

SCHEMATIC DIAGRAM CHASSIS : CP - 420

* PAL - B/G

- * PAL/SECAM B/G. D/K NTSC - 3.58/4.43 (AV) * PAL - B/G SECAM - L
- * PAL I
- RUN NO.19 Jan.1998.

NOTES :

- L ALL RESISTORS ARE 1/6 WATT UNLESS OTHERWISE NOTED. (CHP RESISTORS ARE 1/10 WATT) 2. CAPACITANCE VALUES 1 AND ABOVE ARE IN OF EXCEPT AS INDICATED. 3. INDUCTOR VALUES ARE IN UH EXCEPT AS INDICATED. 4. ALL DIODE ARE IN4148 EXCEPT AS INDICATED. 5. ALL NPN TRANSISTOR ARE 25C1623, ALL PNP TRANSISTER ARE 25A812 EXCEPT AS INDICATED 6 ALL THE DO VOLTAGES IN EACH POINT ARE NEASURED BITH DIGITAL YOUTHETER INDER THE STANDARD RAL COLOUR RAR SIGNAL INDUST (5 CHANNEL) AND ALL CONTROLS SET TO THE NAVIMIN DOCITION AT NONINAL LINE VOLTAGE AC 230V 50HZ 7. SINCE THIS SCHEWATIC DIAGRAM IS A STANDARD ONE THE OPCULT AND OPCULT CONSTANTS MAY BE SUBJECT TO

CHANGE FOR IMPROVEMENT WITHOUT ANY NOTICE.

SAFETY CAUTION :

BEFORE SERVICING THIS CHASSIS IT IS NPORTANT THAT THE SERVICE TECHNICIAN READ AND FOLLOW THE X-RAY RADIATION PRECAUTION. "SAFETY PRECAUTIONS" AND "PRODUCT SAFETY NOTICE" IN THE SERVICE MANUAL

PRODUCT SAFETY NOTE :

COMPONENTS MARKED WITH ARE INFORTANT FOR MAINTAINING. THE SAFETY OF THE SET AND SHOULD BE REPLACED ONLY WITH TYPES IDENTICAL TO THOSE IN THE ORIGINAL OR SPECIFIED ONE IN THE PARTS LIST. DON'T DEGRADE THE SAFETY OF THE SET THROUGH MPROPER SERVICING.

WAVE FORMS VIDEO : 8 STEP PAL COLOR BAR 87.5% AM

AUDIO : 1KHz SINE WAVE 60% FM 2.6V P-P 3 LIV P-P • 2.3V 1 586mV Կե₀⊬ | על **"זיין"** על **"זיין"** על **יין** | <u>יי____</u>ייי ٦đ ov Įuw ⑥ 243my ④ ⑦ 1.2V p_p (5) 23mV P_P A Ն^վ ¶նγ+ ∞_________ Ъď 6V 2.8V 0V 2.4 () 0.4V ₩ ® 0.77 _{p-p} ₩ 10 17 _{p-p} ₩ 10 L37 _{p-p} ₩ ╒┰╴╎╶┼┙║┎┯╴╎┽┥╎ ┍┉╷┉╴┈╵╸╵╸ ____ f¹t⁻ ++\][**P**_--\]**2**** 91.... ov ____ ⁽¹⁾ 2.2V _{p−p} (0) (0) 2.2V _{p−p} (0) (0) 10V _{p−p} (0) [[~[____ խող ſЛ, 1.57 <u>0Y</u>_____ <u>ov</u>____ @ 0.8V p-p (H) (B) 7V p-p (H) (B) 4.8V p-p (H) (B) 3.5V p-p (H) ov 1044 U ov \ ₩ ₩ 0.9V p-p 1 5.4V p.p -1AM

0Y .

B 10 HOV

(1) 568V P_P

(H) 19 592V p. (H) 19 93V p.p (H)

നപങ: MAIN SCHEMATIC DIAGRAM

⊛∿®: POWER SCHEMATIC DIAGRAM

ov a

@ 43.5V

10.8V

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ov_____

(3) 93V P-P

hhÞ

1

③ 92V P−P

]^{127,41}

II.

1 1 12.2V P-P

⊚ 25.4V

"E-batt

() 0.8V p-p

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102.2V

NO LOC PART DVT-14F6LA DVT-14F6L (2 TUNER) (1 TUNER)

1 ANTO1 NODULE RF PH-RF-9701A

<u>ov</u>____

34.7V

177.

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Ø Ø 46.1V _{₽-₽} ⊕

24.6V P-P

DIFFERENT	PART FOR SYSTEM	
	PAL B/G P/S-B/G,D/K P-I	P/S-B/G

	LOC	PART		P/S-B/G,D/K	P-I	S-L/L'
			[FA]	[DA]	[PA]	[LÅ]
1	C229	C ELECTRO	x	x	x	25V RSS 47uF
2	C231	C ELECTRO	x	x	x	50V RSS 4.74
3	C232	C ELECTRO	x	x	x	50V RSS 4.74
4	C545	C NYLAR	x	100V 0.1uF	×	100V 0.1uF
5	C555	C NYLAR	x	50V EU 0.224F	×	50V EU 0.22uF
6	C558	C ELECTRO	x	25Y RSS 47uF	×	25V RSS 47uF
7	CL07	C CERA	x	x	×	25V 0.01uF (A)
8	CL13	C CERA	x	x	ř	
						25V 0.01uF (A)
,	CL22	C ELECTRO	x	×	×	NEV RSW 47uF
10	CL23	C ELECTRO	x	×	×	16V RSW 47uF
11	CC101	C CHIP CERA	x	×	x	50V CH 22PF
12	CC203	C CHIP CERA	x	x	x	50V CH 22PF
13	CC204	C CHIP CERA	x	x	x	SOV CH 22PF
14	CC211	C CHIP CERA	x	x	x	SOV CH 82PF
15	CC217	C CHIP CERA	X	x	x	50¥ 1000PF
16	CC218	C CHIP CERA	x	×	×	50¥ 1000PF
17	CC219	C CHIP CERA	50V CH BPF	50V CH BPF	SOV CH BPF	×
	CC222	C CHIP CERA	x	×	×	50V 0.1uF
	CC504	C CHP CERA	x	50V 0.1uF	x	50V 0.1uF
20	CC710	C CHIP CERA	x	307 0.12P	×	SOV CH 16PF
	CC718	C CHIP CERA	x	×	X	35V 0.47uf
			x	x	x	
22	CCL01	C CHP CERA				SOV CH 22PF
	CCL02	C CHIP CERA	x	×	×	50V CH 15PF
	CCL03	C CHIP CERA	x	×	×	50V 0.01uF
	CCL04	C CHIP CERA	x	×	x	50V 0.01uF
	CCL05	C CHIP CERA	x	x	x	SOV 0.NF
27	CCL06	C CHIP CERA	x	×	x	50V 0.1uF
	CCLOS	C CHIP CERA	x	×	×	50V 0.01uF
29	CCL10	C CHIP CERA	x	×	x	50V CH 100PF
30	CCL12	C CHIP CERA	x	x	x	50V 0.0334F
31	CCL14	C CHIP CERA	x	x	x	50V 0.047uF
32	CCL15	C CHIP CERA	x	x	x	50V 0.01uF
33	CCL16	C CHIP CERA	x	×	×	SOV CH 82PF
34	CCL17	C CHIP CERA	x	×	×	50V 0.0W
35	CCL18	C CHIP CERA	x	×	×	50V 0.047#
36	CCL19	C CHIP CERA	x	x	x	50V 0.01uF
37	CCL20	C CHIP TANTAL	x	x	×	25V 4.7uF
38	CCL21	C CHP TANTAL	x	x	×	16Y 2.2uF
39	CCI 26	C CHP TANTAL	x	x	¥	25V IUF
40	CCI 27	C CHP TANTAL	x	x	×	257 14
41	CCL 29	C CHP TANTAL	16 Y 10 JF	16V 10uF	16V IQUE	x
42	CCL 30	C CHP TANTAL	x	x	×	25V 4.7uF
43	CCL31	C CHIP CERA	Y	x	Y	50V CH 100PF
44	CCL34	C CHIP CERA	×	×	×	50V 0.01uF
45	CCL35	C CHIP CERA	x	x	x	50V 0.0MF
46	CCL 36	C CHP TANTAL	x	×	×	16V 10uF
47	D101	DIODE	x	×	x	152186
48	D102	DIODE	X	x	x	152186
48	D102	DIODE	x	x	x	152186 BB909A
50	D109	DIODE ZENER	x	x	x	UZ_5.18M
51	D110	DIODE	x	×	×	UZ_5.18M
52	DL01	DIODE	x	×	x	152186
53	DL02	DIODE	x	x	x	152186
54	1201	IC	TDA9800	TDA9800	TDA9800	TDA9802
55	1501	IC	TDA8374A/N3	TDAB374A/N3	TDA8374A/N3	TDA8374/N3
56	1503	IC	x	TDA8395	x	TDA8395
57	IL01	IC	x	×	x	STV8225
58	IL02	IC .	x	×	×	STV8225
59	IY03	IC	x	×	×	TA1238N
60	J014	WRE COPPER	x	×	x	JUNPER WIRE
61	J029	WRE COPPER	x	x	x	JUNPER WIRE
62	J032	MRE COPPER	x	x	x	JUNPER BIRE
63	J039	WRE COPPER	x	x	x	JUNPER WRE
64	J050	WRE COPPER	x	×	×	JUNPER WIRE
65	3085	WRE COPPER	x	×	×	JUNPER BIRE
66	J103	MRE COPPER	JUMPER WIRE	JUNPER WIRE	JUNPER WIRE	×
67	J113	MRE COPPER	x	x	x	JUNPER WIRE
68	J114	WRE COPPER	x	×	×	JUNPER WIRE
	J115	MRE COPPER	x	×	×	JUNPER WIRE
69			x	×	×	ANPER BRE

DIFFERENT PART FOR SYSTEM

PAL B/G P/S-B/G,D/K P/S-B/G S-L/L' [LA] P-I PART NOLOC 1011 (FA1 [AD] 71 JIBB NIRE COPPER 72 J219 NIRE COPPER JUNPER WRE x ¥ х x х 72 9219 Mike COPPER 73 J238 Mike COPPER 74 J269 Mike COPPER 75 J274 Mike COPPER 76 J289 Mike COPPER x JUNPER WIRE JUNPER WRE × JUNPER WRE x x JUNPER WRE 70 LLD3 MIRE COPPER 77 J295 WIRE COPPER 78 LLD3 COIL PEAKING 79 LYD2 COIL PEAKING x JUNPER WRE ¥ x 100-41 (04) 100uH (04) × × 80 QC201 TR CHP 81 QC202 TR CHP ¥ ¥ ¥ KTC3881 25C1623 82 QC203 TR CHP 83 QC204 TR CHP 84 QC702 TR CHP x 25C1623 х 2SC1623 x x х 2SC1623 x 85 QC704 TR CHP 86 QCL01 TR CHP 2SC1623 KTC3881 x 87 QCL02 TR CHIP 88 QCL03 TR CHIP ¥ 2501623 2SC1623 89 QCL05 TR CHP 90 QCL07 TR CHP 91 RC209 R CHP x х 25C1623 ¥ × 2501623 x x 1/10W 100K 92 RC210 R CHIP 93 RC211 R CHIP x 1/10W 15K 1/10W 2.2K x x 94 RC213 R CHIP 95 RC214 R CHIP x ¥ х 1/10W 10K 1/10W 10K 96 RC215 R CHP 97 RC216 R CHP 98 RC217 R CHP x 1/10W 10K x 1/10W 68K X × x 99 RC225 R CHP 100 RC226 R CHP 1/10W 10K 1/10W 7.5K x x 101 RC228 R CHP 102 RC229 R CHP ¥ 1/108 228 1/10W 330 103 RC234 R CHP 104 RC237 R CHP 105 RC501 R CHP x 1/10# 47 x х 1/10W 750 1/10W 33K x x 106 RC541 R CHIP x 1/10W 10K 107 RC542 R CHP 108 RC702 R CHP 1/10W 10K x x x x ¥ 1/10W 10K 108 RC702 R CHP 109 RC726 R CHP 110 RC727 R CHP 111 RC731 R CHP 112 RC739 R CHP 1/10W 24K x 1/10W 4.7K × 1/10W 10K 1/10W 4.7K × × x 3 RC774 R CHIP X X 4 RCJ05 R CHIP 1/10W 0 1/10W 0 1/10W 24K X 1/10W 0 T15 RCJ06 R CHIP 1/10W 0 1/10W 0 1/10W 0 T16 RCJ19 R CHIP X X X x 1/10W 0 117 RCJ26 R CHP 118 RCJ31 R CHP 119 RCJ33 R CHP 1/10W 0 1/10W 0 1/10# 0 x x 1/10W 0 1/10W 0 1/10# 0 1/10W 0 x x x 120 RCL02 R CHP 121 RCL03 R CHP ¥ 1/100 658 1/10W 2.2K x 122 RCL07 R CHP x X x 1/10W 33K 123 RCL12 R CHIP 124 RCL13 R CHIP × 1/10W 10K x х 1/10W 10K х 125 RCL14 R CHIP 126 RCL15 R CHIP 1/10W 10K 1/10W 10K x x х х 127 RCL16 R CHIP 128 RCL17 R CHIP 1/10W 100 1/10W 750 x x x 129 ROL18 R CHIP 130 RCL30 R CHIP 131 ROL31 R CHIP x 1/10W 15K 1/10W 1K x x 1/10W 33K х 132 RCL32 R CHIP 133 RCL33 R CHIP 1/10W 12K 1/10W 2K × 134 RCL34 R CHIP 135 RCL38 R CHIP x 1/10/8 560 1/10W 1K ISS RCLSE R CHIP 136 R203 R CARBON FILN 137 R218 R CARBON FILN 138 R227 R CARBON FILN x x x 1/68 100K x х 1/6W 22K × х 1/6W 47 х 139 R240 R SEM FIXED 140 R505 R CARBON FILN 10KB

DIFFERENT PART FOR SYSTEM

N Loc PAL P/AL	211				01 31	SILW	
NI Rote R	NO	LOC	PART				P/S-B/G S-L/L' [LA]
No. Display X X V/W P No. R. 4.0400 Y/W P X X V/W P No. R.4.000 Y/W P X X V/W P No. R.4.000 Y/W P X X V/W P No. S.4.000 Y/W P X X V/W P M.90 S.1.000 Y/W P Status V/W P Status M.90 S.1.000 Status Status Status V/W P Status <td>141</td> <td>RL01</td> <td>R CARBON FILM</td> <td>x</td> <td>x</td> <td>x</td> <td>1/6W 22K</td>	141	RL01	R CARBON FILM	x	x	x	1/6W 22K
No. Display X X V/W P No. R. 4.0400 Y/W P X X V/W P No. R.4.000 Y/W P X X V/W P No. R.4.000 Y/W P X X V/W P No. S.4.000 Y/W P X X V/W P M.90 S.1.000 Y/W P Status V/W P Status M.90 S.1.000 Status Status Status V/W P Status <td>142</td> <td>RL10</td> <td>R CARBON FILM</td> <td>×</td> <td>x</td> <td>x</td> <td>1/6W 1K</td>	142	RL10	R CARBON FILM	×	x	x	1/6W 1K
Heat Constant X X V/94 20 969 Constant X X V/94 20 169 Constant X X V/94 20 169 Constant X X V/94 20 169 Constant Constant X V/94 20 169 Filter X X V/94 20 1970 Tr.TTE bas Onesco TS X V/94 20 1970 Tr.TTE bas Onesco TS X Onesco Onesco 1970 Tr.TTE bas Onesco TS X Vieta Onesco On						×	
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149 073 TLTE IAN 094000 123300 013320 014800 197 TLTE IAN T X 14400 197 TLTE IAN T X 14400 197 TLTE ICAN 1975-AURI 1976-AURI 1976-AURI 1976-AURI 1020 TLTE ICAN 1975-AURI 1976-AURI 1976-AURI <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
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99 704 714.11 Close 975.44/2 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
19/20 20/20 FLTE (20/4) FPS-Sume TPS-Sume TPS-Sume <t< td=""><td>149</td><td>5704</td><td>FILTER SAW</td><td>×</td><td>×</td><td>×</td><td>L9461W</td></t<>	149	5704	FILTER SAW	×	×	×	L9461W
192 202 FLTE COA X 1754.000 X X 91 202 FLTE COA 2794.400 X X X 91 202 FLTE COA 9794.400 9794.400 X X 91 202 FLTE COA 9794.400 9794.400 X X X 91 202 FLTE COA 9794.400 1794.000 TO X X X 92 202 FLTE COA 779.500 1794.000 TOS.500 TOS.5							
S05 Def FLTB (2004) X FFFE-March X X 51 2007 FLTB (2004) FSFE-March STPE-March STPE-March <td>151</td> <td>Z206</td> <td>FILTER CERA</td> <td>TPS5.5MB</td> <td>TPS5.5NB</td> <td>TPS6.0VB</td> <td>TPS5.5WB</td>	151	Z206	FILTER CERA	TPS5.5MB	TPS5.5NB	TPS6.0VB	TPS5.5WB
94 DS2 FLTE COX 9795A/R01 9796A/R01 9796A/R01 <td>152</td> <td>Z207</td> <td>FILTER CERA</td> <td>×</td> <td>TPS6.5NB</td> <td>x</td> <td>x</td>	152	Z207	FILTER CERA	×	TPS6.5NB	x	x
94 DS2 FLTE COX 9795A/R01 9796A/R01 9796A/R01 <td>153</td> <td>Z501</td> <td>FILTER CERA</td> <td>x</td> <td>SF SH4.5NCB</td> <td>x</td> <td>x</td>	153	Z501	FILTER CERA	x	SF SH4.5NCB	x	x
95 265 74.115 COM X 1974.000 X X 92 264 FATS.100 1975.500 1975.000	154	Z502	FILTER CERA	SF SH5.5MCB	SFSH5.5MCB	SFSH6.0WCB	SF SH5.5MCB
196 264 7411 CUA TPS-Sump TPS-Sum TPS-Sum							
197 101 MUTLA code 29 30 29 30 29 30 29 30							
198 FORM NUTLAY CODE 78 30 78 30 78 30 78 30 78 30 78 30 78 30 78 30 78 30 78 30 78 30 78 30 78 30 78 30 78 30 78 30 78 30 78 30 78 30 70 30 78 30 30 30 31 31 31 31 31 31 31 31 31 31							
199 0230 C-UPP-CTAA X 0570-01.5007 X X 400 RCM4 R-UPP X 1/0.08 X X 410 RCM4 R-UPP X 1/0.08 X X 100 R-CAMON FLAX L/0.64.44 V.108.64.45 1/0.84.45 1/0							
ND RCS44 R CMP X 1/108 560 X X NS NR68 R CARBON FLN 1/08 6.06 1/08 6.06 1/08 4.5K							
161 RNB R CARBON FILM 1/6W 6.8K 1/6W 6.6K 1/6W 6.7K 1/6W 6.7K 182 PMCI CORD POMER AS CM4232 H03VW2 CM4232 H03VW42							
N2 PMCI CORD POWER AS CM4232 HO3VVH2 CM4232 HO3VVH2 CM3222/240V 5A CM4232 HO3VVH2 N3 C107 C ELECTRO 50V RSS 10uF 50V RSS 10uF 50V RSS 10uF 25V RSS 10uF							
163 C107 C ELECTRO 50V RSS 10uF 50V RSS 10uF 50V RSS 10uF 25V RSS 47uF							
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DIFFERENT PARTS FOR SIZE

NO	LOC	PART	14"	20"
1	L404	COIL H-LINEARITY	L-125	L-102
2	C415	C NYLAR	200V PU 0.47uF	200V PU 0.36uF
3	R834	R CARBON FILM	1/4# 100	1/4W 91
4	R833	R CARBON FILM	1/4¥ 4.7K	1/4W 5.1K
5	R301	R CARBON FILM	1/48 1.8K	1/4W 2.2K
8	R419	R N-OXIDE FILM	1W 1.2	11 2.4
,	R572	R CARBON FILM	1/6W 8.2K	1/6W 6.8K
	-			
	-			

COIL

RESISTOR

112 212 1	011	OUL	
CARBON FILM	<u> </u>	PEAKING	<u> </u>
CARBON COUP		CHOKE	
FUSBLE	- 0 20- (r)	BEAD	(B)
N-OXDE FILM	þ		
CENENT			
CHIP		1	

CAPACITOR

ELECTRO	- <u>+</u>						
ELECTRO							
TANTAL	_+←						
CERAMIC	i						
WYLAR	w						
снр	—i—						

2	C225	C ELECTRO	50V RSS 22uF	x
3	C226	C ELECTRO	25V RSS 47uF	x
4	C227	C ELECTRO	SOV RSS NF	×
5	C229	C ELECTRO	25V RSS 47uF	×
6	C230	C ELECTRO	16V RSS 470uF	×
7	C231	C ELECTRO	50V RSS 4.7uF	×
8	C232	C ELECTRO	50V RSS 4.7uF	x
9	C233	C ELECTRO	25V RSS 100uF	x
10	C514	C CERA	x	50V 0.047uF
11	C556	C ELECTRO	25V RSS 47uF	x
12	C557	C ELECTRO	25V RSS 47uF	×
13	C724	C ELECTRO	25V RSS 220	×
14	CC108	C CHP CERA	50¥ 1000PF	×
15	CC110	C CHP CERA	50V 0.01uF	x
16	CC111	C CHP CERA	50V 0.01wF	x
17	CC112	C CHP CERA	50V 0.01#	×
18	CC201	C CHP CERA	50V 0.0334F	x
19	CC202	C CHIP CERA	50V 0.022uF	x

20 CC203 C CHP CERA 50V CH 22PF 21 CC204 C CHP CERA 50V CH 22PF

22 CC205 C CHP CERA 50V CH 82PF

25 CC208 C CHP CERA 50V 0.01/F 26 CC209 C CHP CERA 25V 0.22/F

29 CC213 C CHP CERA SOY 1000PF 30 CC214 C CHIP CERA 50V CH 39PF

27 CC211 C CHP CERA 50V CH 82PF 28 CC212 C CHP CERA 50V 0.1uF

23 CC206 C CHP CERA 50V 0.1uF 24 CC207 C CHP CERA 50V 0.14F

x	52	CC217	C CHIP CERA	507 100094	
x	33	CC218	C CHIP CERA	50V 1000PF	x
x	34	CC220	C CHIP CERA	50V 4700PF	×
x	35	CC221	C CHIP CERA	50Y 0.1uf	x
x	36	CC222	C CHIP CERA	50Y 0.14	×
×	37	CC223	C CHIP CERA	50V 0.033#F	x
x	38	CC224	C CHIP CERA	50V 0.01wF	x
x	39	CC225	C CHIP CERA	50V 0.1uF	x
50V 0.047uF	40	CC228	C CHIP TANTAL	16V 2.2uF	×
x	41	CC235	C CHIP CERA	50V CH 220PF	×
x	42	CC236	C CHIP CERA	50V CH 220PF	×
×	43	CC509	C CHIP CERA	50Y 0.1uf	×
x	44	D101	DIODE	152186	×
x	45	D102	DIODE	152186	x
x	46	D103	DIODE	JUMP WIRE	×
x	47	D108	DIODE	88909A	×
x	48	D109	DIODE	UZ-5.18N	×
x	49	D110	DIODE	UZ-5.19N	×
x	50	D111	DIODE	UZ-5.18M	x
x	51	D113	DIODE	x	UZ-5.18M
x	52	0707	DIODE	UZ-9.18M	x
x	53	1201	IC	TDA9802	×
x	54	1504	IC	TC40538P	×
x	55	11.02	IC	STV8225	×
×	56	J012	WRE COPPER	JUNPER WRE	×
x	57	JD38	WRE COPPER	JUNPER WIRE	x
x	58	1028	WRE COPPER	JUNPER WIRE	×
x	59	J041	WRE COPPER	JUNPER WIRE	x
x	60	J042	WRE COPPER	JUNPER WRE	×

NO LOC PART DVT-14F6LA (2 TUNER)

31 CC215 C CHIP CERA 50V CH 22PF 32 CC217 C CHIP CERA 50V 1000PF

DVT-MF6L (1 TUNER)

x

61	1043	WIRE COPPER	JUNPER WIRE	x
62	1044	WIRE COPPER	JUNPER MIRE	×
63	1045	WIRE COPPER	JUNPER WIRE	x
64	1049	WIRE COPPER	JUNPER WIRE	x
65	3060	WIRE COPPER	JUNPER WIRE	×
66	3066	WIRE COPPER	JUNPER WIRE	×
67	3067	WIRE COPPER	JUNPER WIRE	×
68	J101	WIRE COPPER	JUNPER WIRE	×
69	J115	WIRE COPPER	JUNPER WIRE	x
70	J132	WIRE COPPER	JUNPER WIRE	×
71	J188	WIRE COPPER	JUNPER WIRE	×
72	1259	WIRE COPPER	×	JUNPER WIRE
73	J268	WIRE COPPER	×	JUMPER WIRE
74	1271	WIRE COPPER	JUNPER WIRE	×
75	J272	WIRE COPPER	JUNPER WIRE	×
76	J278	WIRE COPPER	JUNPER WIRE	×
77	L101	COIL CHOKE	TRF-12018	×
78	L201	COIL PIF	TRF-7780A	×
79	L202	COL PEAKING	15uH	×
80	L203	COL PEAKING	22uH	×
81	QC101	TR CHP	KTC3881	x
82	QC102	TR CHIP	25A812	x
83	QC201	TR CHP	KTC3881	×
84	QC202	TR CHP	2SC1623	×
85	90203	TR CHP	25C1623	×
86	QC204	TR CHIP	25C1623	×
87	QC205	TR CHIP	2501623	×
88	QCL06	TR CHIP	25C1623	×
89	R112	R CARBON FILM	1/6W 1.2K	×
90	R122	R CARBON FEM	1/6# 220	x

DIFFERENT PARTS FOR 1,2TUNER DIFFERENT PARTS FOR 1,2TUNER DIFFERENT PARTS FOR 1,2TUNER DIFFERENT PARTS FOR 1,2TUNER

NO LOC PART DVT-14F6LA DVT-14F6L (2 TUNER) (1 TUNER)

NO	LOC	PART	DVT-54F6LA (2 TUNER)	DVT-14F6L (1 TUNER)		NO	LOC	PART	DVT-14F6LA (2 TUNER)	DVT-14F6L (1 TUNER)
61	1043	WIRE COPPER	JUNPER WIRE	x		91	R202	R SEMI FIXED	20KB	
62	1044	WIRE COPPER	JUNPER WIRE	×	1	92	R203	R CARBON FILM	1/68 100K	x
63	1045	WIRE COPPER	JUNPER WIRE	×	1	93	R218	R CARBON FILM	1/6W 22K	x
64	1049	WIRE COPPER	JUNPER WIRE	×	1	94	R219	R CARBON FILM	1/6W 8.2K	x
65	3060	WIRE COPPER	JUNPER WIRE	x	1	95	R227	R CARBON FILM	1/6W 47	x
66	3066	WIRE COPPER	JUNPER WIRE	×	1	36	R240	R SEMI FORED	10KB	x
67	3067	WIRE COPPER	JUNPER WIRE	×	1	97	R517	R CARBON FILM	1/6# 100	x
68	J101	WIRE COPPER	JUNPER WIRE	x	1	98	R738	R M-OXIDE FILM	28 27	x
69	J115	WIRE COPPER	JUNPER WIRE	x		99	RC106	R CHIP	1/10W 47	x
70	J132	WIRE COPPER	JUNPER WIRE	x	1	100	RC107	R CHIP	1/10W 1.2K	x
71	J188	WIRE COPPER	JUNPER WIRE	x]	101	RC108	R CHIP	1/10W 4.7K	x
72	1259	WIRE COPPER	×	JUNPER WIRE		102	RC109	R CHIP	1/10₩ 100	x
73	J268	WIRE COPPER	×	JUMPER WIRE		103	RC110	R CHIP	1/10W 1.2K	x
74	1271	WIRE COPPER	JUNPER WIRE	×		104	RC201	R CHIP	1/10W 1.8K	x
75	J272	WIRE COPPER	JUNPER WIRE	x		105	RC204	R CHIP	1/10W 3K	x
76	J278	WIRE COPPER	JUNPER WIRE	×		106	RC205	R CHIP	1/10W 270	x
77	L101	COIL CHOKE	TRF-12018	×		107	RC207	R CHIP	1/10W 22K	x
78	L201	COIL PIF	TRF-7780A	×		108	RC208	R CHIP	1/10W 22K	x
79	L202	COL PEAKING	15uH	×		109	RC209	R CHIP	1/108 100K	x
80	L203	COL PEAKING	22uH	x		110	RC210	R CHIP	1/10W 15K	x
81	QC101	TR CHIP	KTC3881	x		111	RC211	R CHIP	1/10W 2.2K	x
82	QC102	TR CHIP	2SA812	x		112	RC213	R CHIP	1/10W 10K	x
83	QC201	TR CHP	KTC3881	x		113	RC214	R CHIP	1/10W 10K	x
84	90202	TR CHP	2501623	×		114	RC215	R CHIP	1/10W 10K	x
85	90203	TR CHP	2501623	×		115	RC216	R CHIP	1/10W 68K	x
86	QC204	TR CHP	2501623	×		116	RC217	R CHIP	1/10₩ 100	x
87	QC205	TR CHIP	2501623	x		117	RC221	R CHIP	1/10W 33K	x
88	QCLOE	TR CHP	2501623	×		118	RC224	R CHIP	1/10W 560	x
89	R112	R CARBON FILM	1/6W 1.2K	×		119	RC225	R CHIP	1/10W 10K	x
90	R122	R CARBON FILM	1/6₩ 220	x	1	120	RC226	R CHIP	1/10W 7.5K	x

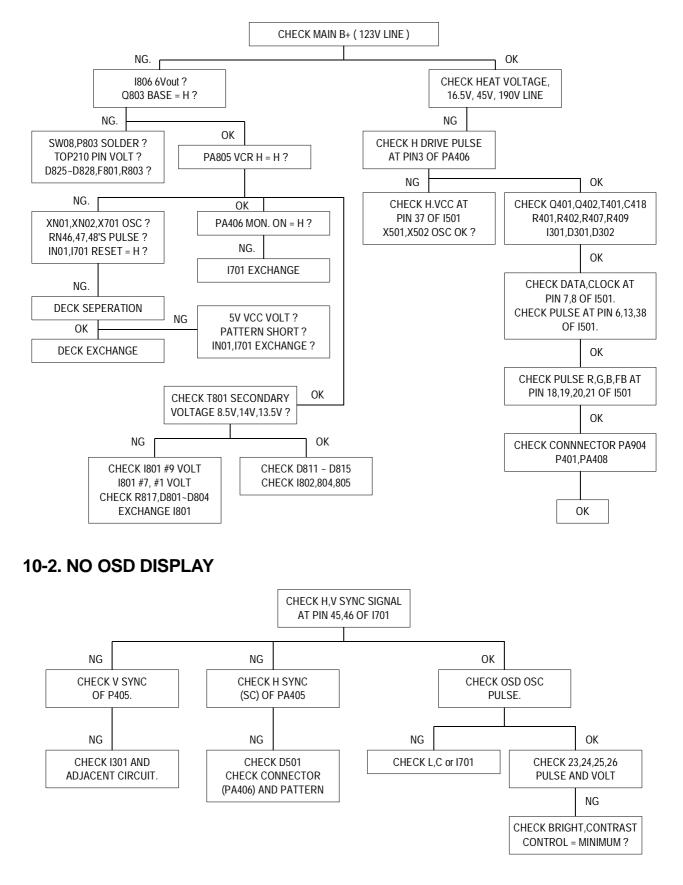
1/4W 10

x

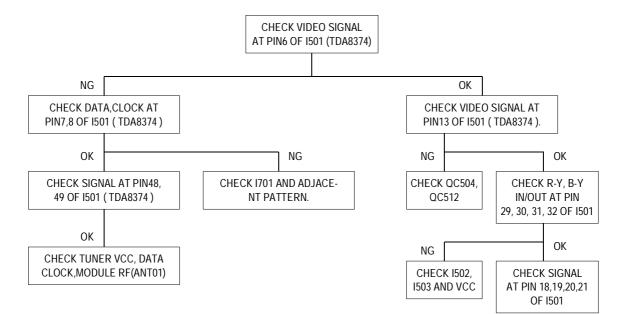
NO	LOC	PART	DVT-14F6LA (2 TUNER)	DVT-14F6L (1 TUNER)
121	RC228	R CHP	1/108 22K	x
122	RC229	R CHIP	1/10# 330	x
123	RC230	R CHP	1/10W 1.5K	x
124	RC231	R CHP	1/10W 1K	x
125	RC233	R CHP	1/10W 1K	X
126	RC235	R CHP	1/10# 560	X
127	RC236	R CHP	1/10# 470	×
128	RC237	R CHIP	1/10# 750	x
129	RC239	R CHIP	1/10# 2.4K	x
130	RC501	R CHIP	1/10 33K	x
131	RC528	R CHP	1/10W 1K	1/10# 470
132	RC582	R CHP	1/10W 0	1/10# 470
133	RC718	R CHP	1/10W 100	×
134	RC719	R CHP	1/10W 100	x
135	RC745	R CHP	x	1/10W 10K
136	RCJ13	R CHP	1/10# 0	x
137	RCJ28	R CHP	1/10W 0	X
138	RCJ34	R CHP	x	1/10W 0
139	SF03	FILTER SAW	G1986N	x
140	SF04	FILTER SAW	L9461M	x
141	U102	TUNER VARATOR	TELE9084A	x
142	U102A	JACK PHONE PLUG	250mm	x
143	Z204	FILTER CERA	SF SH5.5MCB	X
144	Z205	FILTER CERA	WKT40MA100P	x
145	Z206	FILTER GERA	TPS5.5MB	x
146				
147				
148				
149				
150				

10. TROUBLE SHOOTING CHARTS

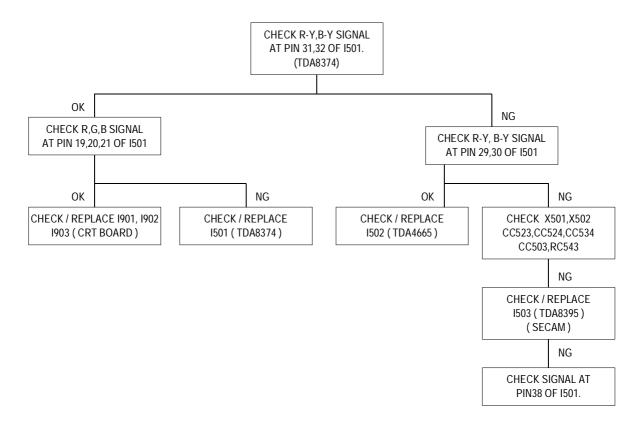
10-1. NO RASTER



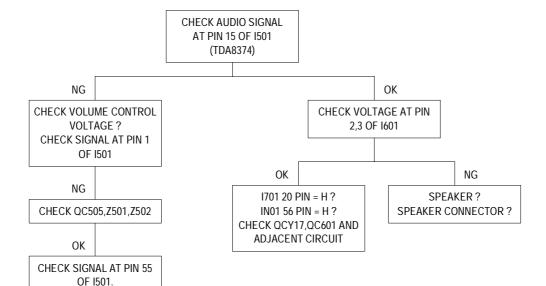
10-3. NO PICTURE(RASTER OK)



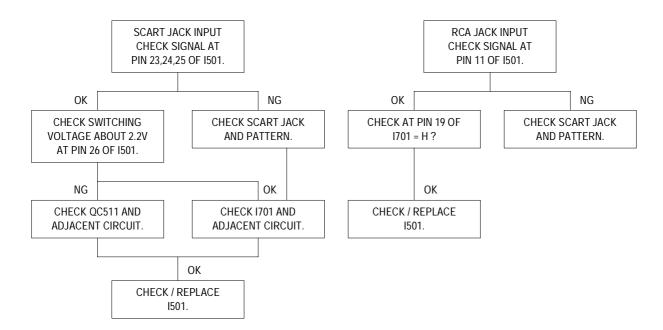
10-4. NO COLOUR



10-5. NO SOUND

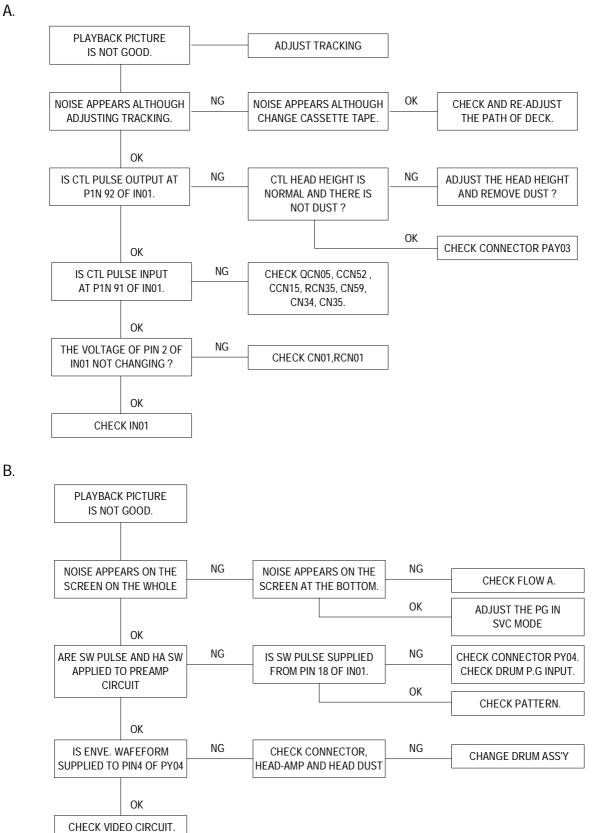


10-6. NO EXTERNAL AV

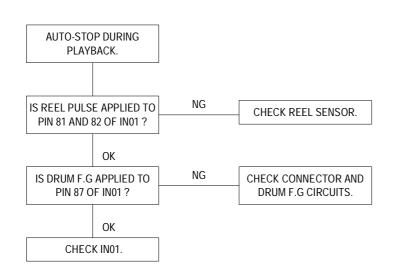


10-7. SERVO-SYSCON CIRCUIT

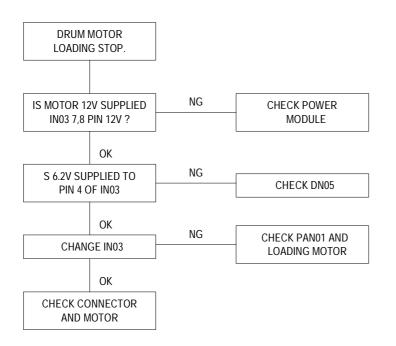
Α.



C.

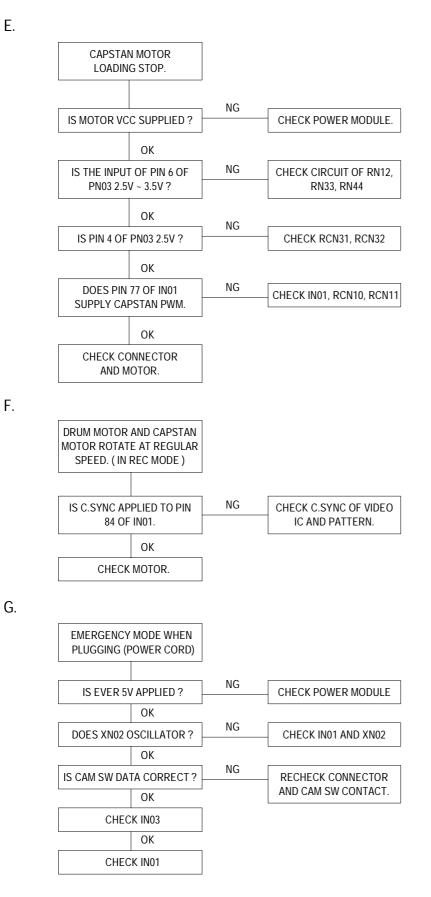


D.

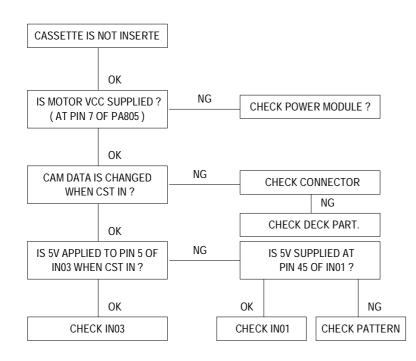


E.

F.

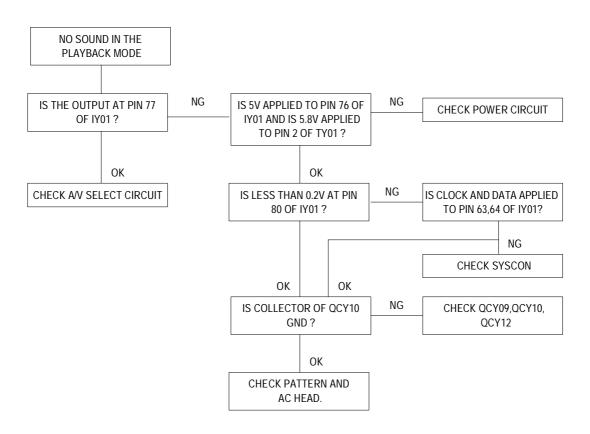


Η.

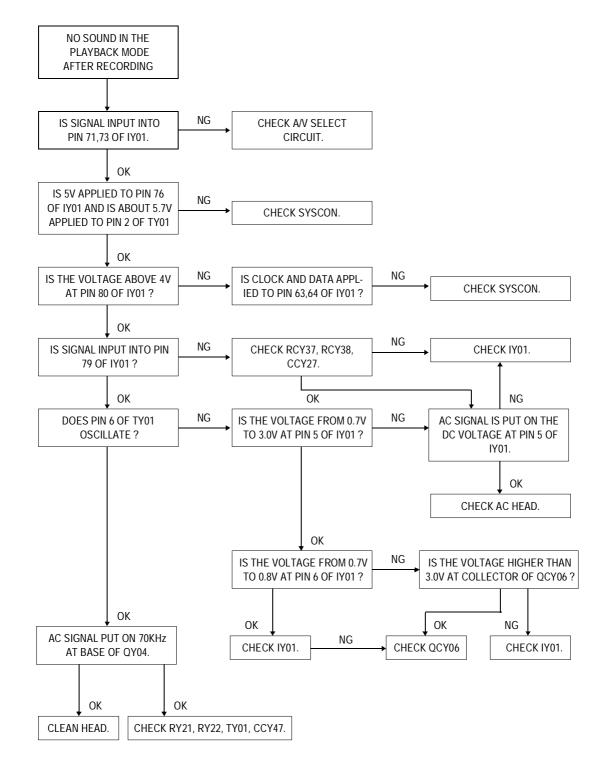


10-8. VCR AUDIO CIRCUIT(NORMAL)

A. TROUBLE SHOOTING OF PB MODE

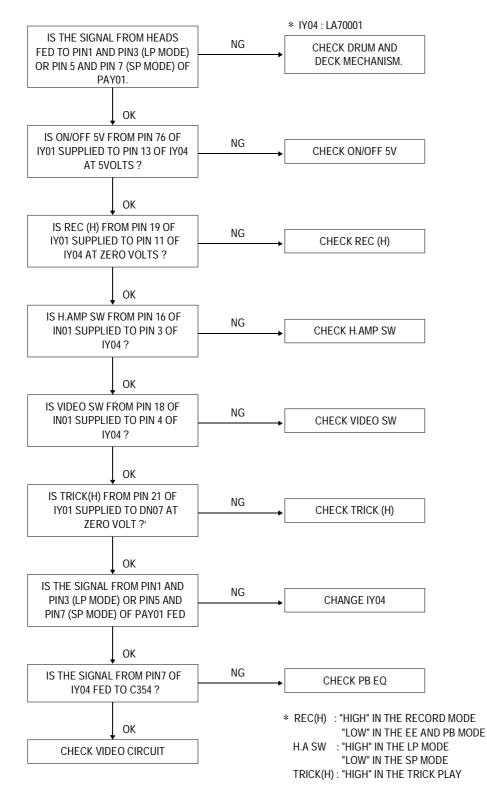


B. TROUBLE SHOOTING OF REC MODE.

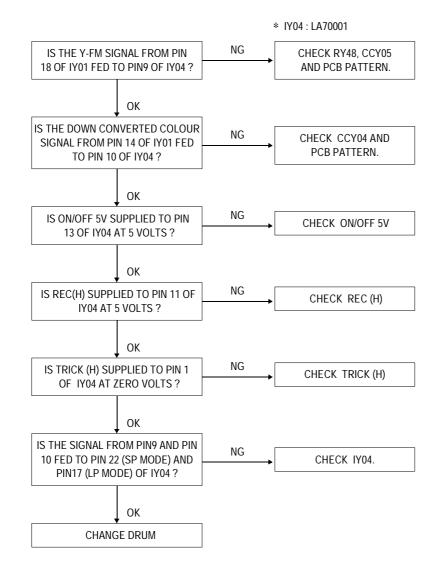


10-9. VCR VIDEO CIRCUIT

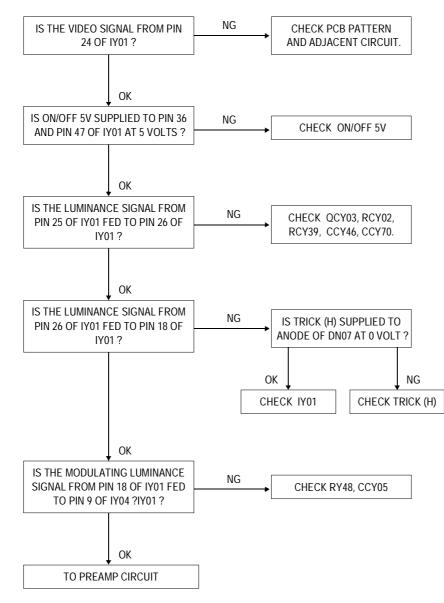
A. TROUBLE SHOOTING OF PREAMP IN THE PLAYBACK MODE.



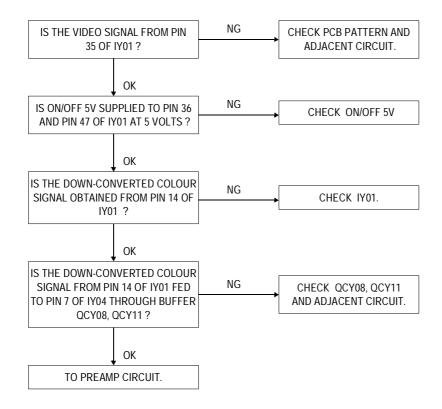
B. TROUBLE SHOOTING OF PREAMP IN THE RECORD MODE.



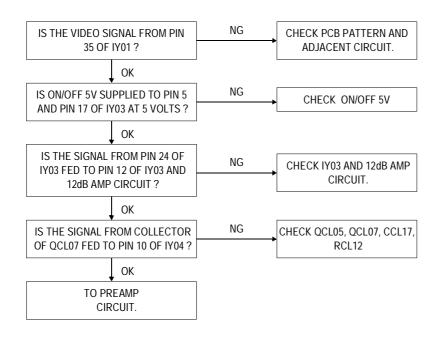
C. TROUBLE SHOOTING OF LUMINANCE SIGNAL IN THE RECORD MODE.



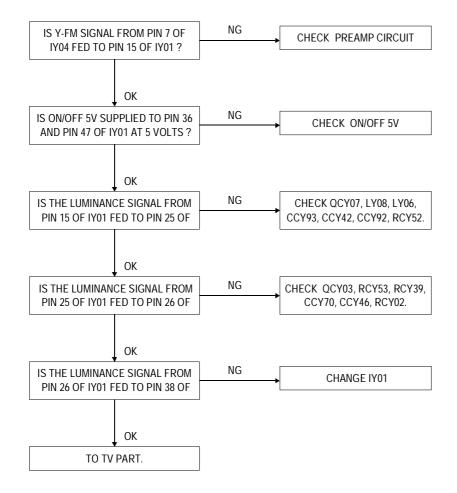
D.TROUBLE SHOOTING OF PAL COLOUR IN THE RECORD MODE.



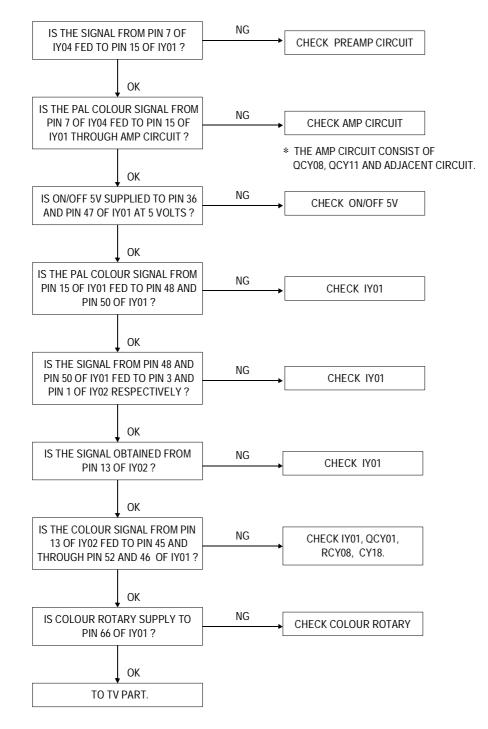
E.TROUBLE SHOOTING OF SECAM COLOUR IN THE RECORD MODE.



F. TROUBLE SHOOTING OF LUMINANCE IN THE PLAYBACK MODE.



G. TROUBLE SHOOTING OF PAL COLOUR IN THE PLAYBACK MODE.



H. TROUBLE SHOOTING OF SECAM COLOUR IN THE PLAYBACK MODE.

