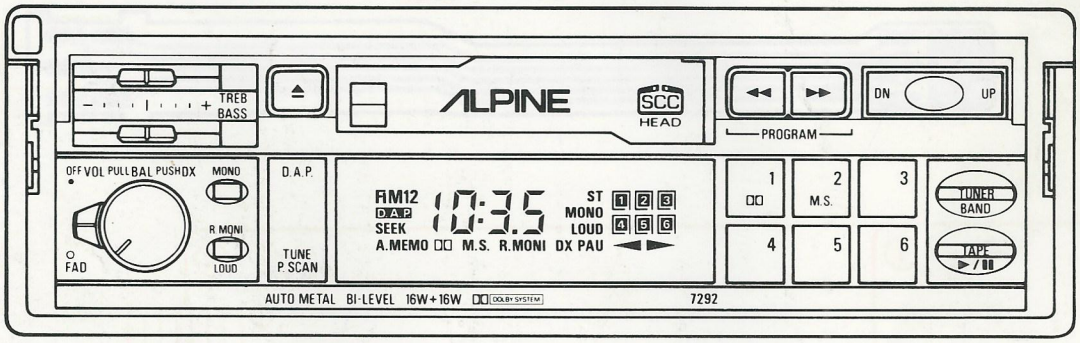
ALPINE SERVICE MANUAL

Digital FM/AM Cassette

D.K SOUND SERVIC
1 WHITLEY CRES
CRAIGIEBURN 3064
PH 03 3081660

REVISED

- Serial Numbers after No. R00713001A for 7292 model only.
  No. R00811001A for 7292E model only.
- This service manual contains only the differences from the Service Manual of Model 7292/7292E (68P30557W02).
- For the cassette deck mechanism parts (GT75L12N) of this model, refer to the GT Series · Service Manual (Part No. 68P92539F04).



7292/7292E

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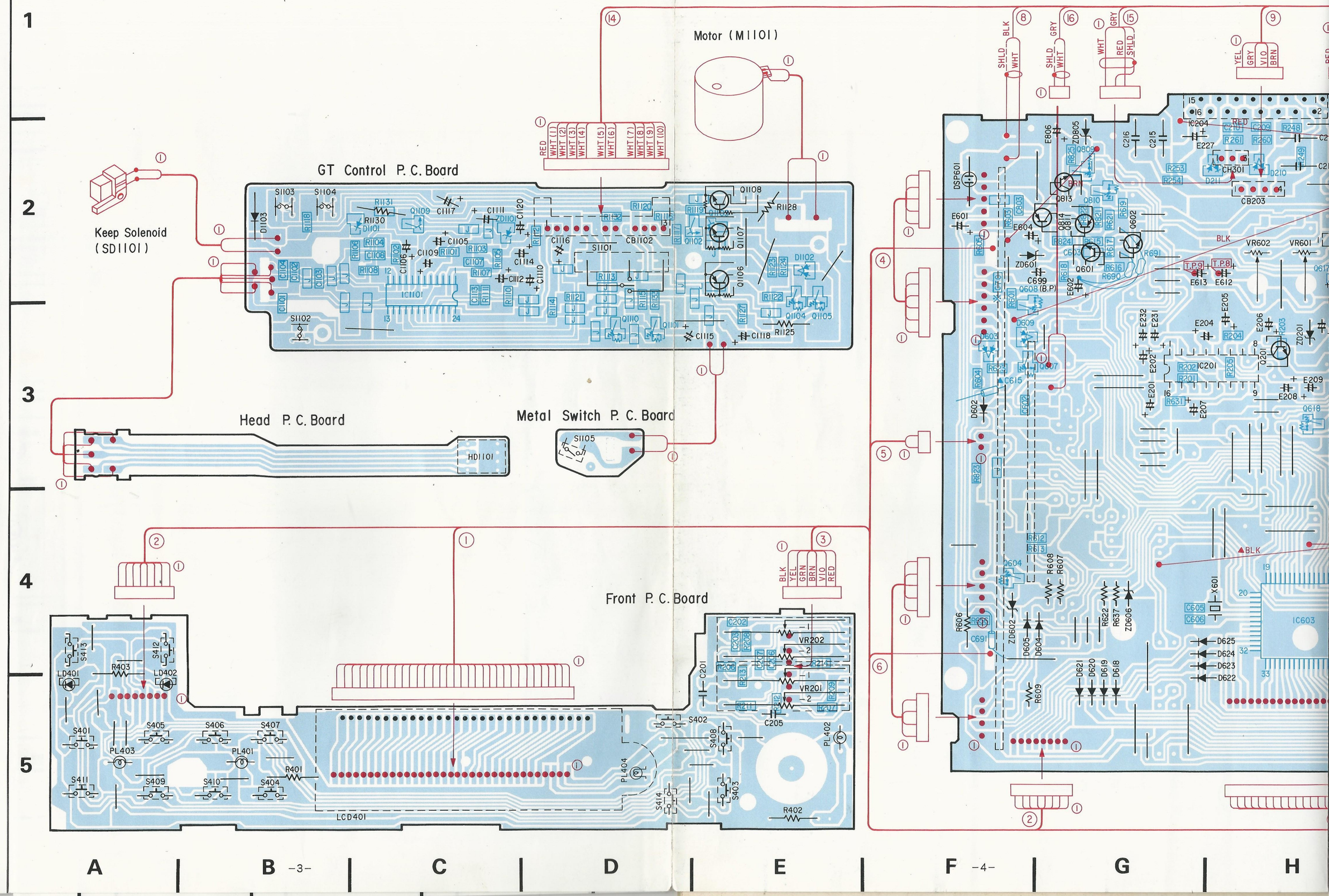
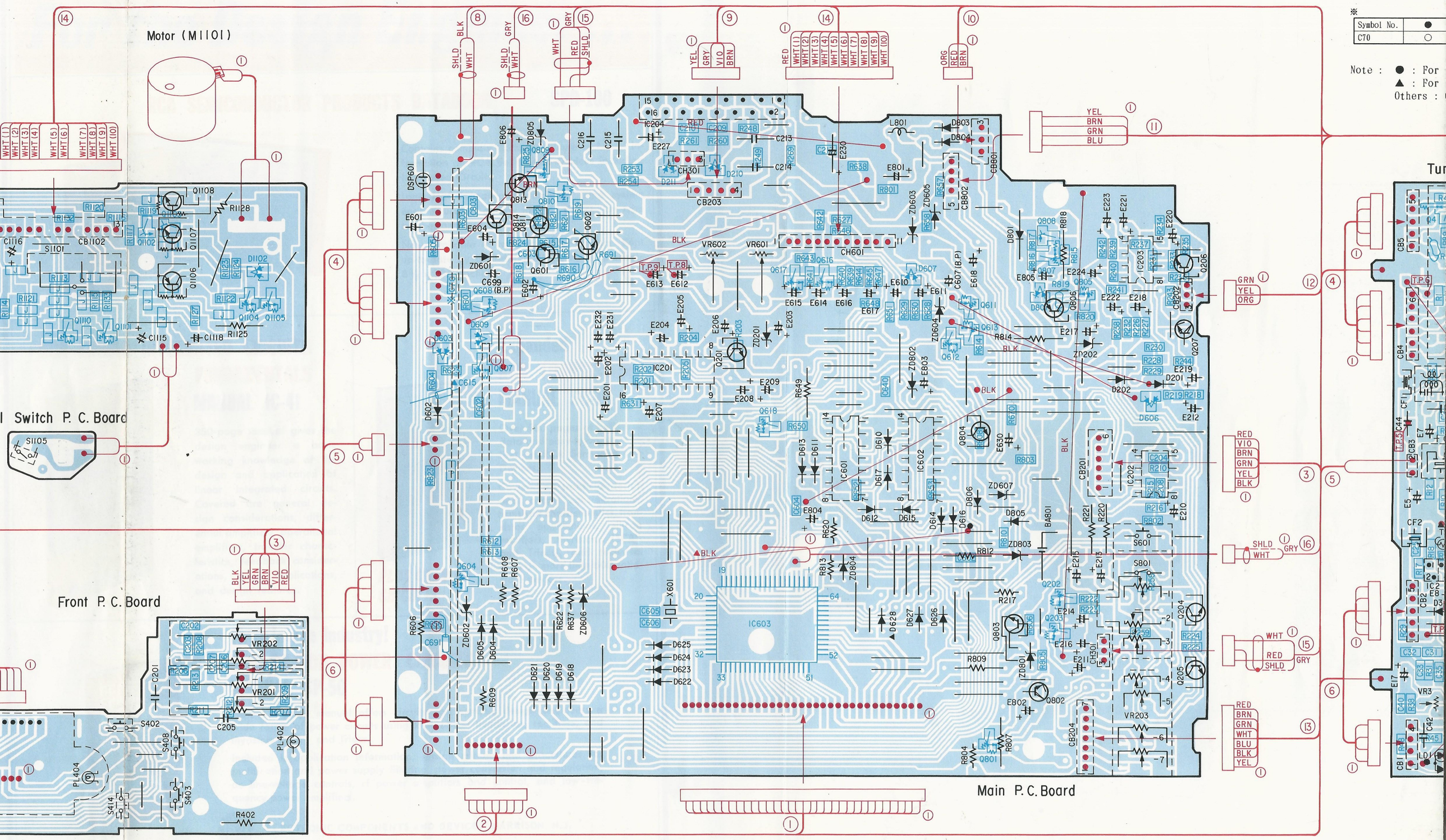
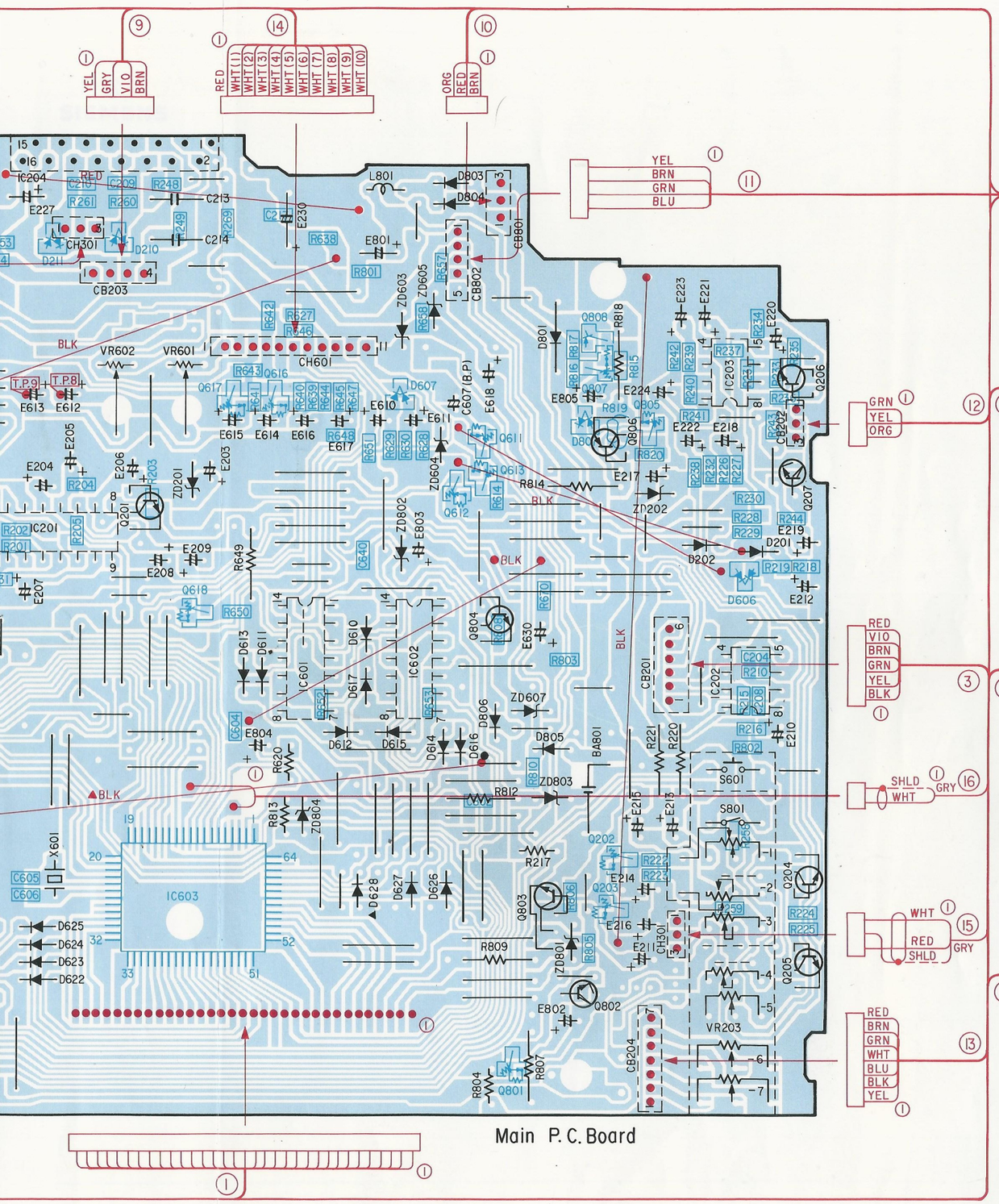
Spare Schematic Diagram Inserted.

Parts Layout on P. C. Boards and Wiring Diagram



ng Diagram


Motor (M1101)
l Switch P. C. Board
Front P. C. Board
Main P. C. Board
Symbol No. ● C70 ○
Note : ● : For
▲ : For
Others :
D
E
F
G
H
I
J
K
L



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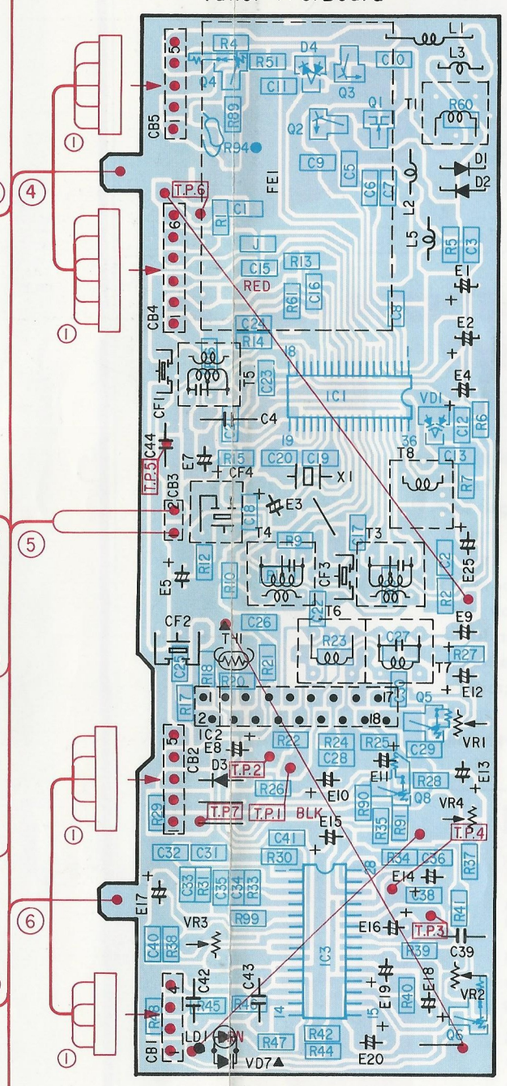
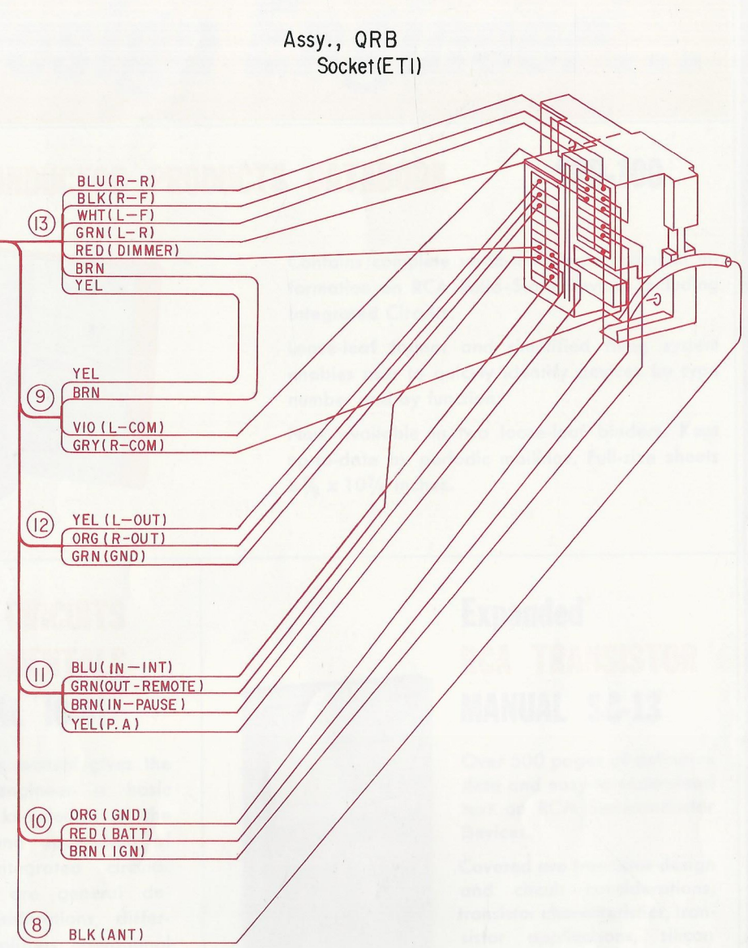
Symbol No.	●	▲
C70	○	Jumper

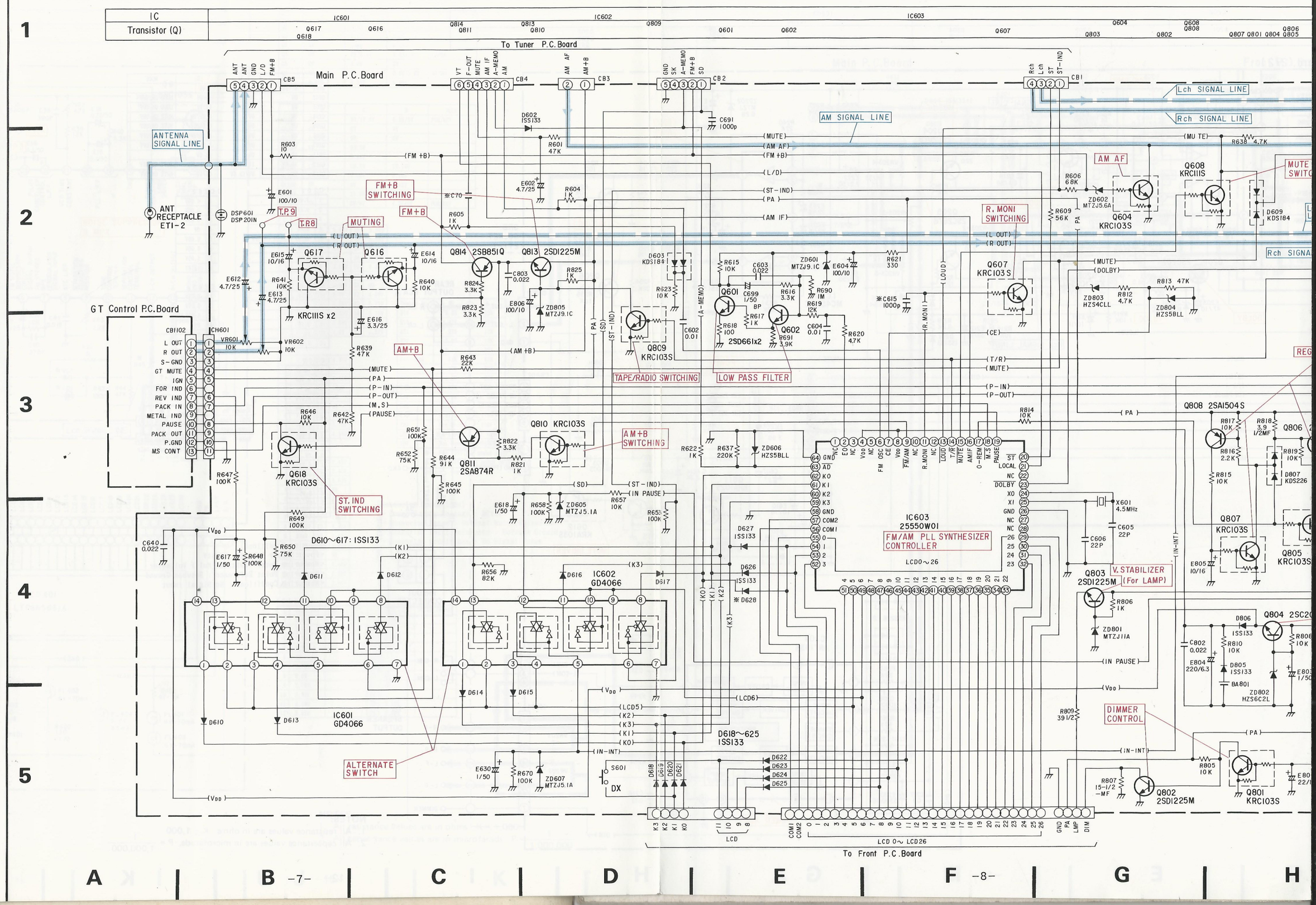
Note : ● : For 7292 model only
▲ : For 7292E model only
Others : Common

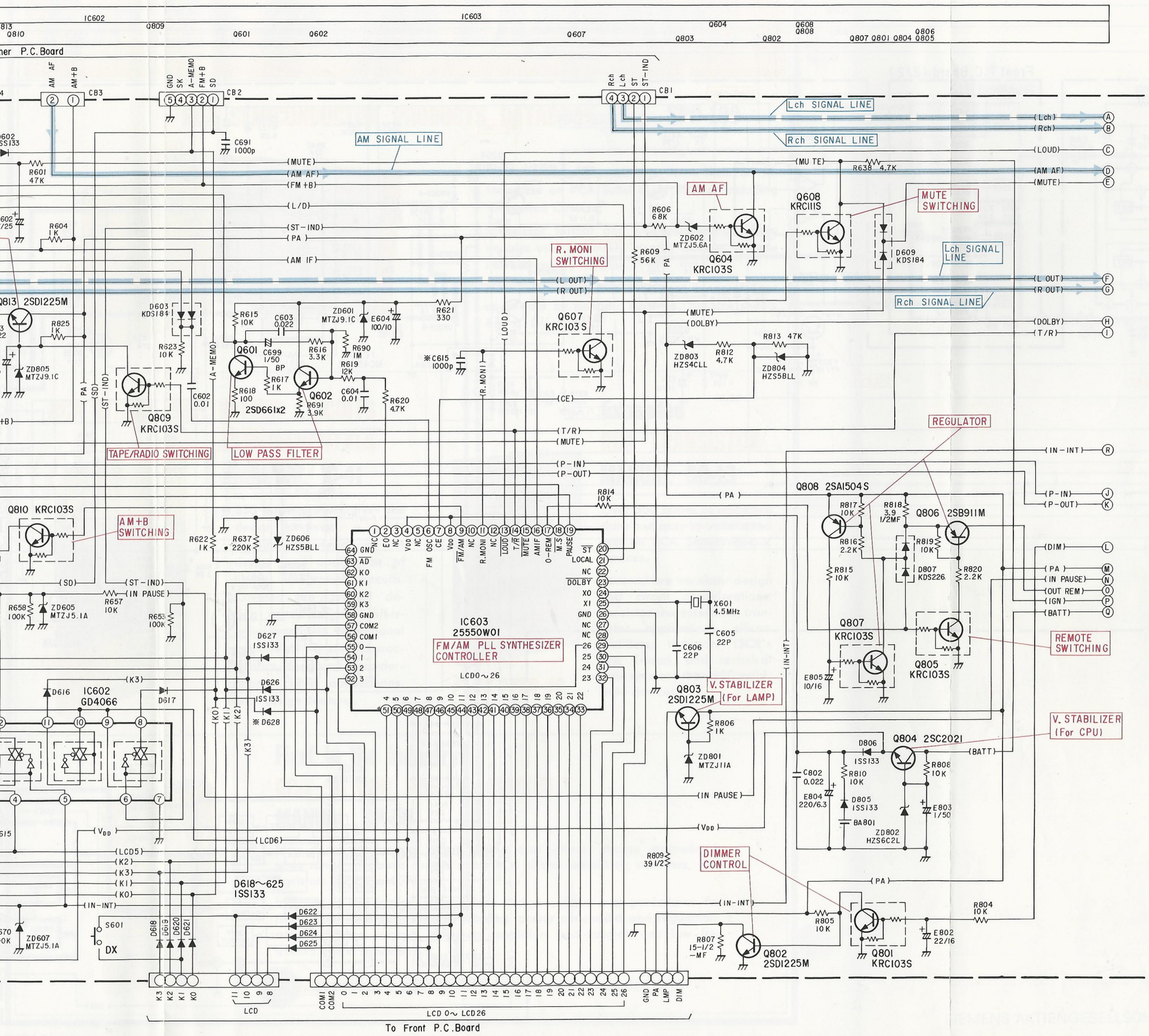




BLU	Blue
GRN	Green
BLK	Black
GRY	Gray
WHT	White
RED	Red
BRN	Brown
ORG	Orange
YEL	Yellow
PNK	Pink
VIO	Violet
GRN/WHT	Green/White
GRY/WHT	Gray/White
GRY/YEL	Gray/Yellow
GRN/YEL	Green/Yellow
SHLD	Shield

Schematic Diagram (1/3)





	E	C	B	MODE
Q601	0V	3.74V	0.58V	
Q602	0.58V	9.15V	0.96V	
Q604	0V	0V	0V/3.7V	AM/FM
Q607	0V	0V	4.7V/0V	R.MONI ON/OFF
Q608	0V	8.9V/0V	0V/4.8V	MUTE ON/OFF
Q616	0V/0V	0V	1.83V/0V	GT MUTE ON/OFF
Q617	0V/0V	0V	1.83V/0V	GT MUTE ON/OFF
Q618	0V/0V	9.8V/4.8V	0V/4.8V	PAUSE ON/OFF
Q801	0V	0V/0V	9.8V/0.7V	DIMMER ON/OFF
Q802	0V	2.4V/0V	0V/0.7V	DIMMER ON/OFF
Q803	9.86V	14V	10.46V	
Q804	5.54V	13.62V	6.2V	
Q805	0V	0.1V	3.42V	
Q806	14V	14V	13.2V	
Q807	0V	0V	9.5V	
Q808	14V	14V	13.2V	
Q809	0V	8.9V	4.9V/0V	T/R
Q810	0V	8.5V/0V	0V/4.8V	FM/MW
Q811	8.5V/8.5V	1.8V/8.49V	8.5V/7.81V	FM/MW
Q813	8.56V	14V	9.13V	
Q814	8.56V/8.56V	8.47V/0V	7.89V/8.49V	FM/AM

IC601

1	PS
2	PS
3	PS
4	0V
5	0V
6	5.2V
7	0V
8	PS
9	PS
10	PS
11	PS
12	5.6V
13	5.5V
14	5.5V

IC602

1	PS
2	PS
3	PS
4	PS
5	5V
6	5V
7	0V
8	PS
9	PS
10	PS
11	PS
12	5.6V
13	5V
14	5.6V

IC603

1	NC		17	5.77V		33	PS		49	PS	
2	1V		18	4.78V		34	PS		50	PS	
3	NC		19	4.78V		35	PS		51	PS	
4	4.8V		20	4.8V/0V	MO/ST	36	PS		52	PS	
5	NC		21	4.7V/0V	LO/DX	37	PS		53	PS	
6	2V		22	4.8V/0V	AME ON/OFF	38	PS		54	PS	
7	5.1V		23	0V/4.9V	DOLBY ON/OFF	39	PS		55	PS	
8	4.8V		24	2.64V		40	PS		56	PS	
9	0V/4.75V	FM/AM	25	2.56V		41	PS		57	PS	
10	NC		26	0V		42	PS		58	0V	
11	4.7V/0V	R.MONI ON/OFF	27	NC		43	PS		59	PS	
12	NC		28	PS		44	PS		60	PS	
13	0V/4.76V	LOUD ON/OFF	29	PS		45	PS		61	PS	
14	0V		30	PS		46	PS		62	PS	
15	4.75V		31	PS		47	PS		63	3.5V	
16	5.6V		32	PS		48	PS		64	0V	

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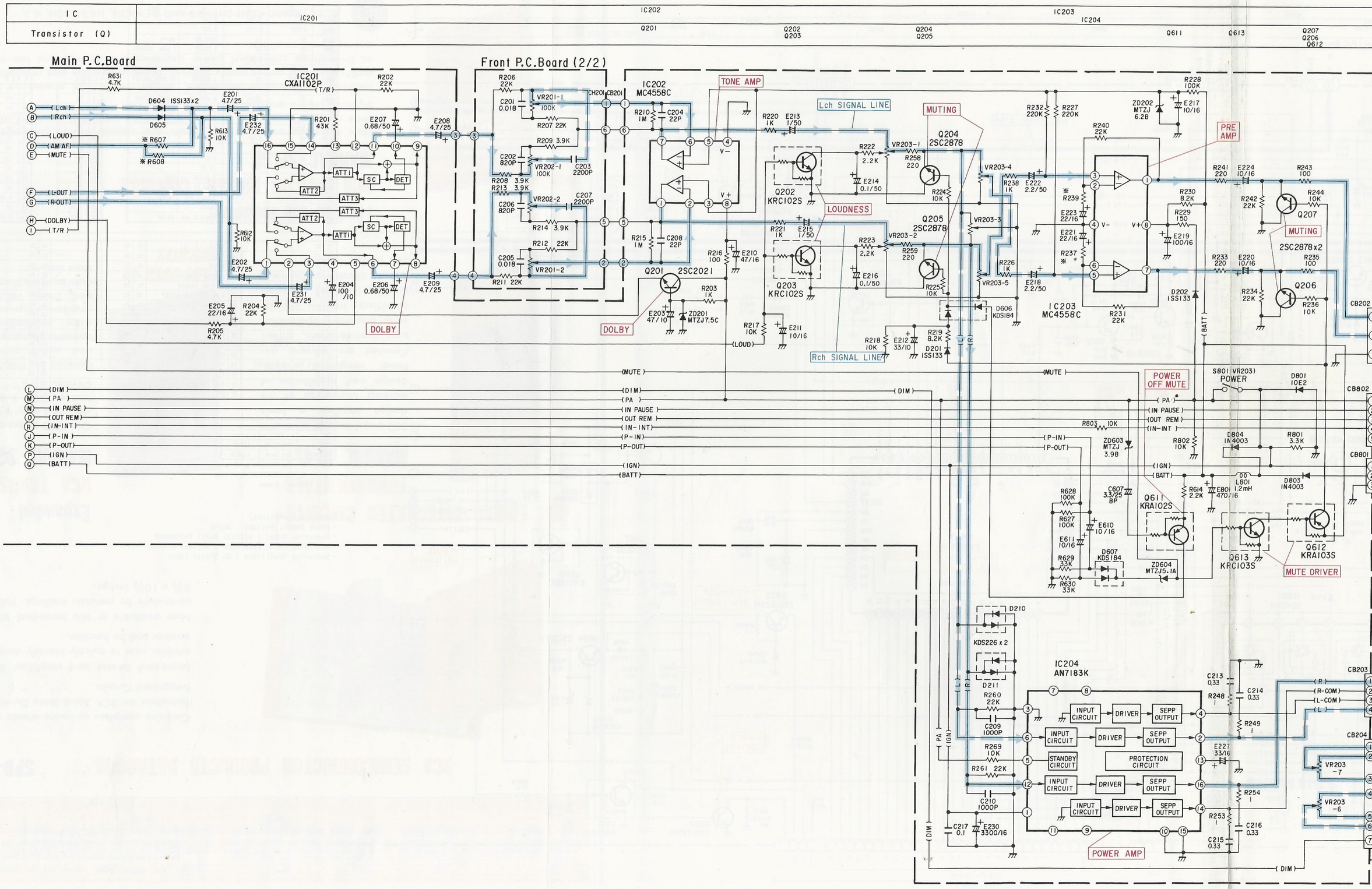
Symbol No.	●	▲
C70	100P	Jumper
C615	Not Used	1000P
D628	Not Used	1SS133

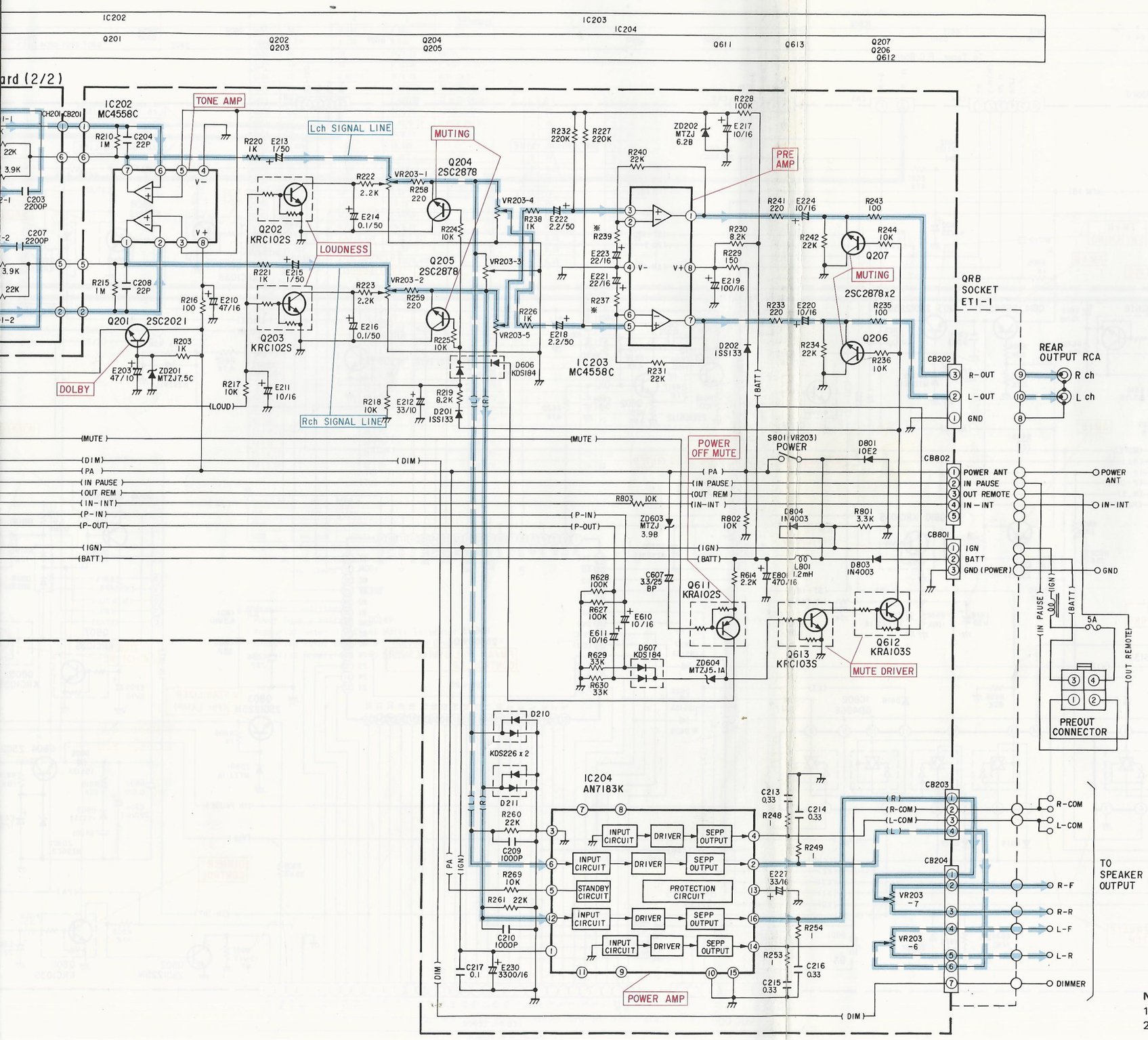
Note : ● : For 7292(AO) model only
▲ : For 7292E(EO) model only
Others : Common

[Measuring Conditions]
- Power Supply Voltage : DC14V
- Measuring Meter : Digital Multi Voltmeter
- Measuring Point Reference : Between Ground
- Measuring Conditions : No Signal Input

NOTES:
1. All resistance values are in ohms. K = 1,000
2. All capacitance values are in microfarads. $P = \frac{1}{1,000,000}$

Schematic Diagram (2/3)





	E	C	B	MODE
Q201	6.78V	14V	7.4V	
Q202	0V	10.2V	2V/0V	LOUD ON/OFF
Q203	0V	10.2V	0V/2V	LOUD ON/OFF
Q204	0V	0V	0.6V/0V	MUTE ON/OFF
Q205	0V	0V	0.6V/0V	MUTE ON/OFF
Q206	0V	0V	0.6V/0V	MUTE ON/OFF
Q207	0V	0V	0.6V/0V	MUTE ON/OFF
Q611	13.6V	0V	13.6V	
Q612	13.6V	13.5V/0V	0V/13.6V	MUTE ON/OFF
Q613	0V	0V/13.6V	8V/0V	MUTE ON/OFF

IC201

1	3.4V	
2	6.8V	
3	3.4V	
4	3.4V	
5	0V/4V	DOLBY ON/OFF
6	3.5V	
7	0.4V	
8	3.5V	
9	3.5V	
10	0.4V	
11	3.5V	
12	4V	
13	1.2V	
14	3.4V	
15	0V	
16	3.4V	

IC202

1	6.05V
2	6.05V
3	6.05V
4	0V
5	6.05V
6	6.05V
7	6.05V
8	13.8V

IC203

1	6.07V
2	6.07V
3	6.07V
4	0V
5	6.07V
6	6.07V
7	6.07V
8	12.8V

IC204

1	14.1V
2	6.98V
3	0V
4	6.97V
5	7.78V
6	0V
7	6.3V
8	6.3V
9	6.3V
10	0V
11	6.2V
12	0V
13	14V
14	6.9V
15	0V
16	6.9V

※

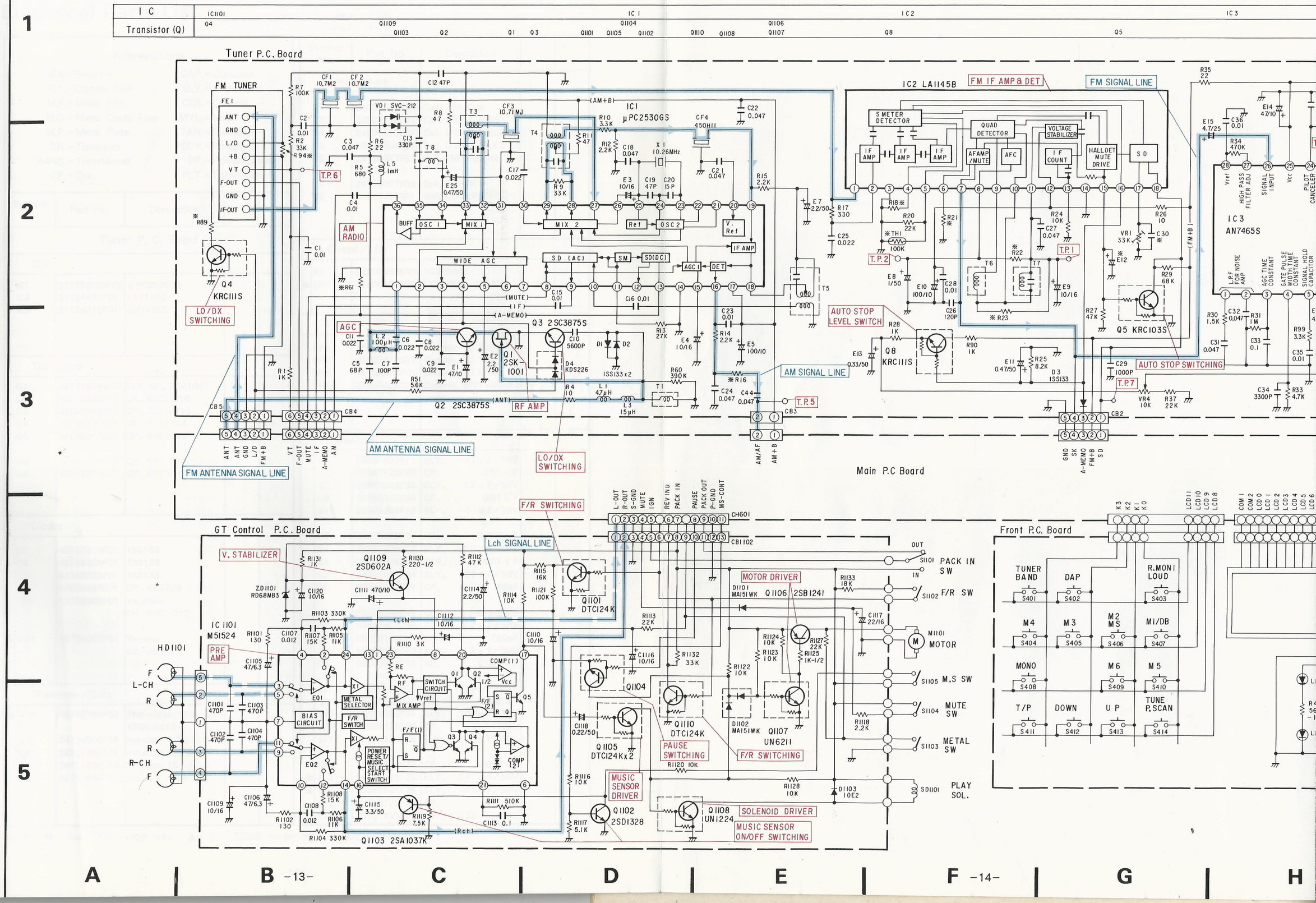
Symbol No.	●	▲
R237, R239	6.2K	5.1K
R607, R608	68K	43K

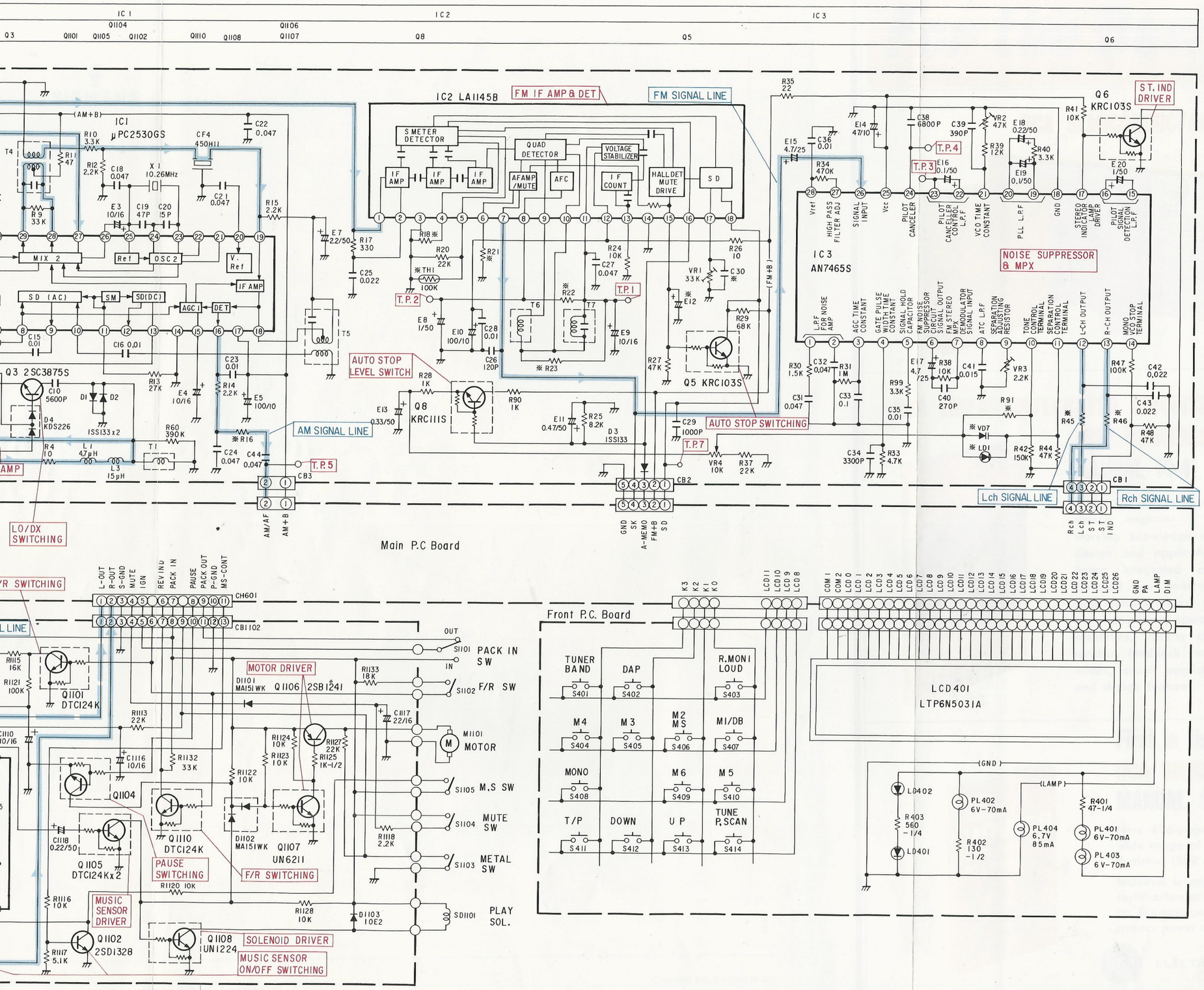
Note : ● : For 7292(AO) model only
▲ : For 7292E(EO) model only
Others : Common

[Measuring Conditions]
- Power Supply Voltage : DC14V
- Measuring Meter : Digital Multi Voltmeter
- Measuring Point Reference : Between Ground
- Measuring Conditions : No Signal Input

NOTES:
1. All resistance values are in ohms. K = 1,000
2. All capacitance values are in microfarads. $P = \frac{1}{1,000,000}$

Schematic Diagram (3/3)





	E	C	B	MODE
Q1	0V	7.6V	0V	
Q2	1.73V	6.86V	2.4V	
Q3	0V	13mV	0.55V	
Q4	0V	0V/6.5V	4.65V/0V	LO/DX
Q5	0V	4.6V	0V	
Q6	0V/0V	5V/0V	0.6V/5.6V	ST/MO
Q8	4.43V	8.31V	5.03V	

	E	C	B	MODE
Q1101	0V	0V/12.4V	6.3V/0V	FOR/REV
Q1102	0V	0V	0V	
Q1103	0.49V	0V	0V	
Q1104	0V	13.9V		
Q1105	0V	3.46V		
Q1106	13.9V	13.5V	13.16V	
Q1107	0V	0.06V	7.14V	
Q1108	0V	0V	3.46V	
Q1109	6.4V	11.96V	7V	
Q1110	0V	0V/6V	4.3V/0V	FOR/REV

IC1

1	3.2V	13	5.06V	25	5.86V
2	3.2V	14	0V	26	5.96V
3	2.4V	15	3V	27	3.36V
4	1.26V	16	3V	28	3.36V
5	1.26V	17	8.43V	29	8.4V
6	1.87V	18	3.59V	30	3.36V
7	1.88V	19	3.59V	31	0V
8	1.88V	20	3.7V	32	8.06V
9	0V	21	4.59V	33	5.73V
10	5.78V	22	4.85V	34	5.73V
11	5.16V	23	4.89V	35	5.74V
12	0V	24	4.3V	36	3.23V

IC2

1	2.8V	10	4.97V
2	2.81V	11	4.97V
3	0V	12	8.11V
4	4V	13	69mV
5	3.3V	14	0V
6	2V	15	0V
7	4.98V	16	3.9V
8	4.96V	17	3.72V
9	4.97V	18	4.59V

IC3

1	2.35V	15	2.45V
2	1.87V	16	2.45V
3	1.26V	17	5.63V
4	0V	18	0V
5	2.47V	19	2.45V
6	1.25V	20	2.45V
7	1.17V	21	1.38V
8	1.85V	22	2.43V
9	23mV	23	2.43V
10	2.3V	24	2.46V
11	2V	25	8V
12	2.65V	26	2.45V
13	2.19V	27	2.38V
14	2.17V	28	2.46V

IC1101

1	0V/5.97V	FOR/REV	13	0V/6.22V	NORMAL/METAL
2	2.85V		14	2.96V	
3	2.76V		15		
4	2.76V		16	0.49V	
5	2.76V		17	0V	
6	0V		18		
7	2.76V		19		
8	6.4V		20	0V	
9	2.76V		21	0V	
10	2.76V		22		
11	2.76V		23	2.16V	
12	2.83V		24	2.96V	

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Symbol No.	●	▲
R16	6.8K	12K
R18	47K	30K
R21	22K	12K
R22	5.6K	12K
R23	9.1K	33K
R45, R46	82K	62K
R61	27K	39K
R89	8.2K	22K
R91	82K	22K
R94	75K	Not Used
C30	3300P	0.022
E12	0.47/50	0.1/50
TH1	Not Used	100K
LD1	DLR-1303D	Not Used
VD7	Not Used	KB-265C4

Note : ● : For 7292(AO) model only
▲ : For 7292E(EO) model only
Others : Common

[Measuring Conditions]
- Power Supply Voltage : DC14V
- Measuring Meter : Digital Multi Voltmeter
- Measuring Point Reference : Between Ground
- Measuring Conditions : No Signal Input

NOTES:

1. All resistance values are in ohms. K = 1,000
2. All capacitance values are in microfarads. $P = \frac{1}{1,000,000}$

Electrical Parts List

Note : Refer to the service manual of 7292/7292E (68P30557W02) for the description not mentioned in this manual.
Resistor : Carbon resistors under 1/4 watts are not mentioned in the parts list, please confirm them by schematic diagram.
Capacitor : μF=microfarads, pF=picofarads

Abbreviations

RES.=Resistor	CAP.=Capacitor
C.F.=Carbon Film	ELY.=Electrolytic
M.F.=Metal Film	CER.=Ceramic
M.O.=Metal Oxide Film	MYL.=Mylar
M.P.=Metal Plate	TAN.=Tantalum
TR.=Transistor	POLY.=Polystyrol
TRANS.=Transformer	PP.=Polypropylene
CP.=Chip	PLT.=Polyethylene

Symbol No.	Part No.	Description
Tuner P. C. Board		
IC's		
IC1	51T25585W02	μPC2530GS
IC2	51T94495F01	LA1145B
IC3	51T94316F01	AN7465S
Transistors		
Q1	48T15894W02	FET, CP., 2SK1001
Q2	48E08368S01	CP., 2SC3875S
Q3	48E08368S01	CP., 2SC3875S
Q4	48E08370S01	CP., KRC111S
Q5	48E08369S01	CP., KRC103S
Q6	48E08369S01	CP., KRC103S
Q8	48E08370S01	CP., KRC111S
Diodes		
D1	48T68828F01	1SS133
D2	48T68828F01	1SS133
D3	48T68828F01	1SS133
D4	48E08367S01	CP., KDS226
VD1	48T83306F01	Varactor, CP., SVC-212
▲VD7	48T51087F01	Varactor, KB-265C4
Thermister/Coils		
▲TH1	48T82780F02	Thermister, 100k ohm YTD5-410
L1	24T50508F18	Inductor 4.7 μH
L2	24T51656F34	Inductor 100 μH
L3	24T51656F24	Inductor 15 μH
L5	24T51656F46	Inductor 1mH

Symbol No.	Part No.	Description
Transformers		
T1	24E08411S01	Coil, AM Trap
T3	24E08409S01	Coil, IFT-1 (ORG)
T4	24E08410S01	Coil, IFT-2 (YEL)
T5	24T94496F04	Coil, IFT-3 (BLK)
T6	24T58377F01	Coil, FM Inductor
T7	24T58377F02	Coil, FM 7K
T8	24E08412S01	Coil, OSC (RED)
Crystal/LED		
X1	91T00056K01	10.26MHz
●LD1	48E05952S01	LED, DLR-1303D
Filters		
CF1	91E08419S01	Ceramic, 10.7M2
CF2	91E08419S01	Ceramic, 10.7M2
CF3	91T94396F01	Ceramic, 10.71MJ
CF4	91E08408S01	Ceramic, SFP. 450H11
Capacitors		
E1	23S61523F11	ELY., 47 μF/10V
C1	08S65128F69	CP., 0.01 μF
E2	23S61523F30	ELY., 2.2 μF/50V
C2	08S65128F69	CP., 0.01 μF
E3	23S61523F12	ELY., 10 μF/16V
C3	08S65128F74	CP., 0.047 μF
E4	23S61523F12	ELY., 10 μF/16V
C4	08T44979P08	CER., 0.01 μF
E5	23S61523F34	ELY., 100 μF/10V
C5	08S65128F31	CP., 68pF
C6	08S65128F72	CP., 0.022 μF
E7	23S61523F30	ELY., 2.2 μF/50V
C7	08S65128F35	CP., 100pF
E8	23S61523F29	ELY., 1 μF/50V
C8	08S65128F72	CP., 0.022 μF
E9	23S61523F12	ELY., 10 μF/16V
C9	08S65128F72	CP., 0.022 μF
E10	23S61523F34	ELY., 100 μF/10V
C10	08S65128F66	CP., 5600pF
E11	23S61523F28	ELY., 0.47 μF/50V
C11	08S65128F72	CP., 0.022 μF
●E12	23S61523F28	ELY., 0.47 μF/50V
▲E12	23S61523F25	ELY., 0.1 μF/50V
C12	08S65128F27	CP., 47pF
E13	23S61523F27	ELY., 0.33 μF/50V

Notes : ● : For 7292 model only, ▲ : For 7292E model only, Others : Common.

Symbol No.	Part No.	Description
C13	08S65128F47	CP., 330pF
E14	23S61523F11	ELY., 47 μ F/10V
E15	23S61523F17	ELY., 4.7 μ F/25V
C15	08S65128F69	CP., 0.01 μ F
E16	23S61523F25	ELY., 0.1 μ F/50V
C16	08S60102F20	CP., 0.01 μ F
E17	23S61523F17	ELY., 4.7 μ F/25V
C17	08S65128F72	CP., 0.022 μ F
E18	23S61523F26	ELY., 0.22 μ F/50V
C18	08S60102F28	CP., 0.047 μ F
E19	23S61523F25	ELY., 0.1 μ F/50V
C19	08S65128F27	CP., 47pF
E20	23S61523F29	ELY., 1 μ F/50V
C20	08S82122F17	CP., 15pF
C21	08S65128F74	CP., 0.047 μ F
C22	08S65128F74	CP., 0.047 μ F
C23	08S65128F69	CP., 0.01 μ F
C24	08S65128F74	CP., 0.047 μ F
E25	23S61523F28	ELY., 0.47 μ F/50V
C25	08S65128F72	CP., 0.022 μ F
C26	08S65128F37	CP., 120pF
C27	08S65128F74	CP., 0.047 μ F
C28	08S65128F69	CP., 0.01 μ F
C29	08S65128F57	CP., 1000pF
● C30	08S65128F63	CP., 3300pF
▲ C30	08S65128F72	CP., 0.022 μ F
C31	08S65128F74	CP., 0.047 μ F
C32	08S65128F74	CP., 0.047 μ F
C33	08S65128F76	CP., 0.1 μ F
C34	08S65128F63	CP., 3300pF
C35	08S65128F69	CP., 0.01 μ F
C36	08S65128F69	CP., 0.01 μ F
C38	08S65128F67	CP., 6800pF
C39	08T44481F03	P. P. 390pF
C40	08S65128F45	CP., 270pF
C41	08S65128F71	CP., 0.015 μ F
C42	08T42629F71	MYL., 0.022 μ F
C43	08T42629F71	MYL., 0.022 μ F
C44	08T42629F75	MYL., 0.047 μ F

Resistors (All resistors are chip 1/10W±5% unless otherwise noted.)

Symbol No.	Part No.	Description
R1	06S64995F53	1k ohm
R2	06S64995F89	33k ohm
R4	06S64995F05	10 ohm
R5	06S64995F49	680 ohm
R6	06S64995F13	22 ohm
R7	06S64996F02	100k ohm
R8	06S64995F21	47 ohm
R9	06S64995F89	33k ohm
R10	06S64995F65	3.3k ohm
R11	06S64995F21	47 ohm
R12	06S64995F61	2.2k ohm
R13	06S64995F87	27k ohm
R14	06S64995F61	2.2k ohm
R15	06S64995F61	2.2k ohm
● R16	06S53330F73	6.8k ohm 1/8W
▲ R16	06S53330F79	12k ohm 1/8W
R17	06S64995F41	330 ohm
● R18	06S64995F93	47k ohm
▲ R18	06S64995F88	30k ohm
R20	06S64995F85	22k ohm
● R21	06S64995F85	22k ohm
▲ R21	06S64995F79	12k ohm
● R22	06S64995F71	5.6k ohm
▲ R22	06S64995F79	12k ohm
● R23	06S64995F76	9.1k ohm
▲ R23	06S64995F89	33k ohm
R24	06S64995F77	10k ohm
R25	06S64995F75	8.2k ohm
R26	06S64995F05	10 ohm
R27	06S64995F93	47k ohm
R28	06S64995F53	1k ohm
R29	06S64995F97	68k ohm
R30	06S64995F57	1.5k ohm
R31	06S64996F26	1M ohm
R33	06S64995F69	4.7k ohm
R34	06S64996F18	470k ohm
R35	06S64995F13	22 ohm
R37	06S64995F85	22k ohm
R38	06S64995F77	10k ohm
R39	06S64995F79	12k ohm
R40	06S64995F65	3.3k ohm
R41	06S64995F77	10k ohm
R42	06S64996F06	150k ohm
R44	06S64995F93	47k ohm
● R45	06S64995F99	82k ohm
▲ R45	06S64995F96	62k ohm
● R46	06S64995F99	82k ohm
▲ R46	06S64995F96	62k ohm
R47	06S64996F02	100k ohm
R48	06S64995F93	47k ohm
R51	06S64995F71	5.6k ohm
R60	06S64996F16	390k ohm
● R61	06S53330F87	27k ohm 1/8W
▲ R61	06S53330F91	39k ohm 1/8W
● R89	06S64995F75	8.2k ohm
▲ R89	06S64995F85	22k ohm
R90	06S64995F53	1k ohm
● R91	06S64995F99	82k ohm
▲ R91	06S64995F85	22k ohm
● R94	06S64995F98	75k ohm

Notes : ● : For 7292 model only, ▲ : For 7292E model only, Others : Common.

Symbol No.	Part No.	Description		
R99	06S64995F65	3.3k ohm		
VR1	18T74439F16	Variable, 33k ohm		
VR2	18T45040F11	Variable, 4.7k ohm		
VR3	18T74439F09	Variable, 2.2k ohm		
VR4	18T74439F13	Variable, 10k ohm		
Main P. C. Board				
IC's				
IC201	51T92407F01	CXA1102P		
IC202	51E05042S01	MC4558C		
IC203	51E05042S01	MC4558C		
IC204	51T25765W02	AN7183K		
IC601	51E08376S01	GD4066		
IC602	51E08376S01	GD4066		
IC603	51T25550W01	25550W01		
Transistors				
Q201	48T63082F02	2SC2021		
Q202	48E08377S01	CP., KRC102S		
Q203	48E08377S01	CP., KRC102S		
Q204	48T51878F03	2SC2878		
Q205	48T51878F03	2SC2878		
Q206	48T51878F03	2SC2878		
Q207	48T51878F03	2SC2878		
Q601	48T42182U01	2SD661		
Q602	48T42182U01	2SD661		
Q604	48E08369S01	CP., KRC103S		
Q607	48E08369S01	CP., KRC103S		
Q608	48E08370S01	CP., KRC111S		
Q611	48E08371S01	CP., KRA102S		
Q612	48E08372S01	CP., KRA103S		
Q613	48E08369S01	CP., KRC103S		
Q616	48E08370S01	CP., KRC111S		
Q617	48E08370S01	CP., KRC111S		
Q618	48E08369S01	CP., KRC103S		
Q801	48E08369S01	CP., KRC103S		
Q802	48T63085F04	2SD1225M		
Q803	48T63085F04	2SD1225M		
Q804	48T63082F02	2SC2021		
Q805	48E08369S01	CP., KRC103S		
Q806	48T70213F01	2SB911M		
Q807	48E08369S01	CP., KRC103S		
Q808	48E08375S01	CP., 2SA1504S		
Q809	48E08369S01	CP., KRC103S		
Q810	48E08369S01	CP., KRC103S		
Q811	48T74390F01	2SA874R		
Q813	48T63085F04	2SD1225M		
Q814	48T25993W01	2SB851Q		

Symbol No.	Part No.	Description		
Diodes				
D201	48T68828F01	1SS133		
D202	48T68828F01	1SS133		
D210	48E08417S01	CP., KDS226		
D211	48E08417S01	CP., KDS226		
D602	48T68828F01	1SS133		
D603	48E08374S01	CP., KDS184		
D604	48T68828F01	1SS133		
D605	48T68828F01	1SS133		
D606	48E08374S01	CP., KDS184		
D607	48E08374S01	CP., KDS184		
D609	48E08374S01	CP., KDS184		
D610	48T68828F01	1SS133		
D611	48T68828F01	1SS133		
D612	48T68828F01	1SS133		
D613	48T68828F01	1SS133		
D614	48T68828F01	1SS133		
D615	48T68828F01	1SS133		
D616	48T68828F01	1SS133		
D617	48T68828F01	1SS133		
D618	48T68828F01	1SS133		
D619	48T68828F01	1SS133		
D620	48T68828F01	1SS133		
D621	48T68828F01	1SS133		
D622	48T68828F01	1SS133		
D623	48T68828F01	1SS133		
D624	48T68828F01	1SS133		
D625	48T68828F01	1SS133		
D626	48T68828F01	1SS133		
D627	48T68828F01	1SS133		
▲ D628	48T68828F01	1SS133		
D801	48C40235G02	10E2		
D803	48S40477U01	1N4003		
D804	48S40477U01	1N4003		
D805	48T68828F01	1SS133		
D806	48T68828F01	1SS133		
D807	48E08417S01	CP., KDS226		
ZD201	48T26033W37	Zener, MTZJ7.5C		
ZD202	48T26033W30	Zener, MTZJ6.2B		
ZD601	48T26033W43	Zener, MTZJ9.1C		
ZD602	48T26033W26	Zener, MTZJ5.6A		
ZD603	48T26033W16	Zener, MTZJ3.9B		
ZD604	48T26033W23	Zener, MTZJ5.1A		
ZD605	48T26033W23	Zener, MTZJ5.1A		
ZD606	48T91071F11	Zener, HZS5BLL		
ZD607	48T26033W23	Zener, MTZJ5.1A		
ZD801	48T26033W47	Zener, MTZJ11A		
ZD802	48T52741F08	Zener, HZS6C2L		
ZD803	48T91071F09	Zener, HZS4CLL		
ZD804	48T91071F11	Zener, HZS5BLL		
ZD805	48T26033W43	Zener, MTZJ9.1C		

Notes : ▲ : For 7292E model only, Others : Common.

Symbol No.	Part No.	Description
Surge Protector		
DSP601	48T70875F02	Surge Protector, DSP-201M
Coil/Crystal		
L801	24S41448F74	Coil, Inductor 1.2mH
X601	91E08381S01	Crystal, 4.5MHz
Capacitors		
● C70	08S65128F35	CP., 100pF
E201	23S43247F08	ELY., 4.7 μ F/25V
E202	23S43247F08	ELY., 4.7 μ F/25V
E203	23S43247F13	ELY., 47 μ F/10V
E204	23T68328F03	ELY., 100 μ F/10V
C204	08S65128F19	CP., 22pF
E205	23S43247F10	ELY., 22 μ F/16V
E206	23S43247F24	ELY., 0.68 μ F/50V
E207	23S43247F24	ELY., 0.68 μ F/50V
E208	23S43247F08	ELY., 4.7 μ F/25V
C208	08S65128F19	CP., 22pF
E209	23S43247F08	ELY., 4.7 μ F/25V
C209	08S65128F57	CP., 1000pF
E210	23S61523F15	ELY., 47 μ F/16V
C210	08S65128F57	CP., 1000pF
E211	23S61523F12	ELY., 10 μ F/16V
E212	23S61523F10	ELY., 33 μ F/10V
E213	23S61523F29	ELY., 1 μ F/50V
C213	08E06413S06	MYL., 0.33 μ F
E214	23S61523F25	ELY., 0.1 μ F/50V
C214	08E06413S06	MYL., 0.33 μ F
E215	23S61523F29	ELY., 1 μ F/50V
C215	08E06413S06	MYL., 0.33 μ F
E216	23S61523F25	ELY., 0.1 μ F/50V
C216	08E06413S06	MYL., 0.33 μ F
E217	23S43247F09	ELY., 10 μ F/16V
C217	08S65128F76	CP., 0.1 μ F
E218	23S43247F06	ELY., 2.2 μ F/50V
E219	23S82482F02	ELY., 100 μ F/16V
E220	23S43247F09	ELY., 10 μ F/16V
E221	23S43247F10	ELY., 22 μ F/16V
E222	23S43247F06	ELY., 2.2 μ F/50V
E223	23S43247F10	ELY., 22 μ F/16V
E224	23S43247F09	ELY., 10 μ F/16V
E227	23T16233W22	ELY., 33 μ F/16V
E230	23T16360W41	ELY., 3300 μ F/16V
E231	23S43247F08	ELY., 4.7 μ F/25V
E232	23S43247F08	ELY., 4.7 μ F/25V
E601	23T68328F03	ELY., 100 μ F/10V
E602	23S43247F08	ELY., 4.7 μ F/25V
C602	08S65128F69	CP., 0.01 μ F
C603	08S65128F72	CP., 0.022 μ F
E604	23S61523F34	ELY., 100 μ F/10V
C604	08S60102F20	CP., 0.01 μ F
C605	08S65128F19	CP., 22pF
C606	08S65128F19	CP., 22pF
C607	23T41366F42	ELY., (BP) 3.3 μ F/25V
E610	23S43247F09	ELY., 10 μ F/16V
E611	23S43247F09	ELY., 10 μ F/16V
E612	23S43247F08	ELY., 4.7 μ F/25V
E613	23S43247F08	ELY., 4.7 μ F/25V
E614	23S43247F09	ELY., 10 μ F/16V
▲ C615	21E06808F03	CP., 1000pF
E615	23S43247F09	ELY., 10 μ F/16V
E616	23S43247F07	ELY., 3.3 μ F/25V
E617	23S43247F05	ELY., 1 μ F/50V
E618	23S43247F05	ELY., 1 μ F/50V
E630	23S43247F05	ELY., 1 μ F/50V
C640	08S65128F72	CP., 0.022 μ F
C691	21E06808S03	CP., 1000pF
C699	23E08581S01	ELY., (BP) 1 μ F/50V
E801	23E08384S01	ELY., 470 μ F/16V
E802	23S43247F10	ELY., 22 μ F/16V
C802	08S65128F72	CP., 0.022 μ F
E803	23S43247F05	ELY., 1 μ F/50V
C803	08S65128F72	CP., 0.022 μ F
E804	23S43247F19	ELY., 220 μ F/6.3V
E805	23S43247F09	ELY., 10 μ F/16V
E806	23S61523F34	ELY., 100 μ F/10V
Resistors (All resistors are chip 1/10W±5% unless otherwise noted.)		
R201	06S64995F92	43k ohm
R202	06S64995F85	22k ohm
R203	06S53330F53	1k ohm 1/8W
R204	06S64995F85	22k ohm
R205	06S53330F69	4.7k ohm 1/8W
R210	06S64996F26	1M ohm
R215	06S64996F26	1M ohm
R216	06S53330F29	100 ohm 1/8W
R218	06S64995F77	10k ohm
R219	06S64995F75	8.2k ohm
R222	06S64995F61	2.2k ohm
R223	06S64995F61	2.2k ohm
R224	06S53330F77	10k ohm 1/8W
R225	06S53330F77	10k ohm 1/8W

Notes : ● : For 7292 model only, ▲ : For 7292E model only, Others : Common.

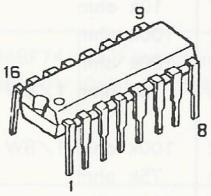
Symbol No.	Part No.	Description
R227	06S64996F10	220k ohm
R228	06S53331F02	100k ohm 1/8W
R229	06S64995F33	150 ohm
R230	06S53330F75	8.2k ohm 1/8W
R231	06S64995F85	22k ohm
R232	06S64996F10	220k ohm
R233	06S64995F37	220 ohm
R234	06S64995F85	22k ohm
R235	06S64995F29	100 ohm
R236	06S64995F77	10k ohm
● R237	06S64995F72	6.2k ohm
▲ R237	06S64995F70	5.1k ohm
R238	06S64995F53	1k ohm
● R239	06S64995F72	6.2k ohm
▲ R239	06S64995F70	5.1k ohm
R240	06S64995F85	22k ohm
R241	06S64995F37	220 ohm
R242	06S64995F85	22k ohm
R243	06S64995F29	100 ohm
R244	06S64995F77	10k ohm
R248	06T70072F90	1 ohm 1/4W
R249	06T70072F90	1 ohm 1/4W
R253	06T70072F90	1 ohm 1/4W
R254	06T70072F90	1 ohm 1/4W
R258	06S64995F37	220 ohm
R259	06S64995F37	220 ohm
R260	06S64995F85	22k ohm
R261	06S64995F85	22k ohm
R269	06S64995F77	10k ohm
R601	06S64995F93	47k ohm
R603	06S64995F05	10 ohm
R604	06S64995F53	1k ohm
R605	06S64995F53	1k ohm
R612	06S53330F77	10k ohm 1/8W
R613	06S53330F77	10k ohm 1/8W
R614	06S53330F61	2.2k ohm 1/8W
R615	06S64995F77	10k ohm
R616	06S64995F65	3.3k ohm
R617	06S53330F53	1K ohm 1/8W
R618	06S64995F29	100 ohm
R619	06S53330F79	12k ohm 1/8W
R621	06S53330F41	330 ohm 1/8W
R623	06S53330F77	10k ohm 1/8W
R627	06S53331F02	100k ohm 1/8W
R628	06S53331F02	100k ohm 1/8W
R629	06S53330F89	33k ohm 1/8W
R630	06S53330F89	33k ohm 1/8W
R631	06S53330F69	4.7k ohm 1/8W
R638	06S53330F69	4.7k ohm 1/8W
R639	06S64995F93	47k ohm

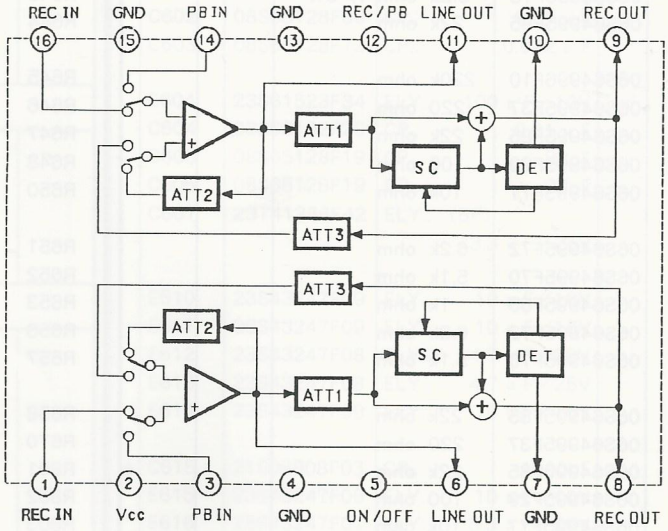
Symbol No.	Part No.	Description
R640	06S64995F77	10k ohm
R641	06S64995F77	10k ohm
R642	06S53330F93	47k ohm 1/8W
R643	06S53330F85	22k ohm 1/8W
R644	06S64996F01	91k ohm
R645	06S64996F02	100k ohm
R646	06S64995F77	10k ohm
R647	06S64996F02	100k ohm
R648	06S64996F02	100k ohm
R650	06S53330F98	75k ohm 1/8W
R651	06S53331F02	100k ohm 1/8W
R652	06S64995F98	75k ohm
R653	06S64996F02	100k ohm
R656	06S64995F99	82k ohm
R657	06S64995F77	10k ohm
R658	06S64996F02	100k ohm
R670	06S64996F02	100k ohm
R801	06S53330F65	3.3k ohm 1/8W
R802	06S53330F77	10k ohm 1/8W
R803	06S64995F77	10k ohm
R805	06S53330F77	10k ohm 1/8W
R806	06S53330F53	1k ohm 1/8W
R807	06T93535F21	M. F. 15 ohm 1/2W
R808	06S53330F77	10k ohm 1/8W
R809	06T51015F15	C. F. 39 ohm 1/2W
R810	06S64995F77	10k ohm
R815	06S64995F77	10k ohm
R816	06S64995F61	2.2k ohm
R817	06S53330F77	10k ohm 1/8W
R818	06T93535F07	M. F. 3.9 ohm 1/2W
R819	06S53330F77	10k ohm 1/8W
R820	06S64995F61	2.2k ohm
R821	06S53330F53	1k ohm 1/8W
R822	06S53330F65	3.3k ohm 1/8W
R823	06S64995F65	3.3k ohm
R824	06S53330F65	3.3k ohm 1/8W
R825	06S53330F53	1k ohm 1/8W
VR203		Volume, Control 20k ohm
S601	18T16194W04	(DX)
S801		(POWER)
VR601	18E06180S01	Volume, RV8FORB 10k ohm
VR602	18E06180S01	Volume, RV8FORB 10k ohm

Notes : ● : For 7292 model only, ▲ : For 7292E model only, Others : Common.

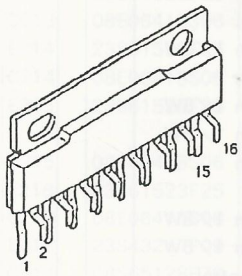
Semi - Conductor Lead Identifications

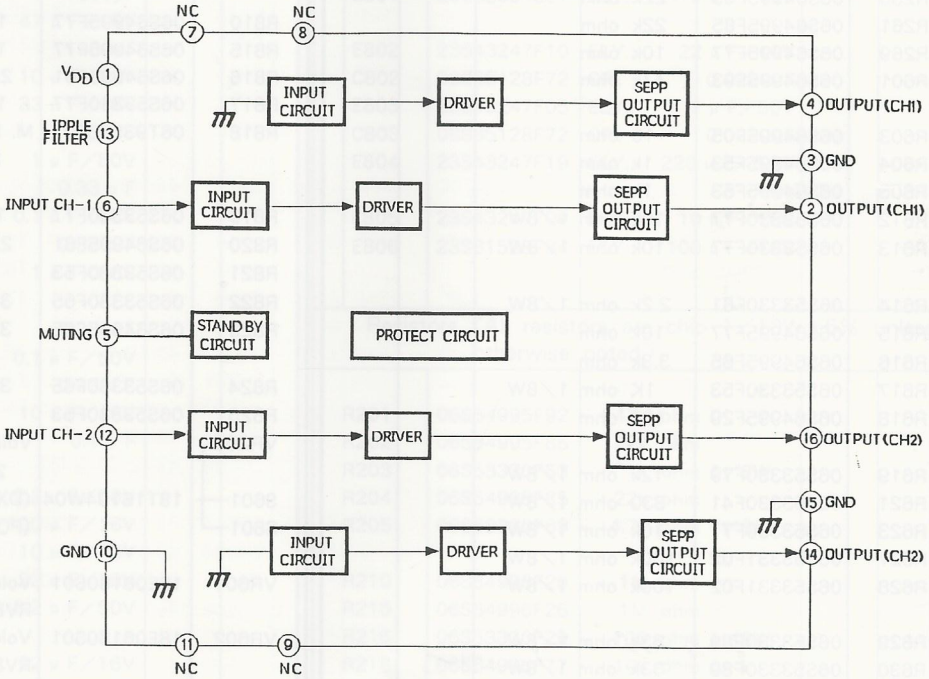
CXA1102P : IC201





AN7183K : IC204





INTERMITTANTLY CUTS OUT L/R CH. CHECK BASS/TREB POTS FOR CRACKED JOINTS ON PCB -

ALPINE ELECTRONICS INC.
Tokyo Office: 1-1-8 Nishi Gotanda,
Shinagawa-ku, Tokyo, Japan 141
Phone 03-3494-1101 Telex 8927-61

ALPINE ELECTRONICS OF AMERICA, INC.
19145 Gramercy Place
Torrance, California 90501
Phone 213-326-8000

ALPINE ELECTRONICS OF CANADA, INC.
605 Alden RD. Markam,
Ontario L3R 3L5 Canada
Phone 416-475-7280 Telex 06-986789

ALPINE ELECTRONICS GmbH
Brandenburger Str. 2-4,
4030 Ratingen F.R. Germany
Tel. 001-49-2102-4550 Telex 8589157
FAX. 001-49-2102-445321

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