

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.	REC	PLAY	MODE PIN NO.	REC	PLAY	MODE PIN NO.	REC	PLAY	MODE PIN NO.	REC	PLAY	MODE PIN NO.	REC	PLAY	MODE PIN NO.	REC	PLAY	MODE PIN NO.	REC	PLAY	MODE PIN NO.	REC	PLAY	MODE PIN NO.	REC	PLAY
IC1001			50	4.0	0	IC3801			18	2.5	2.5	8	---	---	34	-4.0	-10.0	Q1082			Q4101			TP4206	3.8	3.8
1	5.3	5.3	51	5.0	5.0	1	5.0	5.0	19	2.5	2.4	9	---	---	35	-7.1	-4.0	E	14.6	14.6	E	0.1	0	TP4208	0.3	0.4
2	4.4	4.4	52	1.2	2.5	2	1.0	0.9	20	2.5	0	10	---	---	36	-10.	-3.7	C	14.5	14.5	C	11.6	0	TP4207	1.9	0.9
3	0.6	0.6	53	2.4	2.4	3	2.9	3.0	21	2.5	0	11	-29.5	-29.5	37	-10.4	-7.0	B	13.8	13.9	B	0	0	TP6303	5.1	5.1
4	2.0	2.0	54	1.8	2.4	4	2.9	3.0	22	2.5	0.7	12	-29.5	-29.5	38	-16.4	-9.9	Q1083						TP6304	5.1	5.1
IC3001			55	2.0	2.0	5	2.9	2.3	23	0	0	13	-29.5	-29.5	39	-29.5	-29.4	E	0	0	TP1001	0	0	TP6305	0	---
1	4.9	4.9	56	5.0	4.3	6	---	---	24	2.5	0.7	14	-29.5	-29.5	40	-29.5	-29.4	C	0.1	0.1	TP1002	32.2	32.3	TP6306	5.1	5.1
2	3.3	3.3	57	2.5	2.5	7	3.0	3.0	25	4.9	5.0	15	-29.5	-29.5	41	-29.5	-29.4	B	.07	0.7	TP1003	14.3	14.5			
3	2.0	2.1	58	2.5	0	8	0	0	26	2.5	0	16	-29.5	-29.5	42	-29.2	-29.4	Q3001			TP1004	-29.8	-29.8			
4	4.9	4.9	59	2.5	0	9	---	---	27	0	2.6	17	-29.5	-29.5	43	-29.2	-26.1	E	1.9	1.9	TP1005	5.2	5.3			
5	4.2	4.2	60	2.5	0	10	3.0	3.0	28	3.8	3.8	18	-29.5	-29.5	44	-26.2	-29.4	C	0	0	TP1006	5.3	5.3			
6	1.8	---	61	2.5	2.5	11	4.9	4.9	29	4.0	1.8	19	-29.5	-29.5				B	2.6	2.7	TP1007	0	0			
7	5.1	5.1	62	0	0	12	1.3	1.3	30	1.9	0.9	20	-29.5	-29.5	Q1001			Q3201			TP1008	5.2	5.3			
8	5.2	---	63	0	0	13	1.3	1.3	31	1.1	1.8	21	-29.5	-29.5	E	0	0	E1	2.3	2.3	TP1009	0	0			
9	2.2	2.2	64	2.0	2.4	14	4.5	4.5	32	2.5	2.4	22	-29.5	-29.5	C	164.5	164.6	C1	0	0	TP1050	5.1	5.2			
10	2.7	2.7	65	2.5	2.6	15	1.0	1.0	33	2.5	2.4	23	-26.3	-26.3	B	0.3	0.3	B1	1.6	1.6	TP1051	5.3	5.3			
11	0.8	0.8	66	2.5	2.6	16	4.7	4.7	34	0.7	0.6	24	-26.3	-26.3	Q1002			E2	1.6	1.6	TP1058	12.1	12.1			
12	2.7	2.7	67	2.5	2.5	17	2.8	2.8	35	2.5	2.4	25	-26.3	-26.3	E	0	0	C2	3.5	3.5	TP1080	0	0			
13	0	0	68	5.0	5.1	18	0.6	0.6	36	0	0	26	-26.3	-26.3	C	0.3	0.3	B2	2.3	2.3	TP1081	13.6	13.7			
14	0.3	0.3	69	2.6	0	19	1.8	1.8	37	1.6	1.8	27	-26.3	-26.3	B	0.6	0.6	Q3202			TP3001	2.6	2.7			
15	1.1	1.1	70	0	---	20	1.9	2.0	38	0	0	28	-26.3	-26.3	Q1003			E	4.0	0	TP3002	2.7	2.3			
16	3.0	3.6	71	2.5	2.5	21	3.2	3.2	39	0.1	0.1	IC6303			E	0	-0.1	C	1.9	1.9	TP3003	1.9	2.1			
17	2.3	1.7	72	2.5	2.5	22	1.7	1.7	40	4.9	4.9	1	-22.9	-22.8	C	4.0	4.1	B	3.3	3.3	TP3004	4.2	4.3			
18	3.0	3.3	73	2.5	2.5	23	---	---	41	0	0	2	---	---	B	-0.6	-0.6	Q3875			TP3005	2.5	2.6			
19	2.6	2.6	74	0	-0.1	24	1.7	1.7	42	5.1	5.1	3	---	---	Q1004			E	2.8	2.8	TP3006	2.4	2.5			
20	3.0	3.1	75	0	-0.1	25	4.9	4.9	43	5.2	5.2	4	-25.9	-26.5	E	4.1	4.1	C	0	0	TP3007	1.9	1.6			
21	5.0	5.0	76	3.2	-0.1	26	---	---	44	2.3	2.3	5	-25.1	-26.4	C	0	0	B	2.0	2.0	TP3008	3.3	3.3			
22	2.0	2.0	77	0	0	27	---	---	45	5.1	5.1	6	-26.5	-26.5	B	4.4	4.4	Q4001			TP3009	0	0			
23	2.4	2.3	78	2.1	2.1	28	2.9	2.9	46	3.6	3.6	7	-26.4	-26.3	Q1005			E	5.1	4.3	TP3010	4.9	5.0			
24	2.3	2.1	79	2.8	2.9	29	2.5	2.5	47	1.8	1.4	8	-26.4	-26.3	E	4.7	4.7	C	-22.0	5.0	TP3011	0.3	0.4			
25	2.0	2.0	80	2.1	2.1	30	3.1	3.1	48	2.2	2.2	9	-26.4	-26.3	C	5.2	5.2	B	5.1	5.1	TP3101	2.9	3.1			
26	2.4	2.3	81	2.4	2.6	31	3.0	3.1	49	3.6	3.6	10	-26.4	-26.3	B	5.3	5.3	Q4002			TP3102	2.8	3.0			
27	2.0	1.9	82	---	2.7	32	2.3	2.4	50	3.5	3.4	11	---	---	Q1051			E	-22.0	0.7	TP3103	1.8	1.9			
28	0	0	83	2.5	2.5	33	2.8	2.8	51	5.1	5.1	12	-26.3	-26.3	E	12.1	12.0	C	0	0	TP3150	4.1	3.1			
29	1.8	1.8	84	2.4	2.3	34	2.9	2.9	52	3.5	3.5	13	-26.5	-26.2	C	14.3	14.4	B	-13	0	TP3151	2.3	2.4			
30	1.8	1.8	IC3101			35	5.0	5.0	53	5.9	-0.1	14	-26.5	-26.3	B	9.3	9.4	Q4003			TP3152	2.5	2.6			
31	2.0	2.1	1	3.0	3.0	36	0	0	54	2.3	2.3	15	-26.4	-26.3	Q1052			E	-22.0	0.7	TP3153	2.5	2.6			
32	2.2	2.3	2	5.0	5.0	IC4201			55	0	0	16	-29.7	-29.7	E	0.6	0.5	C	0	0	TP3154	1.1	1.2			
33	1.9	2.0	3	0	0	1	2.0	2.3	56	0.1	0.1	17	---	---	C	9.1	9.3	B	-13.0	0	TP3401	0	0			
34	2.7	2.7	4	3.0	3.0	2	0	0	57	5.9	5.8	18	5.2	5.2	B	0	0	Q4004			TP3801	0	0			
35	2.0	2.2	5	2.9	2.9	3	2.4	2.2	58	12.1	-0.1	19	2.5	2.5	Q1053			E	0	0	TP3802	0	0			
36	---	2.4	6	-2.6	-3.5	4	0	0	59	5.9	5.8	20	2.7	2.4	E	5.1	5.1	C	-4.5	-4.5	TP3803	0	0			
37	16.4	1.4	7	2.1	2.1	5	2.2	2.2	60	0.6	-0.1	21	0	0	C	5.2	5.2	B	0	0	TP3804	0	0			
38	4.4	2.2	8	3.3	3.5	6	2.5	2.4	61	2.5	-0.1	22	4.3	4.2	B	5.9	5.9	Q4005			TP3805	5.0	5.1			
39	1.9	1.9	IC3201			7	2.0	2.1	62	2.4	-0.1	23	5.1	5.1	Q1080			E	-4.7	-4.7	TP4002	0	0			
40	2.8	2.9	1	2.9	2.9	8	0.4	0.3	63	2.3	2.3	24	1.3	0.1	E	23.5	23.4	C	0	0	TP4003	0	0			
41	2.7	3.4	2	-2.6	-2.6	9	0	0	64	0.4	0.4	25	---	---	C	13.8	13.8	B	0	0	TP4011	0	0			
42	0	0	3	5.0	5.0	10	0.2	0.2	IC6301			26	---	---	B	23.5	23.3	Q4006			TP4101	0	0			
43	3.3	3.3	4	0	0	11	0	0	1	-29.7	-29.7	27	---	---	Q1081			E	-4.3	-4.3	TP4102	0	0			
44	---	2.5	5	2.1	2.1	12	2.0	2.1	2	0	0	28	---	---	E	0	0	C	0	0	TP4103	0	0			
45	---	2.5	6	2.1	2.1																					

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

MODE PIN NO.	REC	PLAY	STOP
IC2601			
1	13.8	13.8	14.2
2	13.8	13.8	14.2
3	14.3	14.3	14.7
4	1.1	1.1	1.2
5	5.2	5.2	5.3
6	0.8	0.8	0.9
7	0.9	0.9	0.9
8	0.6	0.6	0.6
9	---	2.7	2.9
10	1.4	1.4	1.5
11	0	0	0
12	3.9	3.9	3.9
13	3.9	3.9	3.9
14	3.9	3.9	3.9
15	---	0.1	0.1
16	13.8	13.8	14.2
IC6001			
1	5.2	5.2	5.3
2	0	0	0
3	---	---	5.0
4	---	---	0.2
5	4.7	4.7	4.9
6	0	0	0
7	0	0	0
8	4.7	4.7	4.8
9	0.1	0.1	0.2
10	5.1	5.1	5.1
11	4.9	4.9	5.0
12	0	0	0
13	4.9	4.9	4.9
14	5.0	5.0	5.1
15	4.8	3.4	4.9
16	5.0	5.0	5.1
17	5.2	4.9	5.2
18	5.0	5.1	5.1
19	5.1	5.1	5.1
20	5.1	5.1	5.1
21	0	0	2.6
22	---	---	0
23	1.5	2.6	5.1
24	0	0	0
25	---	---	---
26	0	0	0
27	0	2.6	2.6
28	5.1	0	0
29	3.8	3.8	1.5
30	0	0	0
31	0	0	0
32	0	0	0
33	---	2.3	2.6
34	2.4	2.5	0
35	2.4	2.4	2.5
36	5.1	5.1	5.2
37	---	---	2.7

MODE PIN NO.	REC	PLAY	STOP
38	---	---	2.6
39	0	0	0
40	4.7	4.7	4.7
41	4.7	4.8	4.7
42	0	0	0
43	4.7	4.7	4.7
44	4.7	4.7	4.7
45	4.7	4.7	4.8
46	4.7	4.7	4.8
47	1.9	2.0	2.0
48	0	0	0
49	1.9	1.9	2.0
50	2.7	2.7	2.7
51	5.2	5.2	5.3
52	2.5	2.6	2.7
53	2.5	2.6	2.7
54	0	0	0
55	0	0	0
56	5.1	5.1	5.2
57	4.6	4.6	4.7
58	0	0	0.1
59	0	0	0
60	5.1	5.1	5.1
61	0.3	0.2	0.2
62	5.1	0	5.2
63	5.1	5.1	5.1
64	0	0	0
65	1.1	0.9	1.2
66	0	0	0
67	0.2	2.6	0
68	---	---	2.6
69	2.5	2.5	2.6
70	2.5	-0.1	2.6
71	0	-0.1	0
72	2.5	---	2.6
73	5.1	5.1	5.2
74	1.9	1.6	2.5
75	1.5	1.6	2.6
76	2.5	2.5	2.6
77	1.8	0.2	2.6
78	3.4	2.8	3.4
79	4.6	3.7	4.7
80	---	---	4.7
81	4.9	4.9	4.9
82	0	0	0.2
83	0	0	0.1
84	0	0	0
85	1.7	0.1	2.2
86	1.7	0	2.6
87	5.2	5.2	5.3
88	5.2	5.2	5.3
89	5.2	5.2	5.3
90	5.2	5.2	5.3
91	5.0	5.0	5.1
92	0	0	0

MODE PIN NO.	REC	PLAY	STOP
93	5.0	5.0	5.1
94	5.0	5.0	5.1
95	0	0	5.1
96	5.2	4.9	0
97	0	0	5.1
98	1.5	2.6	0
99	5.1	5.1	5.1
100	0.2	0	0.4
IC6002			
1	1.1	1.1	1.2
2	0	0	0
3	0	0	0
4	---	---	0.1
IC6003			
1	---	2.3	2.4
2	1.1	1.1	1.2
3	0	0	0
4	---	---	0.2
IC6005			
1	0	0	0
2	0	0	0
3	0	0	0
4	0	0	0
5	5.2	5.2	5.2
6	5.1	5.1	5.1
7	0	0	0
8	5.2	5.2	5.3
Q6001			
E	0	0	0
C	---	---	5.1
B	0	0	0
Q6002			
E	11.2	12.0	12.1
C	11.8	0	0
B	12.0	12.1	12.1
Q6003			
E	5.1	0	0
C	11.2	12.0	12.1
B	4.5	0	0
Q6005			
E	4.3	4.3	4.4
C	5.1	5.1	5.2
B	5.2	5.2	5.3
Q6006			
E	0.7	0.7	0.8
C	0.1	0.1	0.1
B	0	0	0
Q6007			
E	0.1	0.1	0.1
C	5.1	5.1	5.2
B	5.1	5.1	5.2

MODE PIN NO.	REC	PLAY	STOP
Q6009			
E	0	0	0
C	5.1	5.1	5.2
Q6010			
E	0	0	0
C	5.0	5.1	4.8
TP6001	---	---	5.2
TP6002	---	---	0.2
TP6003	3.4	2.9	2.9
TP6004	5.0	5.2	5.1
TP6005	5.0	5.1	5.1
TP6007	0	0	0
TP6008	0	0	0
TP6009	5.2	5.3	5.3
TP6010	5.3	5.3	5.3
TP6011	5.2	5.2	5.2
TP6014	0	0	0
TP6016	3.5	3.5	3.5
TP6017	0	0	5.3
TP6018	5.2	5.3	0
TP6019	0	0	5.3
TP6201	2.3	0.2	0
TP6202	2.4	2.5	4.1
TP6203	2.5	2.6	2.6
TP6204	1.1	1.2	5.3
TP6205	2.6	2.6	0.1
TP6206	2.9	2.6	2.6
TP6207	2.5	2.6	2.6
TP6208	2.5	2.6	4.1
TP6209	2.3	2.5	2.6
TP6210	2.3	0.8	2.3

CAPSTAN STATOR
C.B.A. (A, B, C, D)

MODE PIN NO.	REC	PLAY	STOP
P2502			
1	13.6	13.6	14.3
2	5.2	5.2	5.2
3	5.3	5.3	5.3
4	2.5	2.4	2.6
5	0	0	0
6	2.6	2.6	2.6
7	0	0	0
8	0.5	0.5	0.5
9	2.6	2.6	2.6
10	0.1	0.1	2.6
11	0	0	0
12	0	0	0
P2503			
1	1.8	1.7	1.5
2	1.8	1.7	1.5

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

CAPSTAN STATOR
C.B.A. (E, F, G)

MODE PIN NO.	REC	PLAY	STOP
P2502			
1	13.6	13.8	14.3
2	5.2	5.2	5.2
3	5.3	5.3	5.3
4	2.2	2.4	2.6
5	0	0	0
6	2.6	2.6	2.6
7	0	0	0
8	0.5	0.6	0.5
9	2.6	2.6	2.7
10	0.1	0.1	2.6
11	0	0	0
12	0	0	0
P2503			
1	2.5	4.2	4.2
2	3.3	4.3	4.3

COMPARISON CHART
OF MODELS & MARKS

MODEL	MARK
PV-V4600	A
PV-V4620	B
PV-V4620-K	C
PV-V4630-K	D
PV-V4640	E
PV-V4640-K	F
PV-V4660	G

Hi-Fi AUDIO/VIDEO
HEAD AMP C.B.A.

[illegible]

OPERATION C.B.A.

[illegible]

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