

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

MAIN C.B.A. (POWER SUPPLY/VIDEO/AUDIO SECTION)

MODE PIN NO.	STOP	MODE PIN NO.	STOP	MODE PIN NO.	STOP	MODE PIN NO.	STOP	MODE PIN NO.	STOP	MODE PIN NO.	STOP	MODE PIN NO.	STOP
IC1001		25	0.2	81	5.1	9	0	64	0.7	Q3007		B	3.7
1	5.2	26	2.6	82	3.4	10	0			E	3.2	Q3614	
2	4.2	27	5.1	83	2.1	11	0	Q1001		C	11.5	E	4.5
3	0.6	28	5.1	84	5.1	12	0	E	0	B	3.6	C	0
4	2.0	29	3.2	85	4.4	13	2.7	C	157.9	Q3008		B	3.6
IC1002		30	5.1	86	---	14	0	B	0.3	E	12.1	Q4001	
1	2.6	31	2.3	87	4.9	15	0	Q1002		C	5.9	E	5.2
2	4.2	32	0	88	4.9	16	0	E	0	B	11.5	C	5.2
3	0	33	2.6	89	2.3	17	0.9	C	0.3	Q3009		B	4.5
IC1501		34	---	90	2.8	18	2.0	B	0.6	E	5.2	Q4002	
1	162.0	35	2.7	91	0.9	19	0	Q1051		C	12.1	E	0
2	8.2	36	5.1	92	2.7	20	2.2	E	12.2	B	5.9	C	0
3	0	37	2.7	93	0.1	21	2.2	C	14.8	Q3011		B	0.8
4	20.5	38	2.6	94	0.3	22	2.1	B	12.7	E	0	Q4003	
5	9.6	39	2.7	95	1.5	23	0	Q1052		C	11.6	E	0
IC1502		40	2.7	96	0	24	2.1	E	0	B	0.1	C	0
1	4.3	41	0	97	0	25	5.1	C	12.8	Q3601		B	0.8
2	4.1	42	2.6	98	0	26	2.1	B	0.7	E	3.2	Q4004	
3	14.3	43	2.6	99	2.6	27	0	Q1053		C	11.5	E	0.1
4	20.7	44	2.6	100	3.1	28	1.4	E	5.2	B	3.7	C	0.5
IC1503		45	2.6	IC3002		29	1.5	C	5.3	Q3602		B	-0.5
1	2.5	46	5.1	1	3.3	30	0.8	B	6.0	E	3.3	Q4005	
2	4.1	47	5.1	2	2.6	31	0	Q1501		C	11.5	E	0
3	0	48	0.2	3	2.6	32	2.4	E	0	B	3.7	C	0.1
IC1504		49	5.2	4	2.5	33	2.5	C	0	Q3603		B	-0.4
1	0	50	2.2	5	2.2	34	0.8	B	0.7	E	2.3	Q4006	
2	4.7	51	2.6	6	0	35	2.5	Q1502		C	11.5	E	0
3	12.0	52	2.4	7	0	36	0	S1	0.6	B	3.6	C	0.3
4	12.0	53	4.5	8	0	37	1.7	S2	0.6	Q3604		B	-0.4
5	13.7	54	2.6	9	12.1	38	0	S3	0.6	E	12.1	Q4007	
IC3001		55	2.6	10	11.6	39	---	G	0.6	C	5.7	E	0
1	5.1	56	2.6	11	11.6	40	5.0	D1	5.3	B	11.5	C	0
2	2.0	57	2.6	12	1.0	41	0	D2	5.3	Q3605		B	-0.4
3	2.3	58	2.6	13	3.2	42	4.8	D3	5.3	E	12.1	Q4008	
4	2.5	59	0	14	3.2	43	4.8	D4	5.3	C	5.8	E	0
5	1.8	60	0	15	3.2	44	1.9	Q3001		B	11.5	C	0.1
6	2.5	61	2.6	16	12.1	45	5.2	E	4.0	Q3606		B	-0.4
7	1.9	62	2.6	IC3101		46	2.8	C	0	E	12.1	Q4009	
8	0	63	2.6	1	3.2	47	1.3	B	3.2	C	5.7	E	0
9	1.9	64	5.2	2	5.1	48	1.6	Q3002		B	11.7	C	0.5
10	0.2	65	2.6	3	0	49	0.5	E	2.7	Q3610		B	-0.3
11	2.0	66	0.1	4	3.0	50	2.4	C	0	E	0.2	Q4101	
12	2.3	67	2.6	5	3.1	51	5.1	B	2.0	C	0	E	0
13	2.0	68	2.6	6	1.4	52	2.8	Q3003		B	2.2	C	0.1
14	2.7	69	2.6	7	2.2	53	0.5	E	2.0	Q3611		B	0.1
15	2.0	70	0	8	2.7	54	2.6	C	5.2	E	0.4		
16	2.2	71	0	IC4201		55	0	B	2.7	C	0	TP1001	0
17	0.3	72	3.2	1	2.5	56	0	Q3004		B	2.2	TP1002	32.7
18	4.0	73	0	2	0	57	6.0	E	3.2	Q3612		TP1003	14.8
19	2.0	74	2.0	3	1.4	58	12.1	C	11.4	E	4.5	TP1005	5.3
20	3.5	75	3.0	4	0	59	6.0	B	3.6	C	0	TP1006	5.7
21	2.8	76	1.9	5	2.5	60	0.9	Q3005		B	3.7	TP1007	0
22	0	78	2.5	6	2.6	61	0.5	E	12.1	Q3613		TP1009	0
23	3.4	79	2.8	7	2.2	62	0.5	C	5.8	E	4.5	TP1050	5.2
24	0.2	80	2.5	8	0.4	63	2.7	B	11.4	C	0	TP1058	12.2

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

MAIN C.B.A. (SYSTEM CONTROL/SERVO SECTION)

MODE PIN NO.	REC	PLAY
IC2601		
1	13.8	13.8
2	13.8	13.8
3	14.3	14.3
4	1.1	1.1
5	5.2	5.2
6	0.8	0.8
7	0.9	0.9
8	0.6	0.6
9	2.7	2.7
10	1.4	1.4
11	0	0
12	3.9	3.9
13	3.9	3.9
14	3.9	3.9
15	0.1	0.1
16	13.8	13.8
IC6001		
1	5.2	5.2
2	1.7	0.1
3	2.2	0.2
4	0.2	0.2
5	4.8	5.0
6	0	0
7	0	0
8	5.2	5.2
9	0	0
10	5.2	5.2
11	5.1	5.1
12	0	0
13	5.1	5.1
14	5.0	5.1
15	5.0	5.2
16	0.1	5.2
17	4.7	4.9
18	4.8	4.9
19	5.2	5.2
20	5.1	5.1
21	0.3	2.6
22	0.3	2.4
23	2.6	0.1
24	0.3	0.1
25	5.1	5.2
26	0	0
27	0	2.6
28	0	0
29	1.5	1.5
30	0	0
31	5.1	5.1
32	5.1	0
33	2.4	0
34	2.5	0
35	1.7	0
36	5.2	5.2
37	---	---

MODE PIN NO.	REC	PLAY
38	---	---
39	0	0
40	4.8	4.7
41	4.8	4.7
42	0.3	0.2
43	4.7	4.8
44	4.7	4.8
45	4.7	4.8
46	4.7	3.3
47	2.0	2.1
48	0	0
49	2.0	2.1
50	2.8	2.8
51	5.3	5.3
52	2.7	2.7
53	2.7	3.9
54	0.1	0.1
55	3.6	4.8
56	5.2	5.2
57	4.8	4.9
58	4.6	4.0
59	0.1	5.2
60	5.1	1.8
61	3.8	5.2
62	3.3	0.1
63	0	0
64	---	---
65	1.2	1.2
66	---	---
67	2.7	0
68	3.5	1.5
69	2.6	1.4
70	2.7	2.3
71	0	0
72	2.8	1.7
73	5.2	5.2
74	3.0	1.8
75	2.2	1.8
76	2.6	1.6
77	2.1	1.8
78	1.9	1.6
79	1.8	4.1
80	1.4	1.6
81	2.0	4.7
82	1.1	1.6
83	2.5	0.1
84	2.5	1.5
85	1.8	1.9
86	1.7	0.1
87	1.9	1.7
88	0	0
89	0	0
90	0.9	0
91	2.2	3.8
92	3.0	1.9

MODE PIN NO.	REC	PLAY
93	2.9	2.6
94	2.9	2.0
95	2.5	0
96	4.7	5.1
97	0	3.3
98	2.6	2.6
99	5.2	5.2
100	4.5	4.6
IC6002		
1	1.2	1.2
2	0	0
3	0	0
4	5.1	5.1
IC6003		
1	2.4	2.4
2	1.2	1.2
3	0	0
4	5.2	5.2
IC6004		
1	5.2	5.2
2	5.2	5.2
3	0	0
IC6005		
1	0	0
2	0	0
3	0	0
4	0	0
5	4.8	4.8
6	4.8	4.8
7	0	0
8	5.3	5.3
Q6001		
E	0	0
C	---	---
B	---	---
Q6002		
E	12.1	12.2
C	12.0	0
B	11.4	12.2
Q6003		
E	4.5	0
C	11.4	12.2
B	5.2	0
Q6005		
E	5.3	5.3
C	5.2	5.2
B	4.5	4.5
Q6006		
E	0	0
C	0.2	0.2
B	0.8	0.7
Q6009		
E	0	0
C	5.1	4.9

MODE PIN NO.	REC	PLAY
Q6010		
E	0	0
C	5.0	5.0
TP6001	0.5	0.2
TP6002	5.2	5.1
TP6003	3.5	2.8
TP6004	5.0	5.1
TP6005	4.9	4.7
TP6007	0	0
TP6008	0	0
TP6009	5.3	5.3
TP6010	4.8	4.9
TP6011	4.8	4.8
TP6017	0	0
TP6018	5.1	5.2
TP6019	0	0
TP6021	5.3	5.3
TP6022	5.1	5.0
TP6023	5.2	5.2
TP6101	0.1	0.4
TP6102	---	---
TP6103	5.1	5.2
TP6104	5.2	5.2
TP6105	5.2	5.2
TP6106	5.2	5.2
TP6107	4.7	4.5
TP6201	0	2.4
TP6202	2.5	0
TP6203	5.1	2.7
TP6204	1.2	1.2
TP6205	2.6	2.6
TP6206	3.0	2.6
TP6207	2.6	1.6
TP6208	3.5	3.2
TP6209	2.3	2.3
TP6210	2.7	2.5

CAPSTAN
STATOR C.B.A.

MODE PIN NO.	REC	PLAY
P2502		
1	14.5	14.5
2	5.2	5.2
3	5.3	5.3
4	2.2	2.5
5	0	0
6	2.6	2.6
7	0	0
8	0.5	0.5
9	2.6	2.6
10	0	0
11	0	0
12	0	0
P2503		
1	0	0
2	0	0

OPERATION C.B.A.

MODE PIN NO.	REC	PLAY
IC6301		
1	0	0
2	4.9	4.9
3	4.9	4.9
4	4.9	4.9
5	---	---
6	0	0
7	4.3	4.2
8	4.3	4.2
9	4.2	4.2
10	0	0
11	4.5	4.4
12	8.8	5.0
13	8.5	---
14	5.8	4.3
15	3.3	3.3
16	3.8	2.7
17	4.9	2.8
18	---	---
19	0	0
20	---	---
21	---	2.9
22	3.5	3.0
23	---	---
24	2.4	2.4
25	0.1	0.1
26	---	---
27	1.9	2.0
28	4.7	4.7
Q6301		
E1	4.7	4.6
C1	1.7	1.3
B1	4.8	4.6
E2	4.7	4.6
C2	2.2	1.4
B2	4.7	4.6
Q6302		
E1	4.7	4.5
C1	1.9	-2.7
B1	4.7	4.6
E2	4.7	4.5
C2	1.7	---
B2	4.8	4.6
Q6303		
E	4.7	4.6
C	1.3	0
B	4.8	4.6
Q6304		
E	0	0
C	0.1	5.1
B	0.8	0.8
Q6305		
E	0	0
C	0.1	5.3
B	0.8	0.1

MODE PIN NO.	REC	PLAY
Q6306		
E	0	0
C	7.0	18.6
B	0.1	0.2
Q6307		
E	0	0
C	5.7	5.5
B	0.1	0.2
TP6301	0.1	0.6
TP6302	5.2	5.1

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

DVD DECODER C.B.A.

MODE PIN NO.	STOP	MODE PIN NO.	STOP	MODE PIN NO.	STOP	MODE PIN NO.	STOP	MODE PIN NO.	STOP	MODE PIN NO.	STOP	MODE PIN NO.	STOP	MODE PIN NO.	STOP	MODE PIN NO.	STOP	MODE PIN NO.	STOP	MODE PIN NO.	STOP	
IC8000		55	0.5	110	0.4	165	0.4	2	0.4	30	0.4	34	0.7	38	0.3	3	6.1	Q8200		TP8018	0.4	
1	3.6	56	0.5	111	0	166	1.2	3	0.4	31	0.5	35	0.4	39	0.3	4	0	E	0.1	TP8019	4.4	
2	1.5	57	0.5	112	0	167	0.4	4	0.4	32	-0.5	36	0.4	40	0.3	5	6.1	C	0	TP8020	0.4	
3	1.3	58	0.5	113	0.4	168	1.1	5	0.3	33	-0.4	37	---	41	0.3	6	6.1	B	0.5	TP8021	0	
4	1.2	59	0.7	114	0.3	169	0.4	6	0.3	34	0.7	38	0.7	42	0.4	7	6.1	Q8201		TP8022	0.5	
5	1.4	60	0	115	0.3	170	0.3	7	0.4	35	0.5	39	0.4	43	0	8	12.2	E	0.3	TP8023	0.1	
6	1.2	61	0.5	116	0.5	171	0	8	0.4	36	0.4	40	0.4	44	0.4	IC8403	1	0.4	C	0	TP8024	0
7	1.4	62	0.5	117	0.4	172	0.7	9	0.3	37	---	41	0	42	0.3		2	0.4	B	0.2	TP8025	0.2
8	0	63	0.5	118	0.3	173	---	10	0	38	-0.6	42	0.3	43	0.4	1	0.6	Q8202		TP8026	0.4	
9	3.6	64	0.5	119	0.3	174	0.3	11	0.3	39	0.4	43	0.4	44	0.7	2	0	E	0.3	TP8027	0.1	
10	1.9	65	0.4	120	0	175	0.3	12	0.3	40	0.4	44	0.7	45	0.3	3	0.5	C	0	TP8028	0	
11	1.3	66	0.4	121	0.7	176	0	13	0.4	41	0	45	0.3	46	0.3	4	0.5	B	0.5	TP8029	0	
12	0.3	67	0	122	0.4	177	0	14	0.4	42	0.4	46	0.3	47	0	5	0.4	Q8203		TP8030	0.4	
13	0.2	68	0.7	123	0.4	178	0.4	15	0.3	43	0.4	47	0	48	0.3	IC8301	1	0.5	E	0.6	TP8031	0.3
14	1.2	69	0.5	124	0.4	179	0.4	16	0.3	44	0.7	48	0.3	49	0.3		2	0.5	C	0.4	TP8032	0.3
15	1.7	70	0.5	125	0.4	180	0.4	17	0.4	45	0.4	49	0.3	50	0	3	0.5	B	0.5	TP8033	0.3	
16	1.7	71	0.5	126	0.4	181	0.4	18	0.4	46	0.4	IC8200		1	0.4	4	0.4	Q8204		TP8034	0.4	
17	0	72	0.5	127	0.4	182	0.4	19	---	47	0	1	0.4	2	0.3	5	0.5	E	0	TP8035	0.4	
18	3.6	73	0.5	128	0.4	183	0.7	20	5.1	48	0.5	2	0.3	3	0.3	6	0.5	C	0	TP8036	0.4	
19	1.0	74	0.5	129	0	184	0	IC8003		49	0.5	4	0.3	5	0	7	0.4	B	0.1	TP8037	0.1	
20	0.2	75	0.7	130	0.7	185	0.4		1	0.6	50	0	6	0.5	7	0.4	8	0.5	Q8205		TP8038	0
21	1.2	76	0	131	0.4	186	0.4	2	0	IC8101		5	0	6	0	9	0.5	E	0.1	TP8039	0.1	
22	0	77	0.4	132	0.8	187	0.4	3	0.5		1	0.7	7	0.7	8	0.4	10	0.5	C	0	TP8040	0.4
23	0	78	0.4	133	0.4	188	0.4	4	0.5	2	0.4	9	0.4	10	0	11	0.5	B	0.4	TP8041	0.4	
24	3.6	79	0.4	134	0.4	189	0.4	5	0.7	3	0.4	10	0	11	0.5	12	0.5	Q8206		TP8042	0.4	
25	0.1	80	0.4	135	0.4	190	0.4	IC8100		4	0	11	0.5	12	0.5	13	0.4	E	0	TP8043	0	
26	0	81	0.4	136	0.4	191	0.4		1	0.7	5	0.4	12	0.5	13	0.4	14	0.5	C	0	TP8044	0.4
27	3.6	82	0.4	137	0.4	192	0	2	0.4	6	0.4	13	0.5	14	0.5	15	0.5	B	0	TP8045	0	
28	2.8	83	0.7	138	0	193	0.7	3	0.4	7	0.7	14	0.5	15	0.5	16	0.5	Q8207		TP8046	0.1	
29	2.6	84	0	139	0.7	194	0.4	4	0	8	0.4	15	0.5	16	0.3	17	0.5	E	1.9	TP8047	0	
30	2.7	85	0.4	140	0.4	195	0.4	5	0.4	9	0.4	16	0.3	17	0.4	18	0.4	C	0	TP8048	0	
31	0.1	86	0.4	141	0.4	196	0.4	6	0.4	10	0	17	0.4	18	0.4	19	---	B	0.6	TP8049	0	
32	0.1	87	0.4	142	0.3	197	0.4	7	0.7	11	0.5	18	0	19	0.5	1	0	Q8208		TP8051	0.6	
33	1.9	88	0.4	143	0.3	198	0.3	8	0.4	12	0.5	19	0	20	0.4	2	0.3	E	1.6	TP8052	0.4	
34	0	89	0.4	144	0.2	199	---	9	0.4	13	0.7	20	0.4	21	0.4	3	0.5	C	0	TP8053	0.1	
35	0.7	90	0.4	145	0.3	200	0	10	0	14	0.5	21	0.5	22	0.4	4	0	B	0.9	TP8054	0.1	
36	0.4	91	0	146	0.5	201	0.7	11	0	15	0.5	22	0.5	23	0.4	5	0.3			TP8055	0.3	
37	0.4	92	0.7	147	0	202	---	12	0	16	0.5	23	0.4	24	0	6	0.5	TP8000	0.4	TP8056	0.1	
38	0.4	93	0.3	148	0.7	203	---	13	0.7	17	0.4	24	0.5	25	0.4	7	0	TP8001	0.1	TP8057	0.1	
39	0.4	94	0.3	149	0.4	204	0.3	14	0.1	18	0.4	25	0.7	26	0.4	8	0.3	TP8002	0	TP8058	0.1	
40	0.4	95	0.3	150	0.4	205	0.3	15	0	19	0.5	26	0	27	0.3	9	0.3	TP8003	0.4	TP8059	0.1	
41	0.4	96	0.3	151	0.4	206	0.4	16	0	20	0.5	27	0	28	0.1	10	0	TP8004	0.4	TP8060	0.1	
42	0.4	97	0.4	152	0.8	207	0.4	17	0	21	0.5	28	0.4	29	0.4	11	0.4	TP8005	0.3	TP8061	0.1	
43	0	98	0	153	0.3	208	0	18	0	22	0.5	29	0	30	0.3	12	0.3	TP8006	0.5	TP8062	0.4	
44	0.7	99	0.7	154	0.4	IC8001		19	0	23	0.4	30	0.4	31	0.5	13	0	TP8007	0.1	TP8063	0.4	
45	0.4	100	0.4	155	0.4	1	0	20	0	24	0.5	31	0	32	0.3	14	0	TP8008	0.2	TP8065	0.1	
46	0.4	101	0.4	156	0	2	0	21	0	25	0.7	32	0.3	33	0.1			TP8009	0.3	TP8066	0.1	
47	0.4	102	0.4	157	0.7	3	0	22	0	26	0	33	0.1	34	0	Q8000		TP8010	0.2	TP8067	0.5	
48	0.3	103	0	158	0.4	4	0	23	0	27	0.5	34	0	35	0		E	0.7	TP8011	0.2	TP8068	0.5
49	0.5	104	0.7	159	0.5	5	0.4	24	0	28	0.5	35	0	36	0.3	C	0.7	TP8012	0.5	TP8069	0	
50	---	105	0.4	160	0.4	6	0.4	25	0.7	29	0.4	36	0.3	37	0.3	B	0.5	TP8013	0.7	TP8070	0.1	
51	0.7	106	0.4	161	0.4	7	0	26	0	30	0.4	37	0.3			Q8003		TP8014	0	TP8071	0.1	
52	0	107	0.4	162	0.4	8	0.5	27	0.5	31	0.5						E	0	TP8015	0.4	TP8072	0.1
53	0.5	108	0.4	163	0	IC8002		28	0.5	32	0.5					C	0	TP8016	0	TP8100	0.7	
54	0.5	109	0.4	164	0.7	1	0	29	0.4	33	0.1					B	4.0	TP8017	0	TP8200	0.6	

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

MODE PIN NO.	STOP
TP8201	0
TP8202	0.5
TP8203	0.1
TP8204	0.1
TP8205	0.4
TP8206	0.1
TP8207	0.1
TP8208	0.1
TP8209	0
TP8210	0.4
TP8211	0.4
TP8212	0.4
TP8213	0.4
TP8214	0.1
TP8215	0.1
TP8216	0.1
TP8300	0
TP8301	0.1
TP8302	0.4
TP8303	0.3
TP8304	0.4
TP8305	0.4
TP8306	0.4
TP8307	0.4
TP8308	0.4
TP8309	0.4
TP8310	0.4
TP8311	0.1
TP8312	0.3
TP8313	0.3
TP8314	0.3
TP8315	0.1
TP8316	0
TP8317	0
TP8318	0.1
TP8319	0
TP8320	0
TP8321	0.5
TP8322	0
TP8323	0.5
TP8324	0.5
TP8325	0.1
TP8326	0
TP8327	0.1
TP8328	0
TP8329	0.4
TP8330	0.1
TP8331	0.1
TP8332	0
TP8333	0.1
TP8334	0
TP8335	0.1
TP8397	0.6
TP8398	0.5
TP8399	0.5

[illegible]