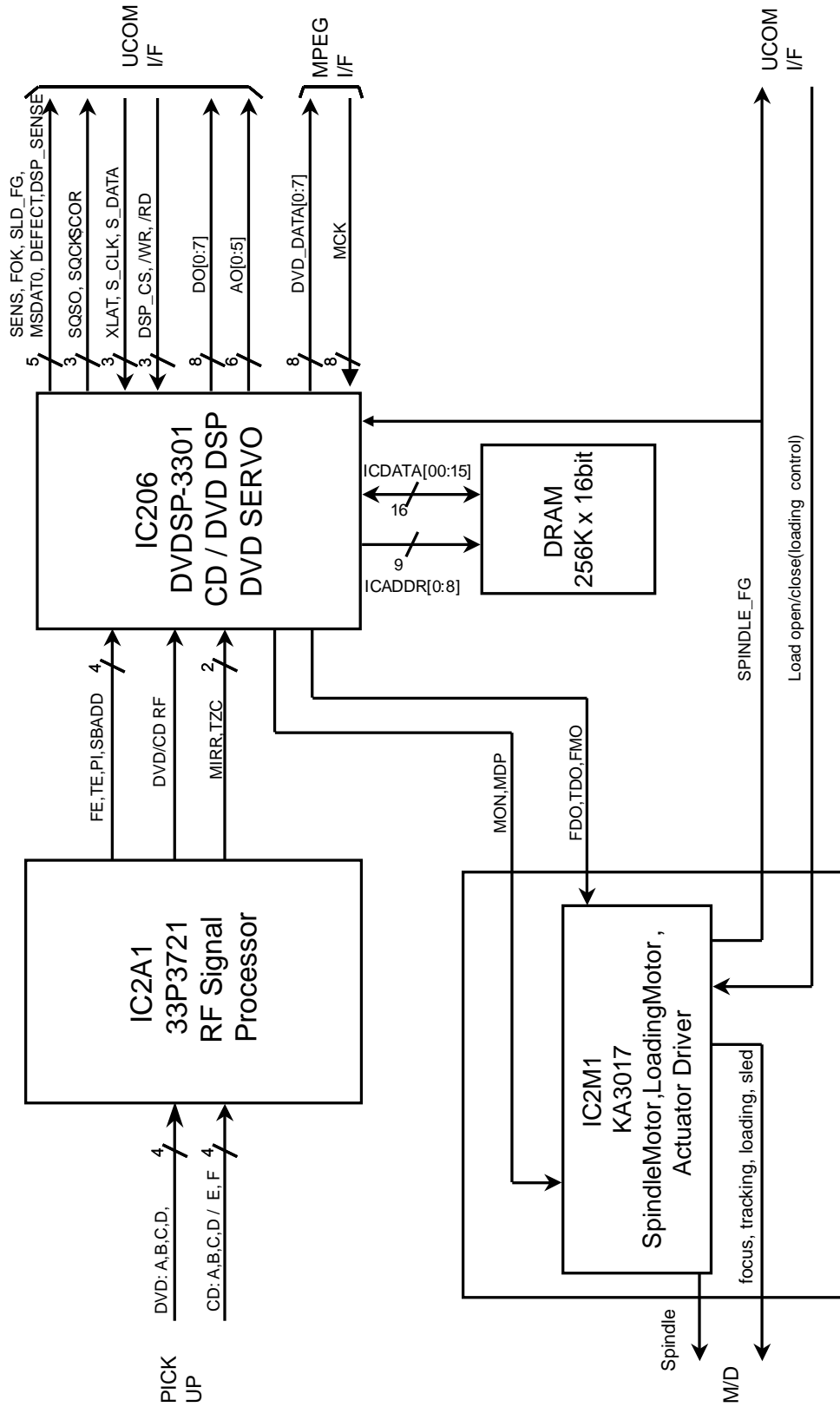
1. Overall Block Diagram



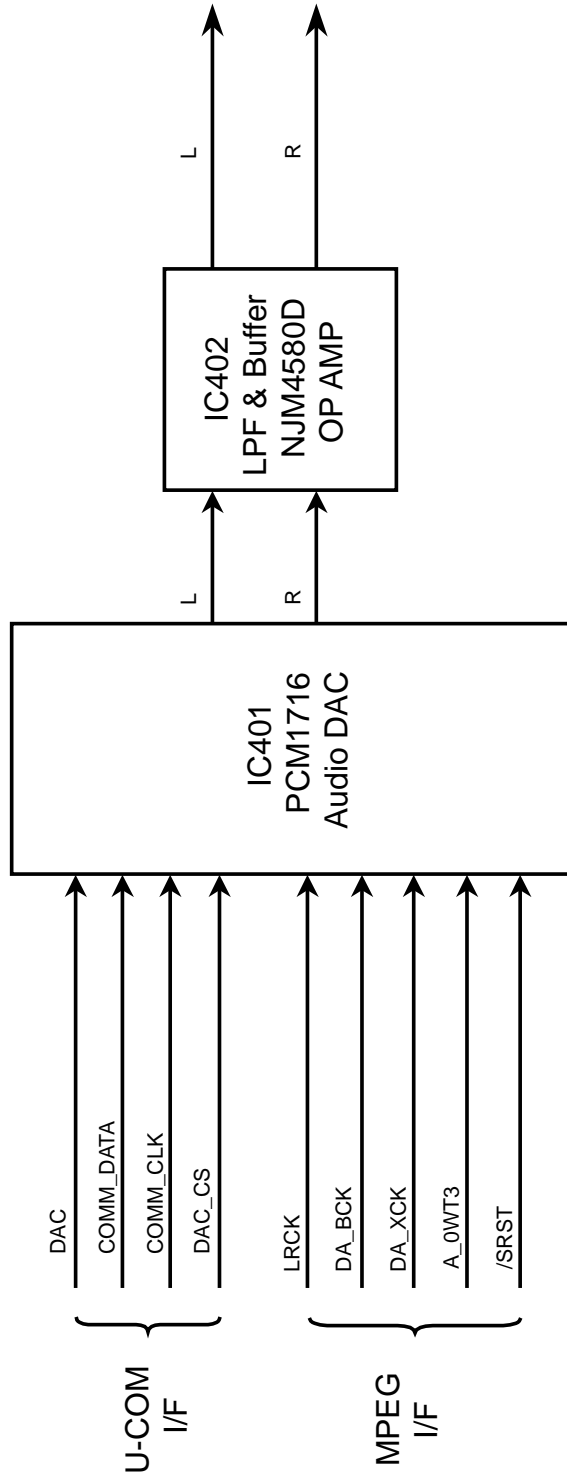
2. Power(SMPS) Block Diagram



3. RF/CD DSP/DVD DSP/DVD SERVO Block Diagram



4. Audio Block Diagram



5. MPEG Block Diagram

