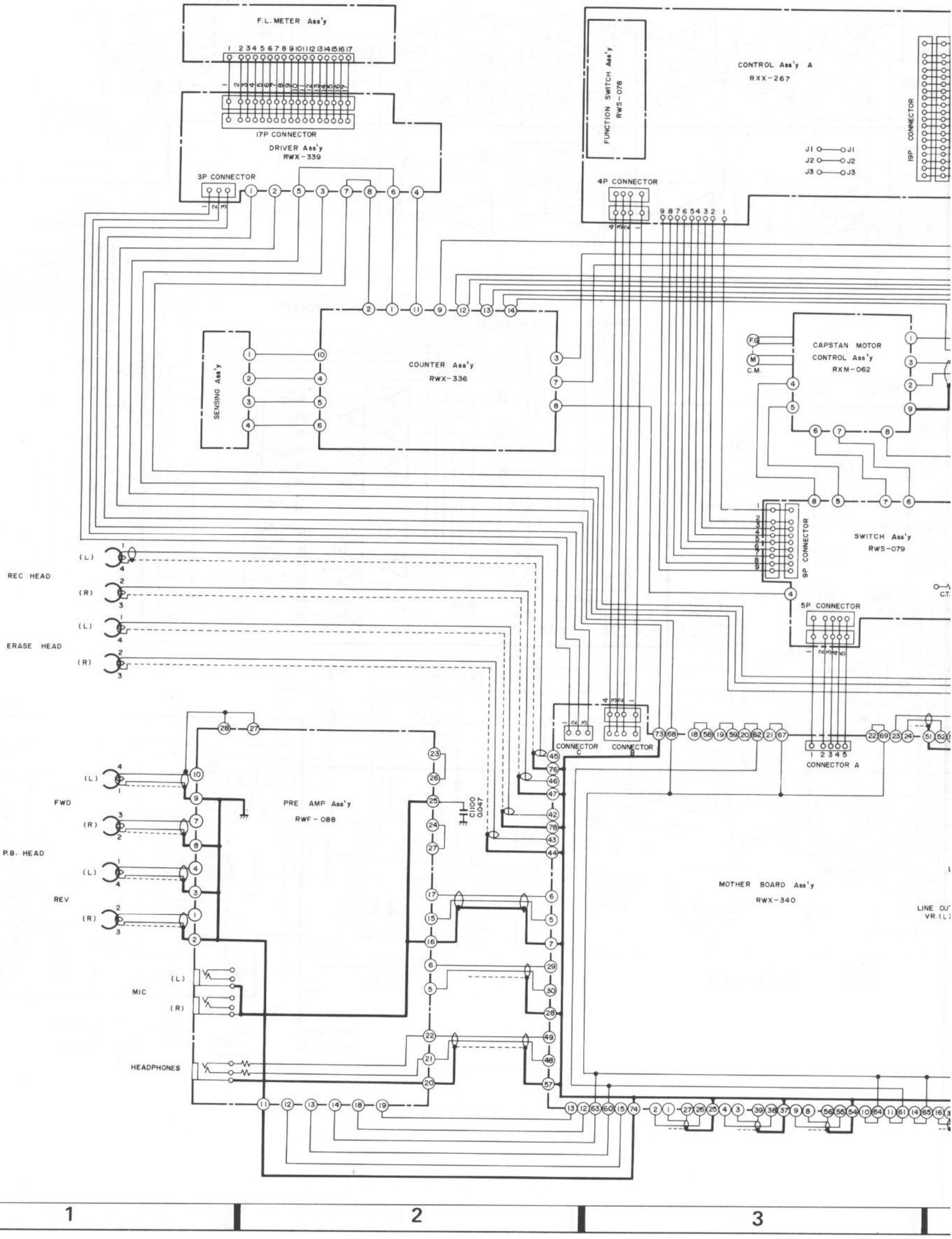
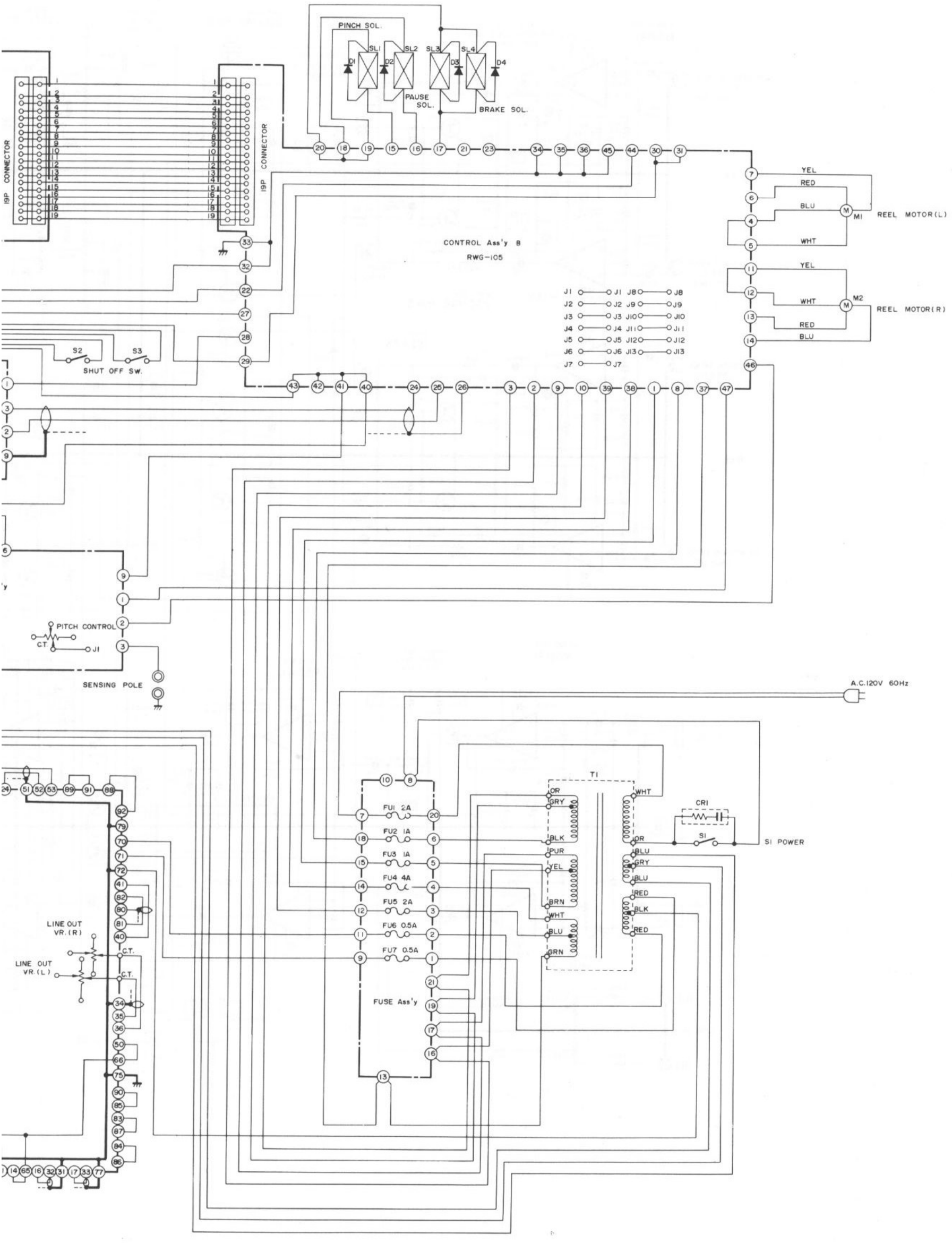
11.2 CONNECTION DIAGRAM

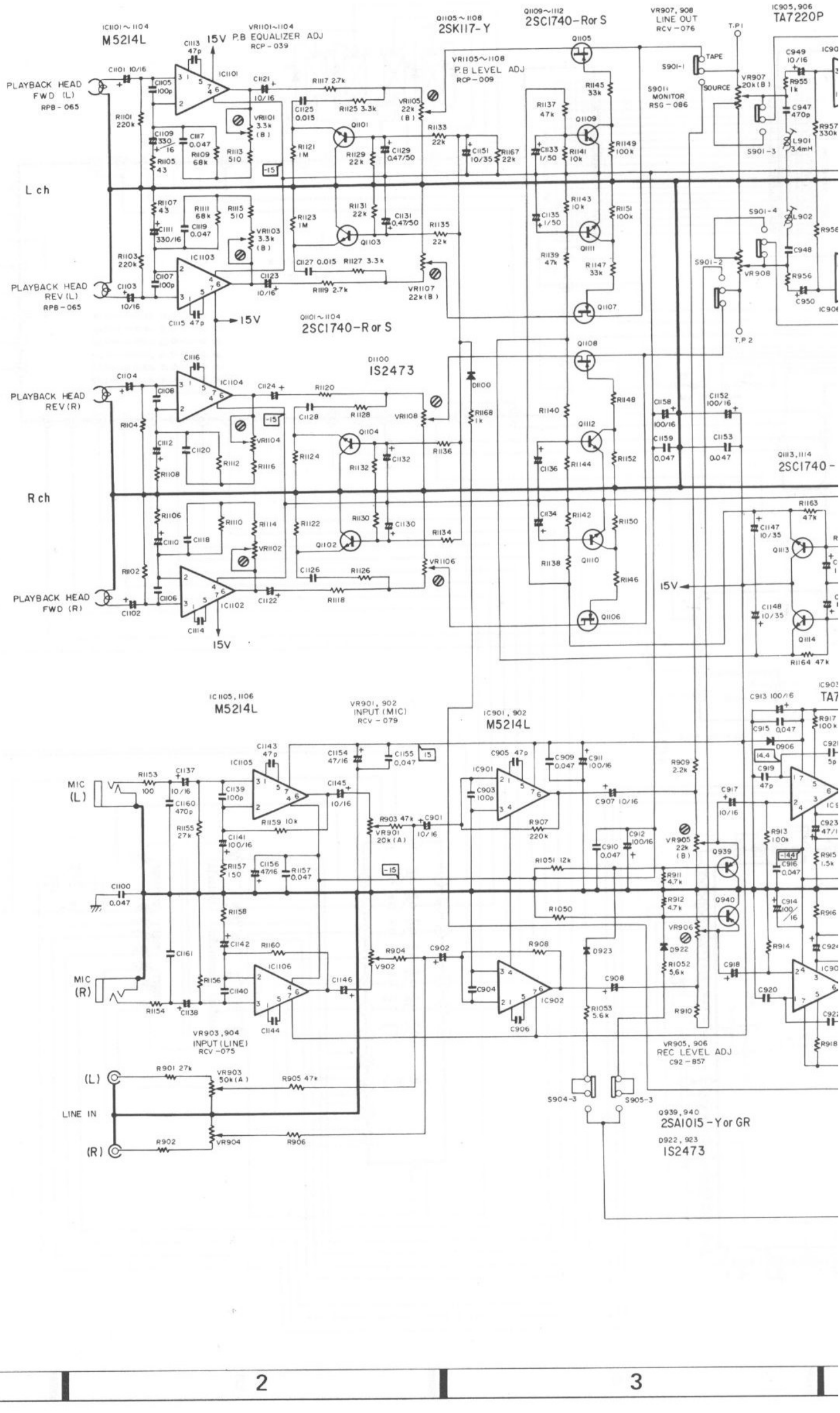


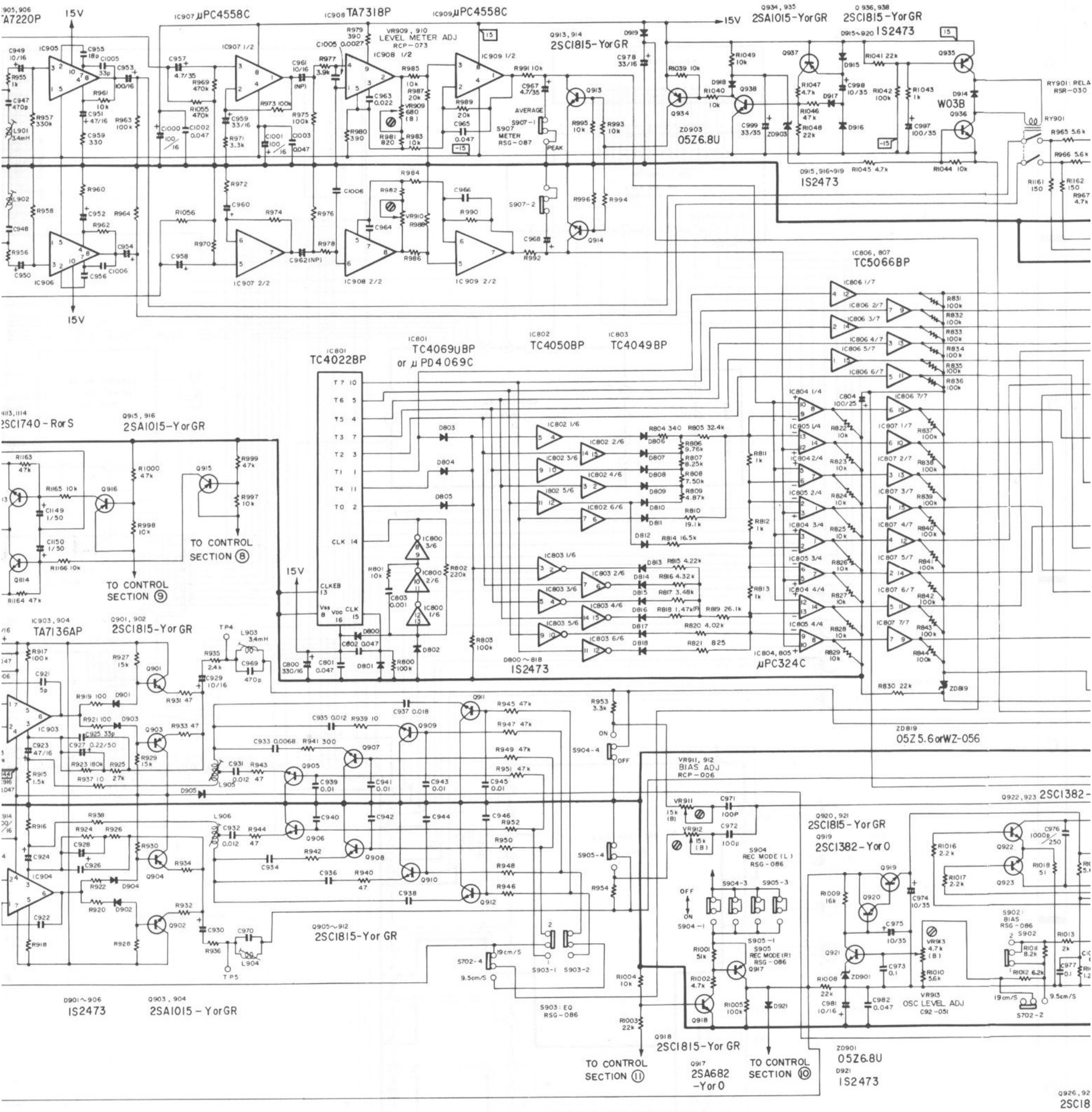
- *Assemblies without part no. cannot be supplied.*



11.3 SCHEMATIC DIAGRAMS

- **Signal Section**




IC905,906 TA7220P
15V
IC907 µPC4558C
IC908 TA7318P
IC909 µPC4558C
VR909, 910 LEVEL METER ADJ RCP-073
Q913, 914 2SC1815-YorGR
Q934, 935 2SA1015-YorGR
Q936, 938 2SC1815-YorGR
D915~920 IS2473
ZD903 05Z6.8U
W03B
RY901: RELA RSR-030
S907 METER RSG-087
AVERAGE PEAK
IC906
IC907 2/2
IC908 2/2
IC909 2/2
IC801 TC4022BP
IC801 TC4069UBP or µPD4069C
IC802 TC4050BP
IC803 TC4049BP
IC806, 807 TC5066BP
D800~818 IS2473
µPC324C
ZD819 05Z5.6orWZ-056
IC903, 904 TA7136AP
Q901, 902 2SC1815-YorGR
D901~906 IS2473
Q903, 904 2SA1015-YorGR
Q905~912 2SC1815-YorGR
VR911, 912 BIAS ADJ RCP-006
S904 REC MODE (L) RSG-086
S905 REC MODE (R) RSG-086
S903: EQ RSG-086
S902: BIAS RSG-086
VR913 OSC LEVEL ADJ C92-051
Q913 2SC1740-RorS
Q915, 916 2SA1015-YorGR
TO CONTROL SECTION (8)
TO CONTROL SECTION (9)
TO CONTROL SECTION (11)
TO CONTROL SECTION (10)
Q917 2SA682-YorO
Q918 2SC1815-YorGR
Q919 2SC1382-YorO
Q920, 921 2SC1815-YorGR
ZD901 05Z6.8U
D921 IS2473
Q922, 923 2SC1382-
Q926, 92 2SC18
Q930~9 2SA10

RY901 : RELAY
RSR-030

RY901

R965 5.6k

R966 5.6k

(L)

LINE OUT

(R)

R1162 150

R967 4.7k

R968 4.7k

HEADPHONES

TO CONTROL SECTION ①

17 F
16 6G
15 La
14 Lb
13 Lc
12 5G
11 Ld
10 4G
9 3G
8 Ra
7 Rb
6 2G
5 Rc
4 Rd
3 1G
2 PG
1 F

24A15Y

15V

TO CONTROL SECTION ②

TO CONTROL SECTION ③

TO CONTROL SECTION ④

(L)

REC HEAD
RPB-064

(R)

2SC1382-Y

TP3

T901

S904-2
ON
OFF

(L)

L907

R1007 150k

ERASE HEAD
RPB-047

R1006 150k

L908

(R)

ON

S905-2

S906 : DIMMER
RSG-087

Q924
2SA682-Y or O

Q925
2SA1015-Y or GR

C976 1000p/250

R1018 51

R1019 5.6k

C980 6800p/125

C979 0.047

R1013 2k

R1020 47k

R1015 4.7k

C1004 0.1

C977 0.1

R1014 1.2k

D907

D908

L909 1mH

9.5cm/S

D907, 908
1S1585

NORMAL

S906-1

S906-2

NORMAL

-20

-13

DIMER

D909

R1024 13k

Q924

D910

C985 100/50

D910, 911
W03B

R1022 5.6k

R1025 47k

C984 100/50

D911

C986 100/35

Q925

R1023 10k

C983 0.047

R1026 1.5 (1W)

DIMMER

Q928
2SD712

D913 SIVB10

TO CONTROL SECTION ⑤

TO CONTROL SECTION ⑥

TO CONTROL SECTION ⑦

D909, 912
1S2473

15V

R1030 1.5 (1W)

Q926

Q928

Q929

R1033 10k

R1028 5.6k

R1031 12k

R1032 33k

C988 2200/25

R1027 15k

VR914 2.2k (B)

C987 0.047

D912

C989 0.01

C990 100/35

C991 2200/35

R1029 6.8k

Q927

ZD902

Q926, 927, 929
2SC1815-Y or GR

VR914
VOLTAGE(15V) ADJ
C92-401

Q930~932
2SA1015-Y or GR

Q931

C994 0.01

C995 100/35

C996 2200/35

ZD902
05Z6.8U

R1034 13k

Q930

Q932

R1037 33k

R1038 10k

Q933
2SB682

C992 0.047

C993 2200/25

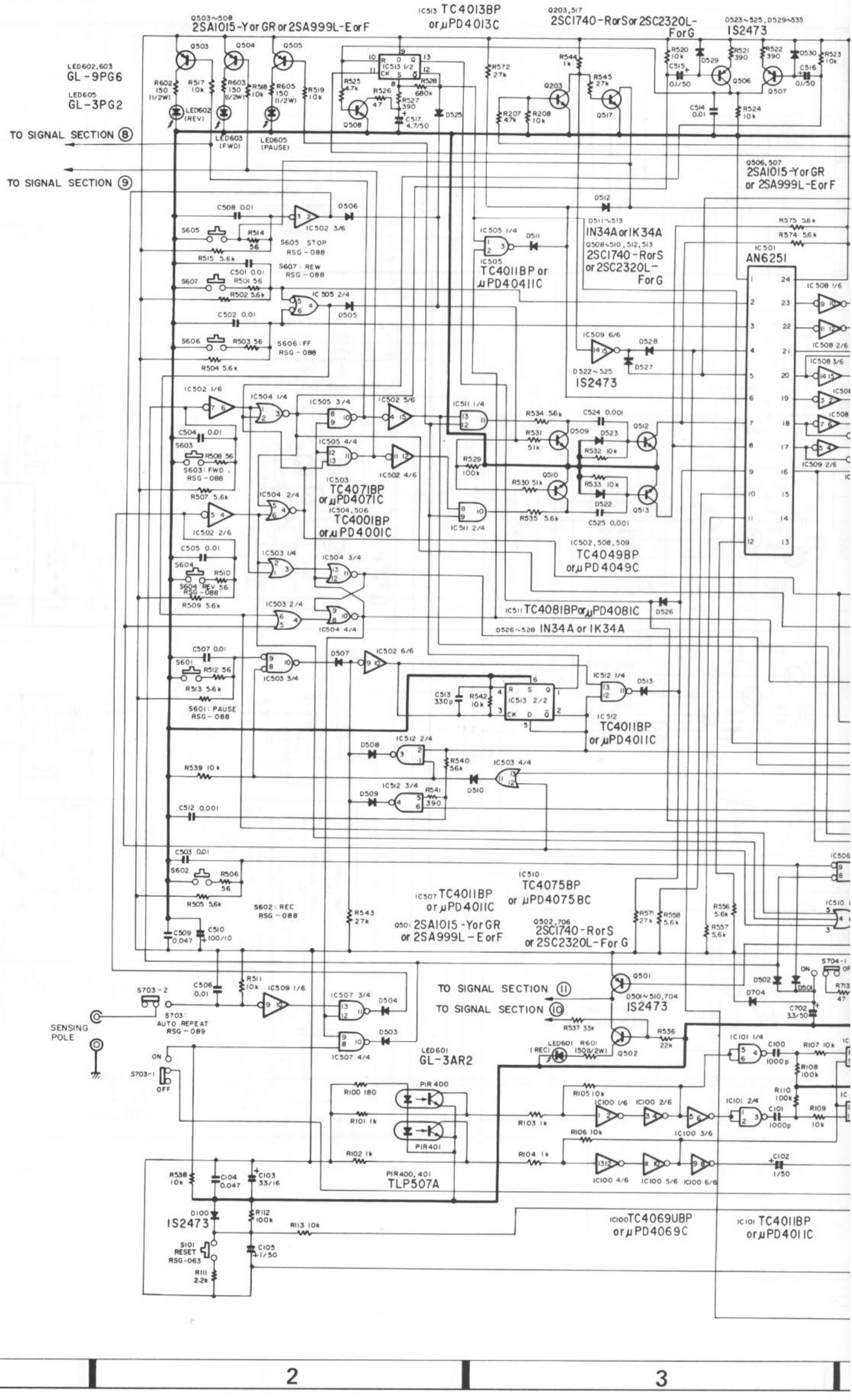
R1035 1.5k

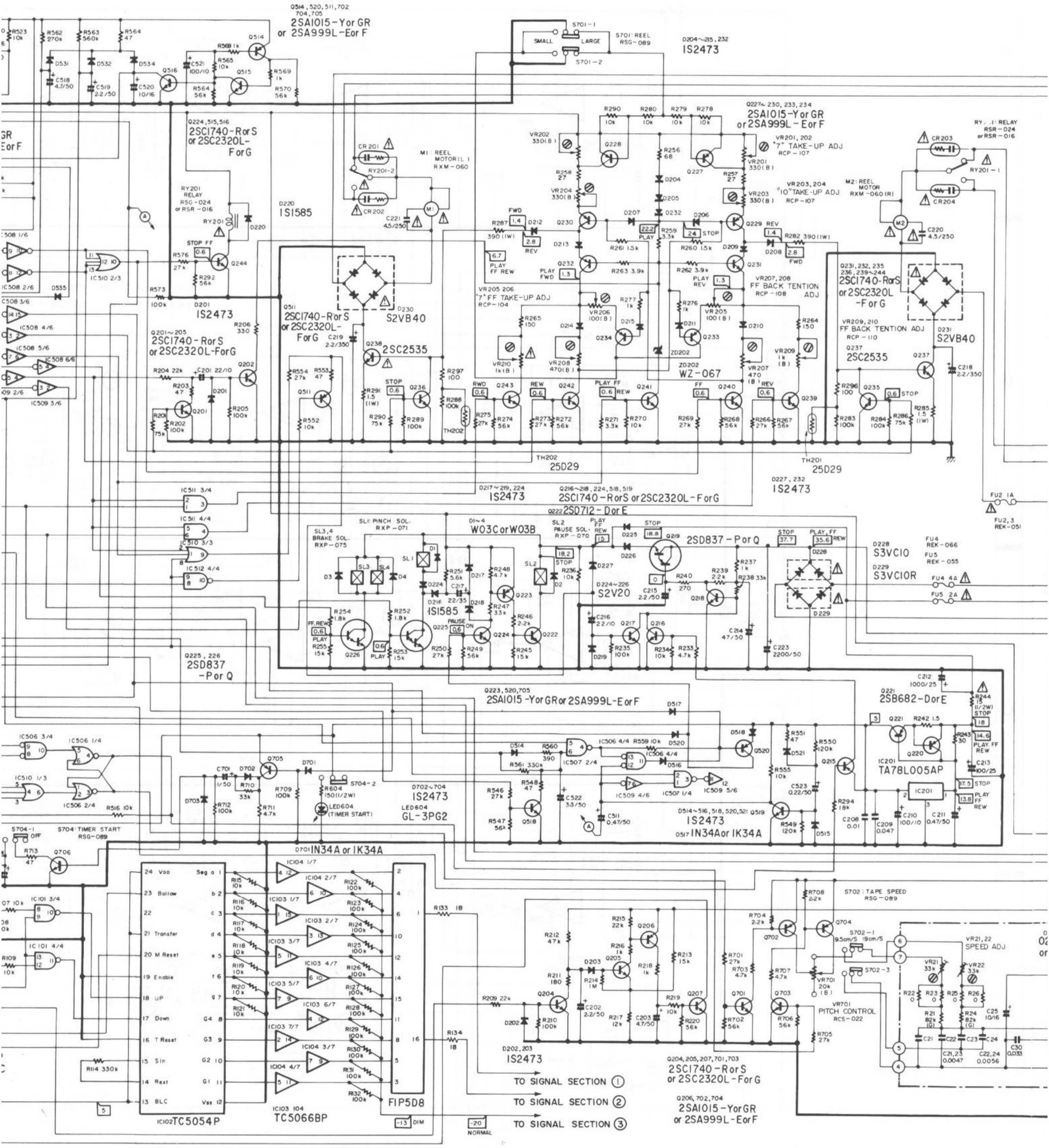
-15

R1036 1.5 (1W)

Q933

• Control Section



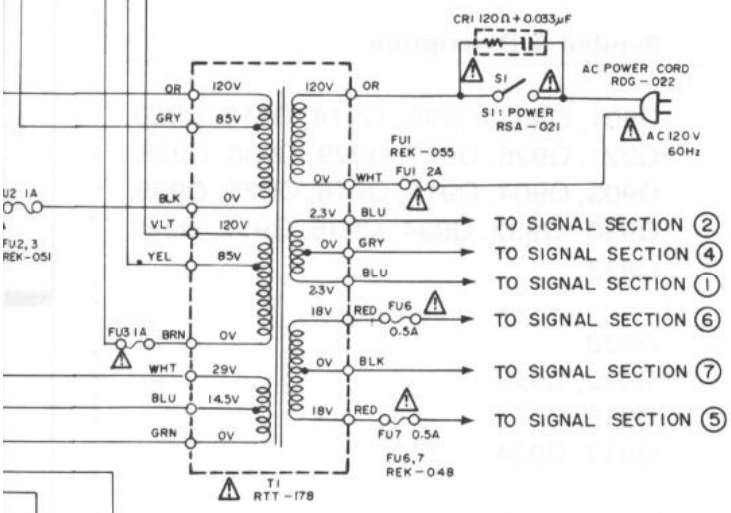

Q514, 520, 511, 702 704, 705
2SA1015-Y or GR or 2SA999L-E or F
S701-1
SMALL
LARGE
S701-2
S701: REEL RSG-089
D204~215, 232
IS2473
R523 10k
R562 270k
R563 560k
R564 47
D531
D532
D534
C518 4.7/50
C519 2.2/50
C520 10/16
Q516
Q515
Q514
R568 1k
R565 10k
C521 100/10
R564 56k
R569 1k
R570 56k
Q224, 515, 516
2SC1740-R or S or 2SC2320L-F or G
R290 10k
R280 10k
R279 10k
R278 10k
Q227~230, 233, 234
2SA1015-Y or GR or 2SA999L-E or F
VR202 330(B)
Q228
VR201, 202 "7" TAKE-UP ADJ RCP-107
VR201 330(B)
Q227
R256 68
R257 27
R258 27
VR204 330(B)
VR203, 204 "10" TAKE-UP ADJ RCP-107
VR203 330(B)
M2: REEL MOTOR RXM-060(R)
RY201 RELAY RSG-024 or RSR-016
D220 IS1585
CR201
RY201-2
CR202
M1: REEL MOTOR(L) RXM-060
C221 4.5/250
FWD
R287 390(1W)
D212
Q230
D213
REV
D207
D232
D206
Q229
REV
R259 3.3k
PLAY
R260 1.5k
STOP
D209
R282 390(1W)
D208
FWD
Q231
R261 1.5k
R262 3.9k
R263 3.9k
PLAY FF REW
PLAY FWD
PLAY REV
VR207, 208 FF BACK TENTION ADJ RCP-108
VR205 206 "7" FF TAKE-UP ADJ RCP-104
VR206 100(B)
VR205 100(B)
R277 1k
R276 1k
R265 150
R264 150
D214
D215
D211
Q234
Q233
ZD202
WZ-067
VR210 1k(B)
VR208 470(B)
VR207 470 (B)
VR209 1k (B)
Q231, 232, 235 236, 239~244
2SC1740-R or S or 2SC2320L-F or G
VR209, 210 FF BACK TENTION ADJ RCP-110
D231 S2VB40
Q237 2SC2535
C218 2.2/350
R573 100k
D201 IS2473
R206 330
D230 S2VB40
Q511 2SC1740-R or S or 2SC2320L-F or G
C219 2.2/350
Q238 2SC2535
Q201~205 2SC1740-R or S or 2SC2320L-F or G
R204 22k
C201 22/10
Q202
R203 47
D201
Q201
R201 75k
R202 100k
R205 100k
R554 27k
R553 47
Q511
R552 10k
R291 1.5 (1W)
STOP
Q236
R290 75k
R289 100k
R297 100
R288 100k
TH202
RWD
Q243
REW
Q242
PLAY FF
Q241
FF
Q240
REV
Q239
R275 27k
R274 56k
R273 27k
R272 56k
R271 3.3k
R270 10k
R269 27k
R268 56k
R266 27k
R267 56k
R296 100
Q235
STOP
R283 100k
R284 100k
R286 75k
R285 1.5 (1W)
TH202 25D29
TH201 25D29
D217~219, 224 IS2473
Q216~218, 224, 518, 519 2SC1740-R or S or 2SC2320L-F or G
D227, 232 IS2473
FU2 1A
FU2, 3 REK-051
IC511 3/4
IC511 4/4
IC510 3/3
IC512 4/4
Q222 2SD712-D or E
SL1: PINCH SOL. RXP-071
SL3,4 BRAKE SOL. RXP-075
SL2 PAUSE SOL. RXP-070
D1~4 W03C or W03B
PLAY FF REW
STOP
Q219 2SD837-P or Q
STOP
PLAY, FF
REW
D228 S3VC10
D229 S3VC10R
FU4 REK-066
FU5 REK-055
FU4 4A
FU5 2A
D1
SL1
SL3
SL4
D3
D4
D224
C217
D216 22/35
IS1585
D218
SL2
D2
D227
D224~226 S2V20
R251 5.6k
D217
R248 4.7k
Q223
R247 33k
R246 2.2k
Q222
R236 10k
R239 2.2k
R237 1k
R238 33k
R240 270
Q218
C215 2.2/50
D228
D229
R254 1.8k
R252 1.8k
FF.REW
PLAY
R255 15k
Q226
R253 15k
PAUSE ON
Q225
R250 27k
R249 56k
R245 15k
C216 22/10
Q217
Q216
D219
R235 100k
R234 10k
R233 4.7k
C214 47/50
C223 2200/50
Q225, 226 2SD837-P or Q
Q223, 520, 705 2SA1015-Y or GR or 2SA999L-E or F
D517
C212 1000/25
Q221 2SB682-D or E
R244 15 (1/2W) STOP
PLAY, FF REW
C213 100/25
IC506 3/4
IC506 1/4
IC510 1/3
IC506 2/4
Q705
D701
D702
C701 1/50
R710 33k
D703
R712 100k
R709 100k
R711 4.7k
S704-2
R604 150(1/2W)
LED604 (TIMER START)
D702~704 IS2473 LED604 GL-3PG2
R516 10k
D514
R560 390
R561 330k
IC507 2/4
IC506 4/4 R559 10k
D520
D516
IC506 4/4
IC509 4/6
IC507 1/4
IC509 5/6
R546 27k
R548 47
R547 56k
Q518
C522 33/50
C511 0.47/50
D514~516, 518, 520, 521 Q519 IS2473
D517 IN34A or IK34A
D518
Q520
R551 47
R550 120k
D521
R555 10k
Q215
C523 0.22/50
R549 120k
D515
R294 18k
C208 0.01
C209 0.047
C210 100/10
C211 0.47/50
IC201 TA78L005AP
R242 1.5
Q220
R243 30
PLAY, FF REW
STOP
PLAY, FF REW
S704-1 OFF
S704: TIMER START RSG-089
R713 47
Q706
D701 IN34A or IK34A
IC104 1/7
IC104 2/7
IC103 1/7
IC103 2/7
IC103 3/7
IC104 4/7
IC103 4/7
IC103 5/7
IC103 6/7
IC103 7/7
IC104 3/7
IC104 4/7
R115 10k
R116 10k
R117 10k
R118 10k
R119 10k
R120 10k
R121 10k
R122 100k
R123 100k
R124 100k
R125 100k
R126 100k
R127 100k
R128 100k
R129 100k
R130 100k
R131 100k
R132 100k
R133 18
R134 18
FIP5D8
IC102 TC5054P
IC103 104 TC5066BP
24 Vdd
23 Bollow
22
21 Transfer
20 M Reset
19 Enable
18 UP
17 Down
16 T Reset
15 Sin
14 Rext
13 BLC
Seg a 1
b 2
c 3
d 4
e 5
f 6
g 7
G4 8
G3 9
G2 10
G1 11
Vss 12
R114 330k
-13 DIM
-20 NORMAL
TO SIGNAL SECTION (1)
TO SIGNAL SECTION (2)
TO SIGNAL SECTION (3)
D202, 203 IS2473
R209 22k
D202
R210 100k
R212 47k
R211 180
R215 22k
Q206
R216 1k
Q205
D203
R214 1M
C202 2.2/50
R217 12k
R213 15k
R218 1k
C203 4.7/50
Q204
R219 10k
Q207
R220 56k
Q204, 205, 207, 701, 703 2SC1740-R or S or 2SC2320L-F or G
Q206, 702, 704 2SA1015-Y or GR or 2SA999L-E or F
R708 2.2k
R704 2.2k
Q702
Q704
S702-1 9.5cm/S 19cm/S
S702-3
S702: TAPE SPEED RSG-089
VR701 20k (B)
VR701 PITCH CONTROL RCS-022
R701 27k
R703 4.7k
R707 4.7k
Q701
Q703
R702 56k
R706 56k
R705 27k
VR21, 22 SPEED ADJ
VR21 33k
VR22 33k
R22 0
R23 0
R25 0
R26 0
R21 82k (G)
R24 82k (G)
C25 10/16
C21
C22
C23
C24
C30 0.033
C21, 23 0.0047
C22, 24 0.0056
RY201: RELAY RSR-024 or RSR-016
CR203
RY201-1
CR204

SWITCES

S1	POWER	OFF — ON
S2	SHUT OFF	OFF — ON
S3	SHUT OFF	OFF — ON
S601	PAUSE	OFF — ON
S602	REC	OFF — ON
S603	FWD	OFF — ON
S604	REV	OFF — ON
S605	STOP	OFF — ON
S606	FF	OFF — ON
S607	REW	OFF — ON
S701	REEL	LARGE — SMALL
S702	TAPE SPEED	19 cm/S — 9.5 cm/S
S703	AUTO REPEAT	OFF — ON
S704	TIMER START	OFF — ON
S901	MONITOR	TAPE — SOURCE
S902	BIAS	1 — 2
S903	EQ	1 — 2
S904	REC MODE (L)	OFF — ON
S905	REC MODE (R)	OFF — ON
S906	DIMMER	NORMAL — DIMMER
S907	METER	AVERAGE — PEAK
S101	RESET	OFF — ON

The underlined indicates the switch position.

The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.



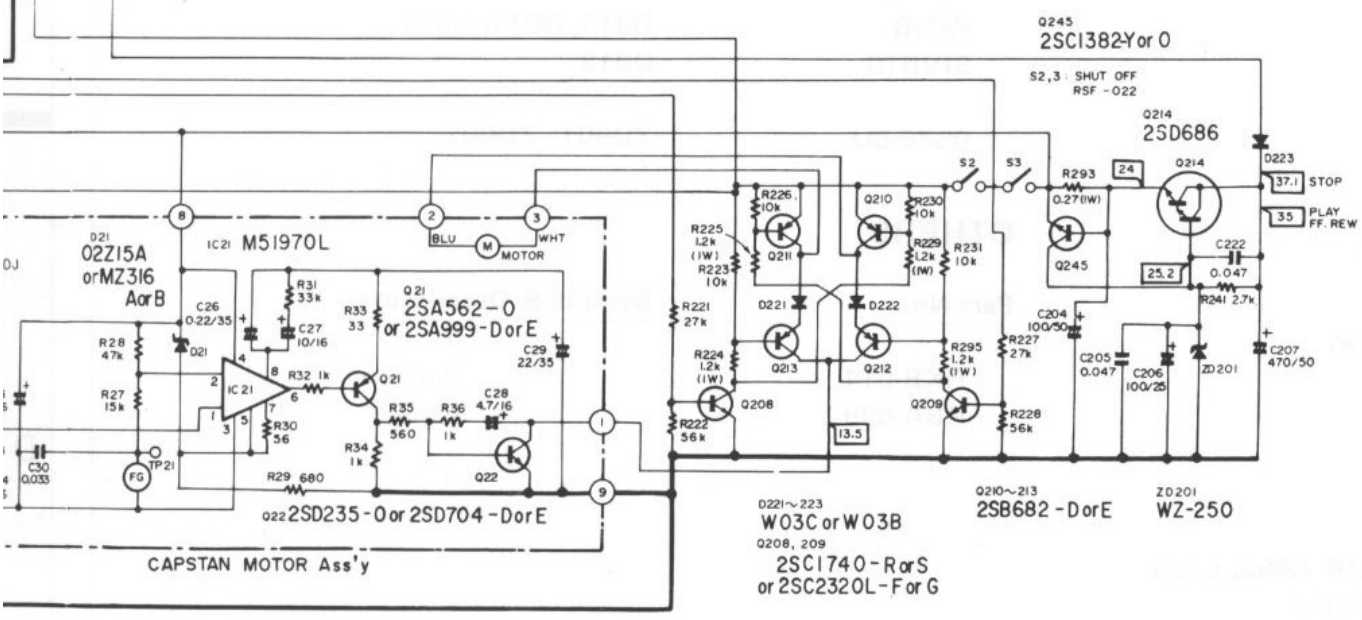
1. RESISTORS;
   Indicated in Ω, 1/4W, ±5% tolerance unless otherwise noted
   k; kΩ, M; MΩ, F; ±1%, G; ±2%, K; ±10% tolerance
2. CAPACITORS;
   Indicated in capacity (μF) voltage (V) unless otherwise noted p: pF
   Indicatin without voltage is 50V except electrolytic capacitor.
3. VOLTAGE
   □ : DC voltage (V) at no input signal
4. OTHERS;
   ⊘ : Adjusting point.

Q215, 220, 223
2SA1015-YorGR
or2SA999L-EorF

Q245
2SC1382-Yor O

S2,3: SHUT OFF
RSF-022

Q214
2SD686



This is the basic schematic diagram, but the actual circuit may vary due to improvements in design.