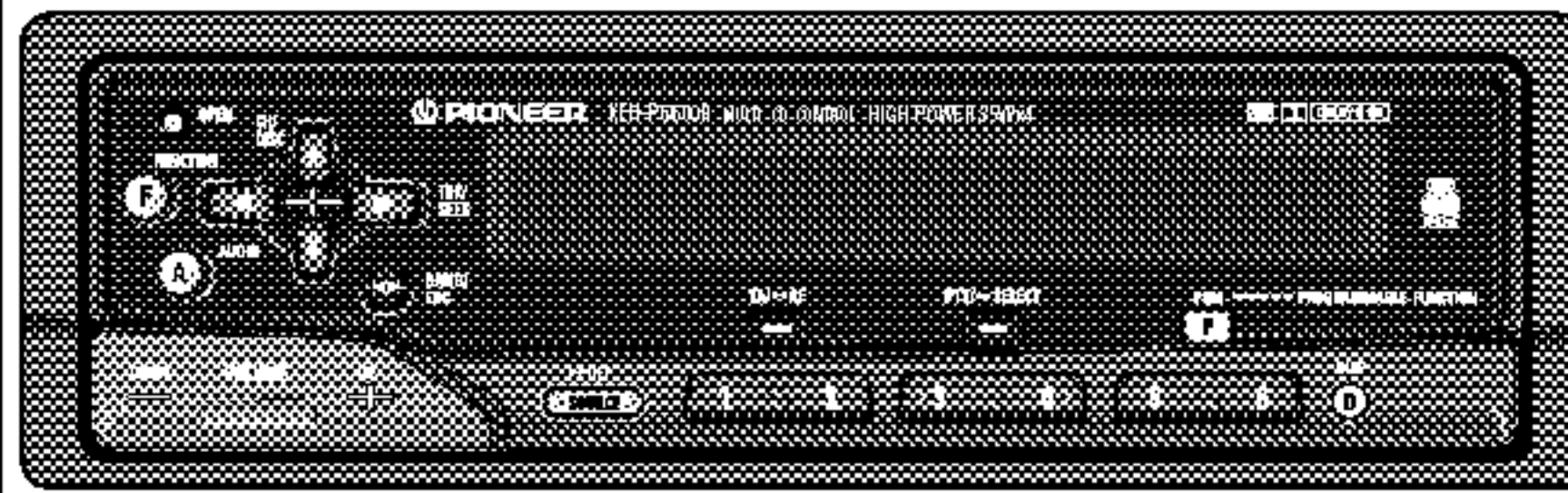


Service Manual

PIONEER
The Art of Entertainment

KEH-P6600R/EW



ORDER NO.
CRT2021

MULTI-CD CONTROL HIGH POWER CASSETTE PLAYER WITH RDS TUNER

KEH-P6600R

EW

MULTI-CD CONTROL CASSETTE PLAYER WITH RDS TUNER

KEX-P66R

EW

NOTE:

- See the separate manual CX-631(CRT1640) for the cassette mechanism description.
- The cassette mechanism assy employed in this model is one of X-2L series
- Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.
- This service manual does not describe the CD test mode.
For the operations in the CD test mode, refer to the CD player's Service Manual.

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1. SAFETY INFORMATION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual. Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

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K-FEB. MAY 1997 Printed in Belgium

2. EXPLODED VIEWS AND PARTS LIST

2.1 PACKING

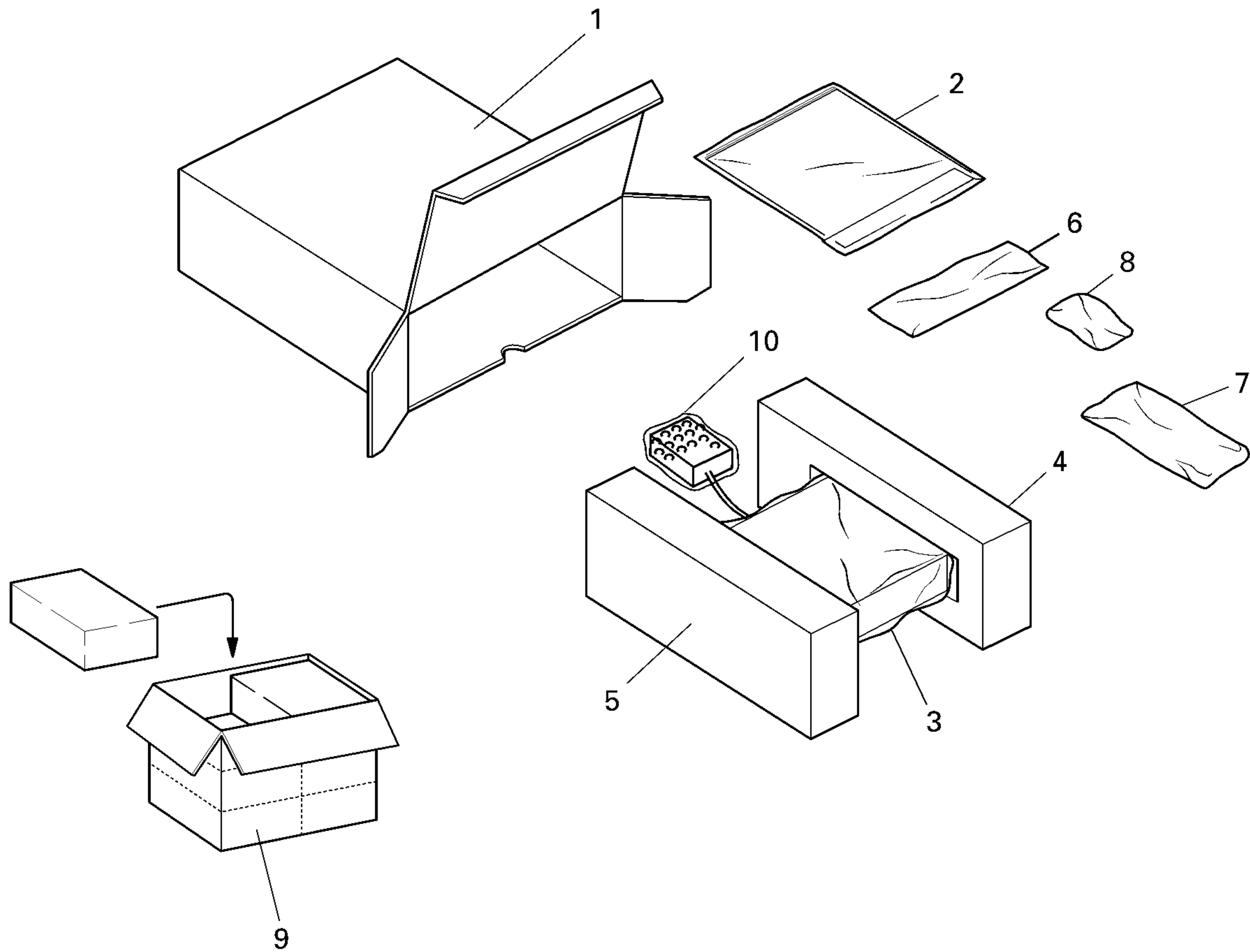


Fig. 1

NOTE:

- Parts marked by " *" are generally unavailable because they are not in our Master Spare Parts List.
- Screws adjacent to ▼ mark on the product are used for disassembly.

● **Parts List**

| Mark No. | Description | Part No. | |
|----------|---------------------|---------------|-------------|
| | | KEH-P6600R/EW | KEX-P66R/EW |
| 1 | Carton | CHG3340 | CHG3296 |
| 2-1 | Owner's Manual | CRD2364 | CRD2364 |
| 2-2 | Installation Manual | CRD2367 | CRD2378 |
| 2-3 | Owner's Manual | CRD2366 | CRD2366 |
| 2-4 | Owner's Manual | CRD2365 | CRD2365 |
| * 2-5 | Warranty Card | CRY1087 | CRY1087 |
| 2-6 | Passport | CRY1013 | CRY1013 |
| 2-7 | Polyethylene Bag | CEG1116 | CEG1116 |
| 3 | Polyethylene Bag | CEG-162 | CEG-162 |
| 4 | Protector | CHP1687 | CHP1687 |
| 5 | Protector | CHP1688 | CHP1688 |
| 6 | Case Assy | CXA7194 | CXA7194 |
| 7 | Cord Assy | CDE5320 | CDE5321 |
| 8 | Accessory Assy | CEA2065 | CEA2065 |
| 9 | Contain Box | CHL3340 | CHL3296 |
| 10 | Air Cushioned Bag | CEG1192 | CEG1192 |

● Owner's Manual, Installation Manual

| Part No. | Language |
|----------|----------------------------------|
| CRD2364 | English, Spanish |
| CRD2365 | German, French |
| CRD2366 | Italian, Dutch |
| CRD2367 | English, Spanish, German, French |
| CRD2378 | Italian, Dutch |

● Accessory Assy

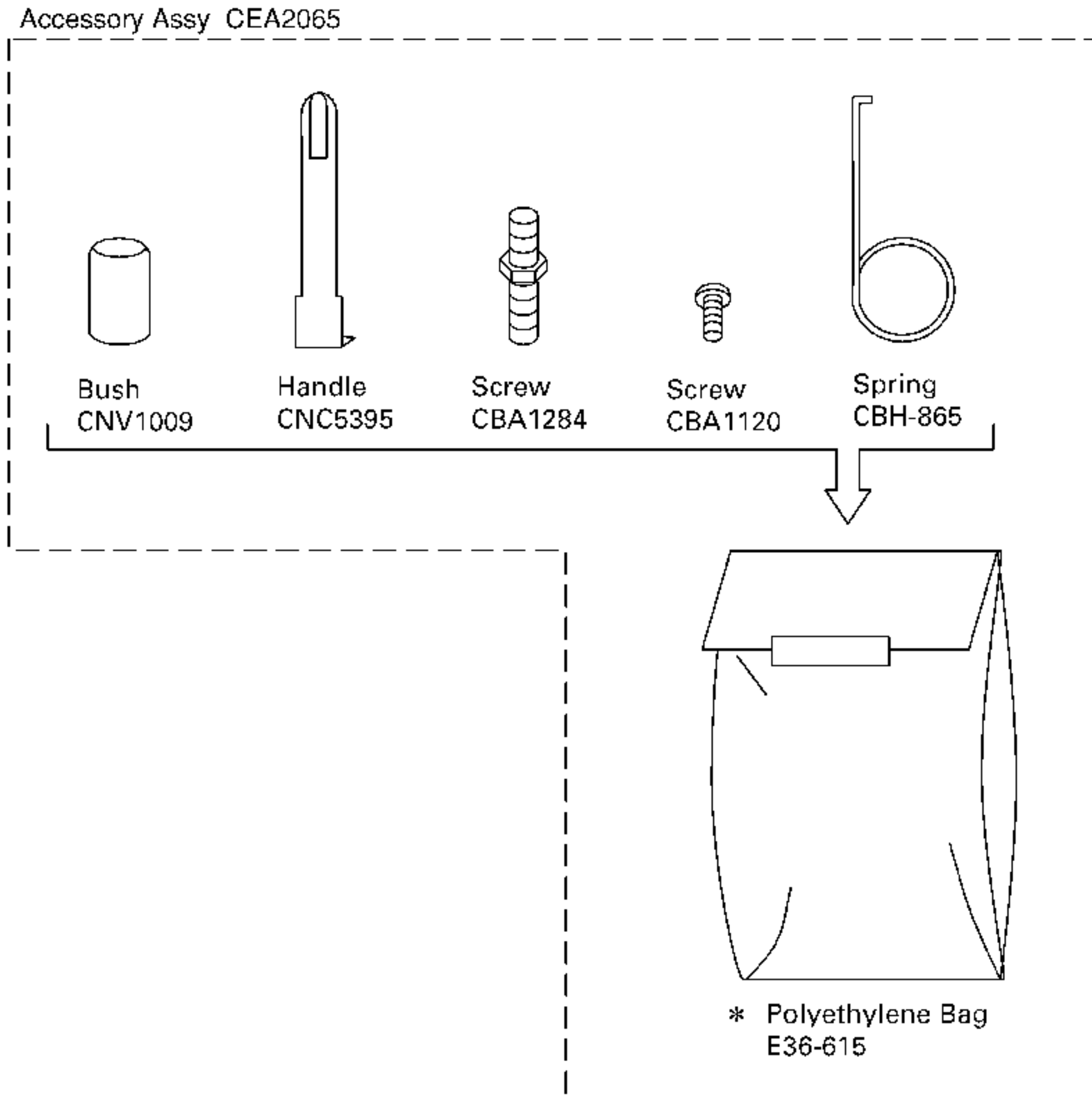


Fig. 2

KEH-P6600R, KEX-P66R

2.2 EXTERIOR

● KEH-P6600R/EW

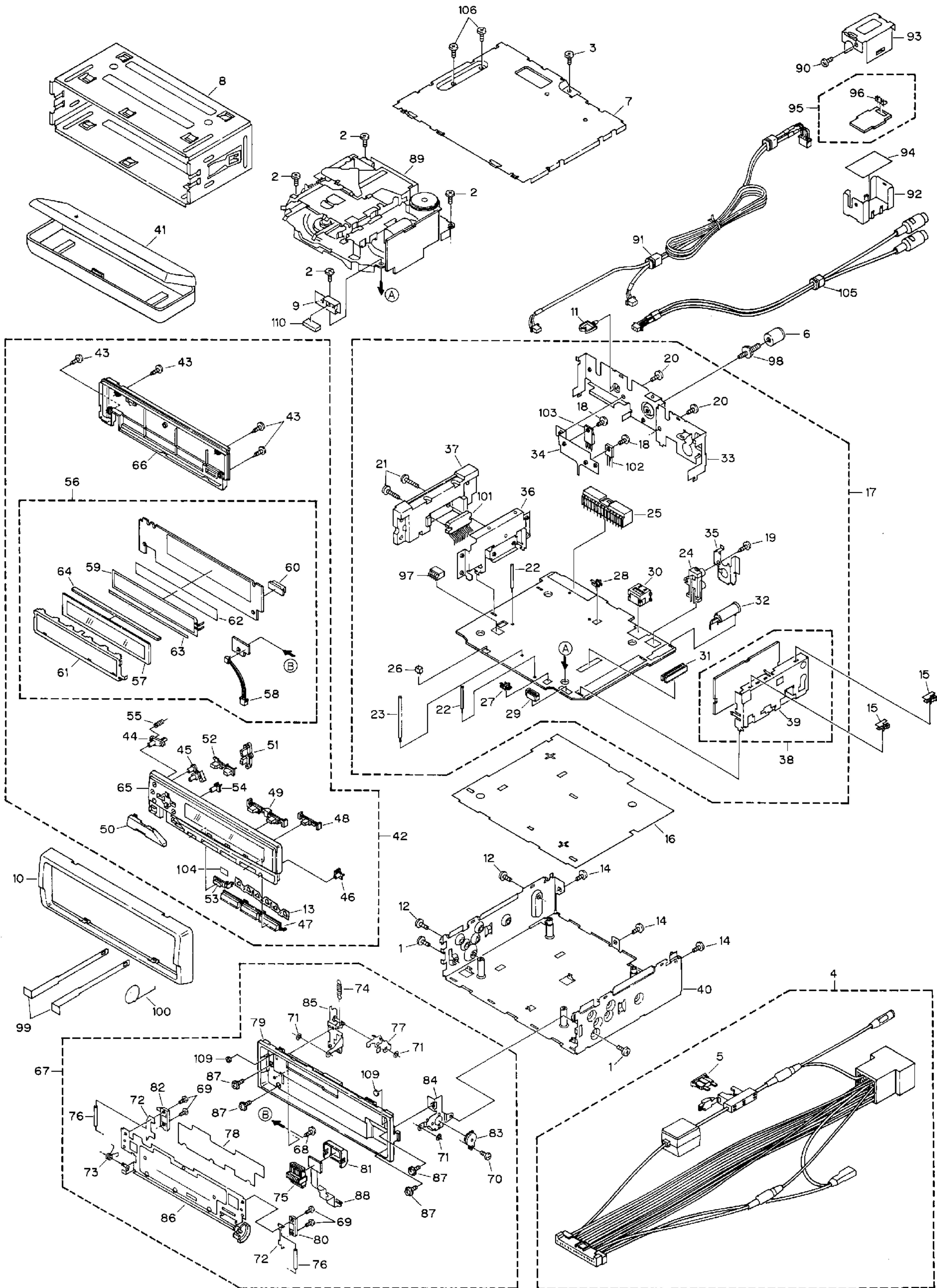


Fig. 3

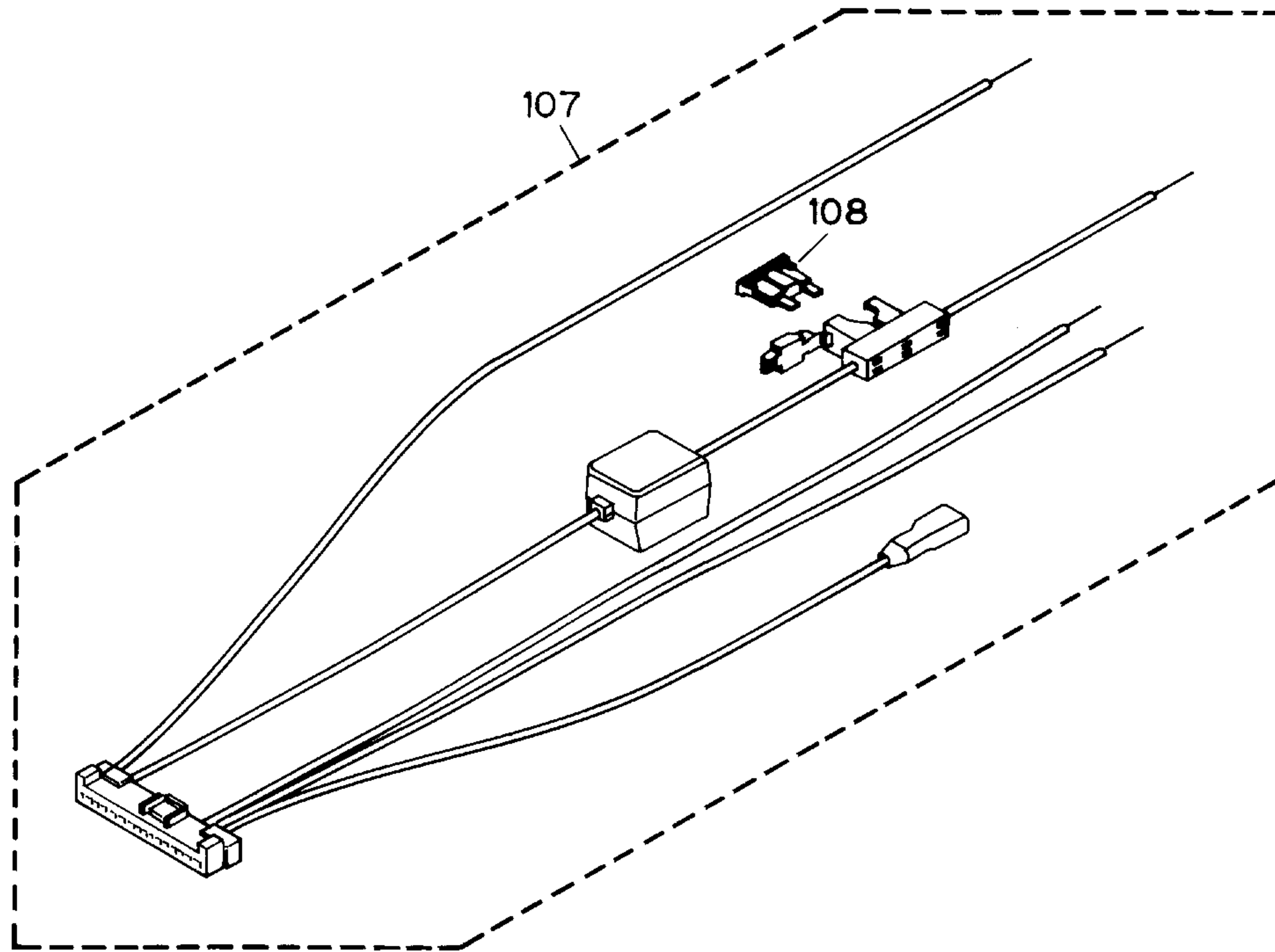


Fig. 4

● Parts List

| Mark No. | Description | Part No. | |
|----------|-----------------|---------------|--------------|
| | | KEH-P6600R/EW | KEX-P66R/EW |
| 1 | Screw | BMZ30P040FMC | BMZ30P040FMC |
| 2 | Screw | BSZ26P050FMC | BSZ26P050FMC |
| 3 | Screw | BSZ30P050FMC | BSZ30P050FMC |
| 4 | Cord Assy | CDE5320 | ..... |
| 5 | Fuse(10A) | CEK1136 | ..... |
| 6 | Bush | CNV1009 | CNV1009 |
| 7 | Case | CNB2224 | CNB2201 |
| 8 | Holder | CNC6798 | CNC6798 |
| 9 | Shield | CNC7365 | CNC7365 |
| 10 | Panel | CNS4447 | CNS4553 |
| 11 | Clamper | CNV1343 | CNV1343 |
| 12 | Screw | BMZ30P080FMC | ..... |
| 13 | Spacer | CNM5524 | CNM5524 |
| 14 | Screw | BSZ30P050FMC | BSZ30P050FMC |
| 15 | Holder | CNC5704 | CNC5704 |
| 16 | Insulator | CNM5248 | CNM5248 |
| 17 | Tuner Amp Unit | CWM5318 | CWM5442 |
| 18 | Screw | BMZ26P060FMC | BMZ26P060FMC |
| 19 | Screw | BPZ26P060FMC | BPZ26P060FMC |
| 20 | Screw | BSZ26P050FMC | BSZ26P050FMC |
| 21 | Screw | BSZ26P140FMC | ..... |
| 22 | Clamper | CEF1005 | CEF1005 |
| 23 | Clamper | CEF1009 | CEF1009 |
| 24 | Pin Jack(CN351) | CKB1028 | CKB1033 |
| 25 | Plug(CN601) | CKM1231 | CKM1231 |

KEH-P6600R,KEX-P66R

| Mark No. | Description | Part No. | |
|----------|---------------------|---------------|--------------|
| | | KEH-P6600R/EW | KEX-P66R/EW |
| 26 | Plug(CN644) | CKS-783 | CKS-783 |
| 27 | Plug(CN641) | CKS1236 | CKS1236 |
| 28 | Plug(CN642) | CKS1236 | CKS1236 |
| 29 | Connector(CN643) | CKS1499 | CKS1499 |
| 30 | Connector(CN281) | CKS3408 | CKS3408 |
| 31 | Connector(CN671) | CKS3568 | CKS3568 |
| 32 | Antenna Jack(CN402) | CKX1056 | CKX1056 |
| 33 | Panel | CNB2168 | CNB2167 |
| 34 | Holder | CNC6420 | CNC6420 |
| 35 | Holder | CNC6531 | CNC6531 |
| 36 | Holder | CNC6674 | ..... |
| 37 | Heat Sink | CNR1426 | ..... |
| 38 | FM/AM Tuner Unit | CWE1416 | CWE1416 |
| 39 | Holder | CNC6555 | CNC6555 |
| 40 | Chassis Unit | CXB1210 | CXB1461 |
| 41 | Case Assy | CXA7194 | CXA7194 |
| 42 | Detach Grille Assy | CXB1444 | CXB1446 |
| 43 | Screw | BPZ20P080FZK | BPZ20P080FZK |
| 44 | Button(OPEN) | CAC4971 | CAC4971 |
| 45 | Button(F,A) | CAC4972 | CAC4972 |
| 46 | Button(D) | CAC5341 | CAC5341 |
| 47 | Button(1-6) | CAC5083 | CAC5382 |
| 48 | Button(PGM) | CAC5084 | CAC5084 |
| 49 | Button(PHY,TA) | CAC5085 | CAC5085 |
| 50 | Button(Vol+,Vol-) | CAC5086 | CAC5380 |
| 51 | Button(▲,▼) | CAC5087 | CAC5203 |
| 52 | Button(◀,▶) | CAC5088 | CAC5204 |
| 53 | Button(SOURCE) | CAC5089 | CAC5207 |
| 54 | Button(◀▶) | CAC5222 | CAC5222 |
| 55 | Spring | CBH1844 | CBH1844 |
| 56 | Keyboard Unit | CWM5348 | CWM5451 |
| 57 | LCD(LCD901) | CAW1422 | CAW1422 |
| 58 | Cord | CDE4387 | CDE4387 |
| 59 | EL(CN902) | CEL1502 | CEL1502 |
| 60 | Connector(CN901) | CKS2733 | CKS2733 |
| 61 | Holder | CNC7024 | CNC7024 |
| 62 | Tape | CNM5317 | CNM5317 |
| 63 | Spacer | CNM5380 | CNM5380 |
| 64 | Connector | CNV4875 | CNV4875 |
| 65 | Grille Unit | CXB1191 | CXB1199 |
| 66 | Cover Unit | CXB1201 | CXB1203 |
| 67 | Panel Assy | CXB1453 | CXB1455 |
| 68 | Screw | BPZ20P060FMC | BPZ20P060FMC |
| 69 | Screw | CBA1082 | CBA1082 |
| 70 | Screw | CBA1176 | CBA1176 |
| 71 | Washer | CBF1001 | CBF1001 |
| 72 | Spring | CBH2063 | CBH2063 |
| 73 | Spring | CBH1660 | CBH1660 |
| 74 | Spring | CBH1696 | CBH1696 |
| 75 | Connector | CKS2780 | CKS2780 |

| Mark No. Description | Part No. | |
|------------------------------|---------------|--------------|
| | KEH-P6600R/EW | KEX-P66R/EW |
| 76 Roller | CLA3247 | CLA3247 |
| 77 Arm | CNC7130 | CNC7130 |
| 78 Sheet | CNM5142 | CNM5142 |
| 79 Panel | CNS4432 | CNS4435 |
| 80 Holder | CNV2141 | CNV2141 |
| 81 Cover | CNV3965 | CNV3965 |
| 82 Holder | CNV4979 | CNV4979 |
| 83 Damper Unit | CXA7159 | CXA7159 |
| 84 Holder Unit | CXA7794 | CXA7794 |
| 85 Holder Unit | CXA9806 | CXA9806 |
| 86 Holder Unit | CXA9807 | CXA9807 |
| 87 Screw | IMS20P040FZK | IMS20P040FZK |
| 88 P.C.Board | CNP4720 | CNP4720 |
| 89 Cassette Mechanism Module | EXK3610 | EXK3610 |
| 90 Screw | BSZ26P050FMC | BSZ26P050FMC |
| 91 Cord | MDE9001 | MDE9001 |
| 92 Holder | MNC9001 | MNC9001 |
| 93 Holder | MNC9002 | MNC9002 |
| 94 Insulator | MNM9001 | MNM9001 |
| 95 Inverter Unit | MWM9011 | MWM9011 |
| 96 Plug(CN101) | CKS1224 | CKS1224 |
| 97 Connector(CN352) | ..... | CKS3598 |
| 98 Screw | CBA1284 | CBA1284 |
| 99 Handle | CNC5395 | CNC5395 |
| 100 Spring | CBH-865 | CBH-865 |
| 101 IC(IC551) | TDA7384A | ..... |
| 102 Transistor(Q641) | 2SD1189 | 2SD1189 |
| 103 Transistor(Q624) | 2SD2395 | 2SD2395 |
| * 104 Spacer | CNM5532 | CNM5532 |
| 105 Connector | ..... | CDE5344 |
| 106 Screw | BSZ30P050FMC | ..... |
| 107 Cord Assy | ..... | CDE5321 |
| 108 Fuse(4A) | ..... | CEK1001 |
| * 109 Cushion | CNM5486 | CNM5486 |
| 110 Spacer | CNM5488 | CNM5488 |

2.3 CASSETTE MECHANISM MODULE

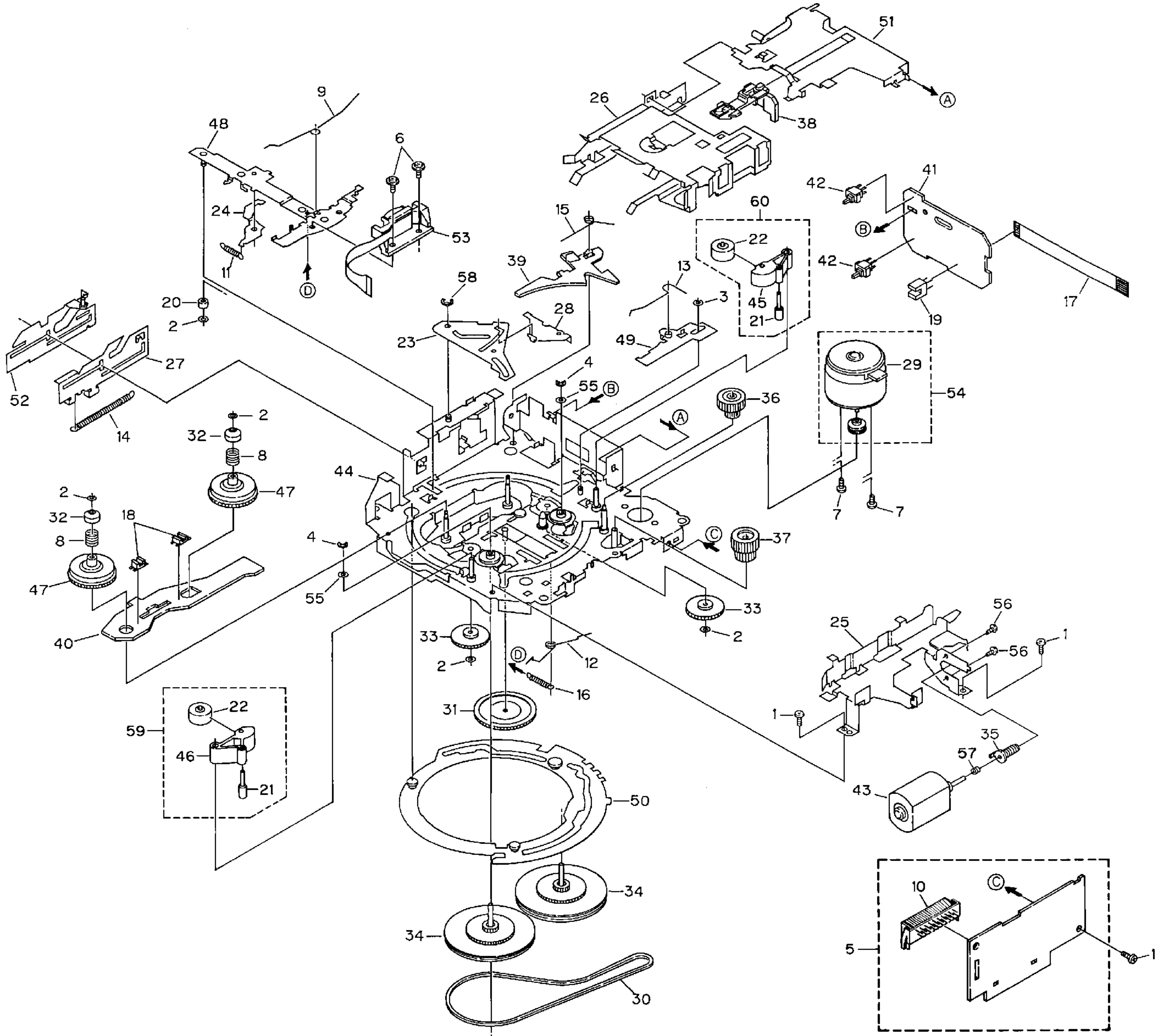


Fig. 5

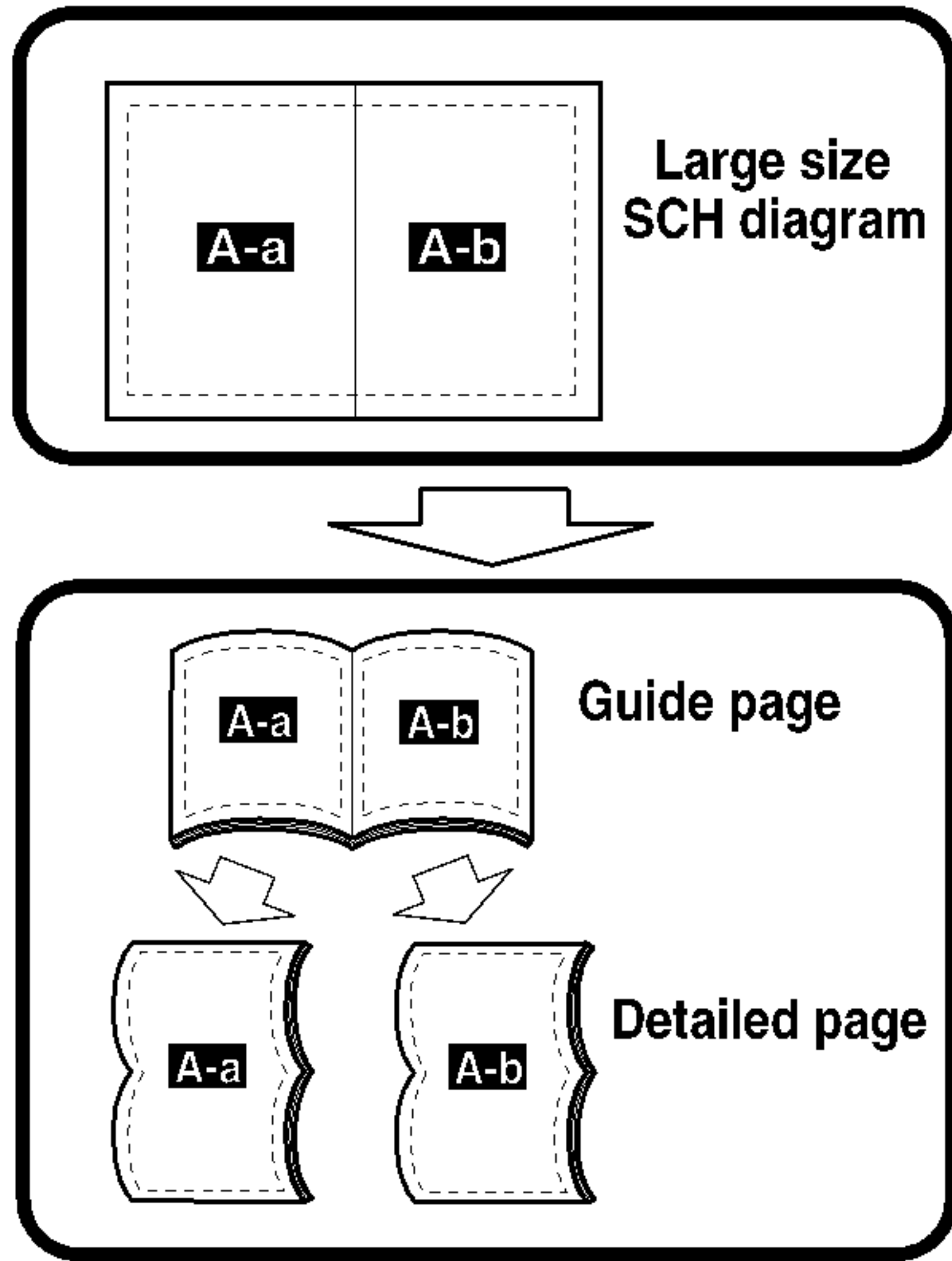
● **Parts List**

| Mark No. | Description | Part No. | Mark No. | Description | Part No. |
|----------|---------------------------|--------------|----------|---------------------|--------------|
| 1 | Screw | BSZ20P040FMC | 31 | Gear | ENV1347 |
| 2 | Washer | CBF1037 | 32 | Collar | ENV1508 |
| 3 | Washer | CBF1038 | 33 | Gear | ENV1350 |
| 4 | Washer | CBG1003 | 34 | Flywheel | ENV1516 |
| 5 | Deck Unit | EWM1010 | 35 | Worm Gear | ENV1439 |
| 6 | Screw | EBA1028 | 36 | Worm Wheel | ENV1440 |
| 7 | Screw | EBA1037 | 37 | Gear | ENR1028 |
| 8 | Spring | EBH1531 | 38 | Lever | ENV1442 |
| 9 | Spring | EBH1575 | 39 | Arm | ENV1445 |
| 10 | Plug(CN251) | CKS3540 | 40 | Gathering P.C.Board | ENX1037 |
| 11 | Spring | EBH1515 | 41 | Gathering P.C.Board | ENX1042 |
| 12 | Spring | EBH1587 | 42 | Switch(S1,S2) | ESG1004 |
| 13 | Spring | EBH1517 | 43 | Motor Unit(M2) | EXA1485 |
| 14 | Spring | EBH1518 | 44 | Chassis Unit | EXA1455 |
| 15 | Spring | EBH1519 | 45 | Pinch Holder | ENV1485 |
| 16 | Spring | EBH1537 | 46 | Pinch Holder | ENV1486 |
| 17 | Cord | EDD1020 | 47 | Reel Unit | EXA1456 |
| 18 | Photo-interrupter(EGN2,3) | EGN1006 | 48 | Head Base Unit | EXA1457 |
| 19 | Photo-interrupter(EGN1) | EGN1005 | 49 | Lever Unit | EXA1438 |
| 20 | Roller | ENR1031 | 50 | Gear Unit | EXA1436 |
| 21 | Shaft | ELA1373 | 51 | Frame Unit | EXA1458 |
| 22 | Pinch Roller | ENV1501 | 52 | Lever Unit | EXA1439 |
| 23 | Arm | ENC1396 | 53 | Head Assy(HD1) | EXA1506 |
| 24 | Arm | ENC1397 | 54 | Motor Unit(M1) | EXA1491 |
| 25 | Guide | ENC1481 | 55 | Washer | HBF-179 |
| 26 | Holder | ENC1417 | 56 | Screw | BMZ20P022FMC |
| 27 | Lever | ENC1448 | 57 | Spring | EBH1545 |
| 28 | Arm | ENC1401 | 58 | Washer | YE20FUC |
| 29 | Motor | EXM1028 | 59 | Pinch Holder Unit | EXA1501 |
| 30 | Belt | ENT1027 | 60 | Pinch Holder Unit | EXA1500 |

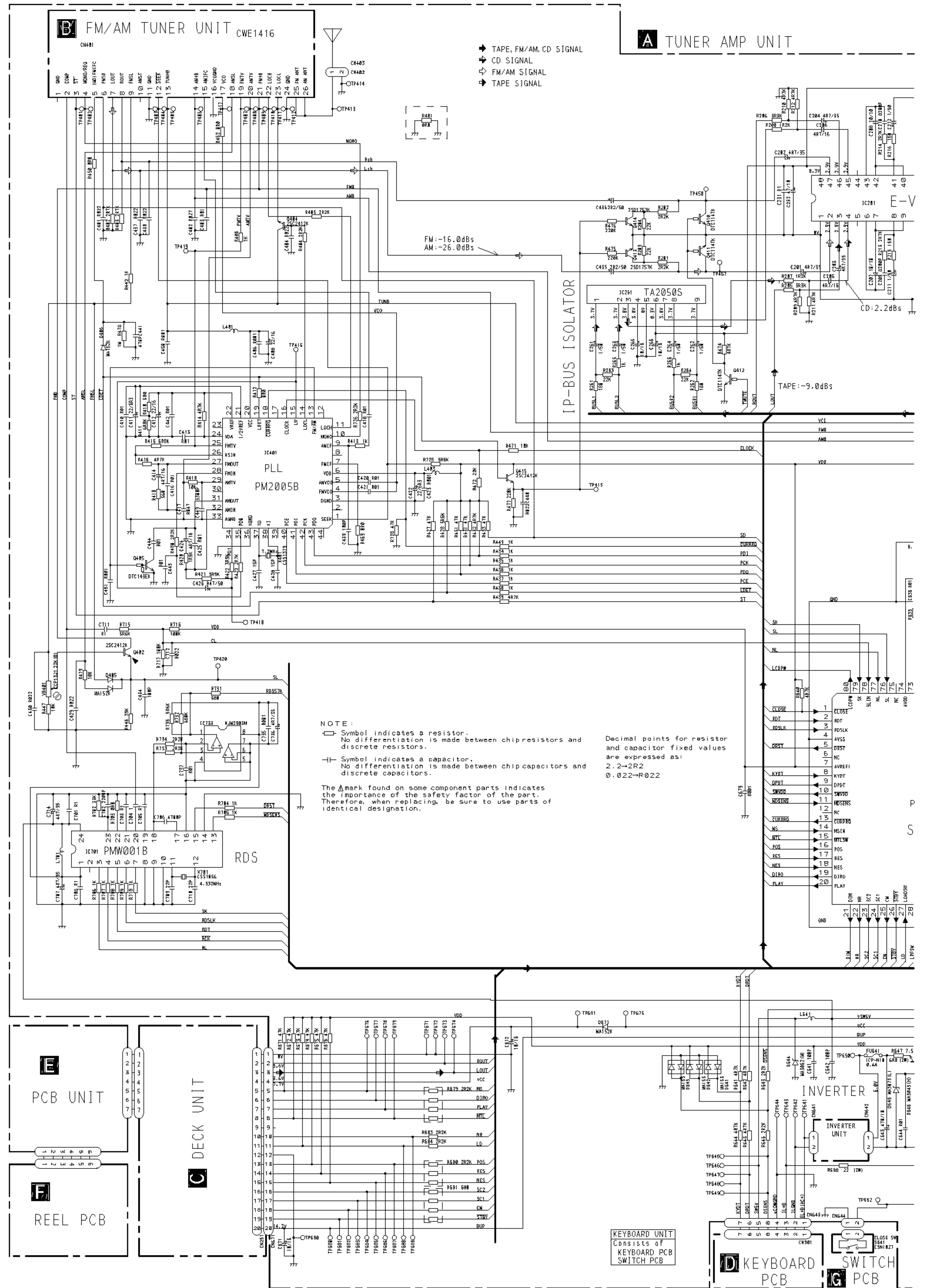
3. SCHEMATIC DIAGRAM

3.1 OVERALL CONNECTION DIAGRAM(GUIDE PAGE)

Note: When ordering service parts, be sure to refer to “EXPLODED VIEWS AND PARTS LIST” or “ELECTRICAL PARTS LIST”.



A-a



A-b

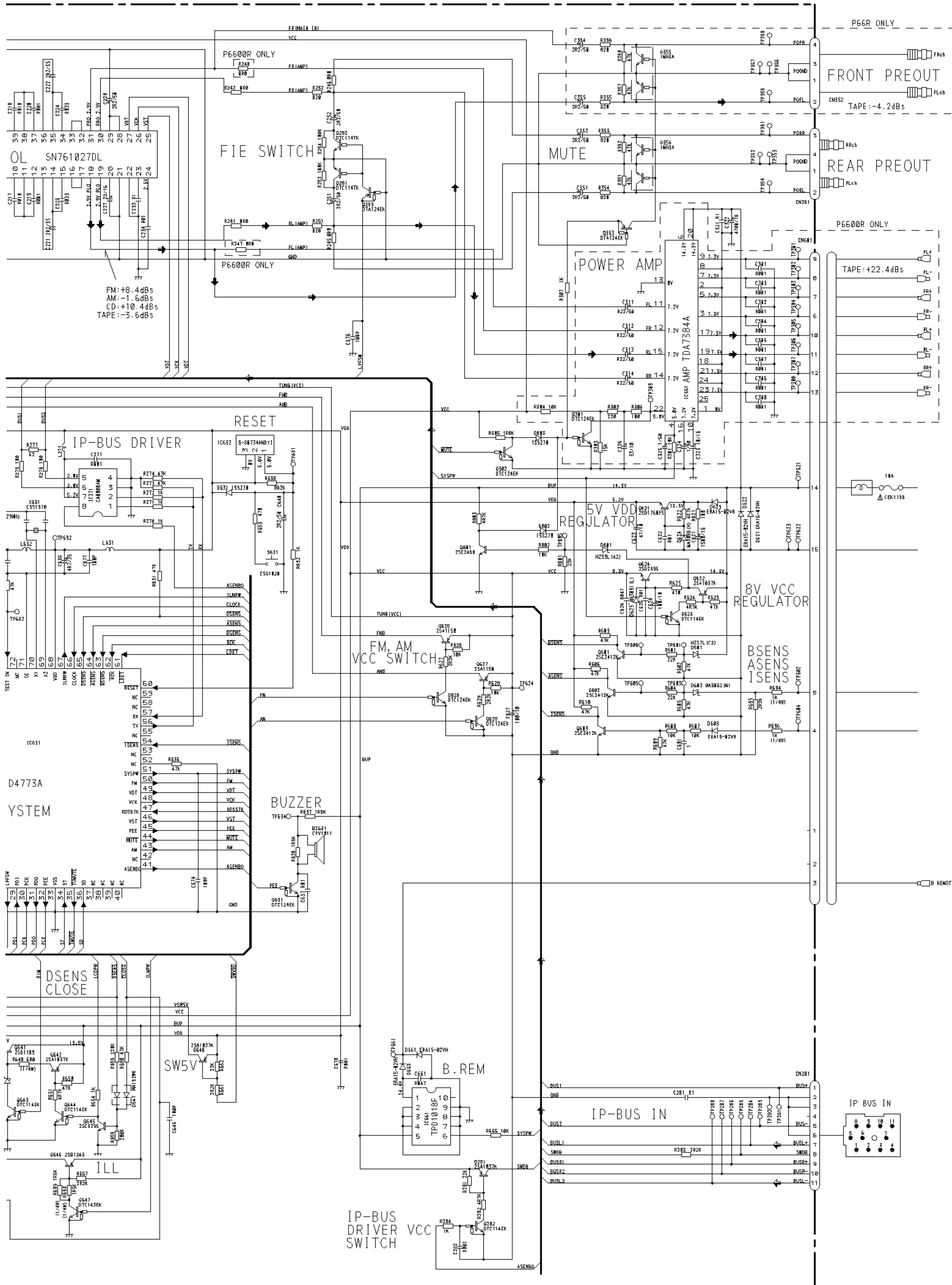
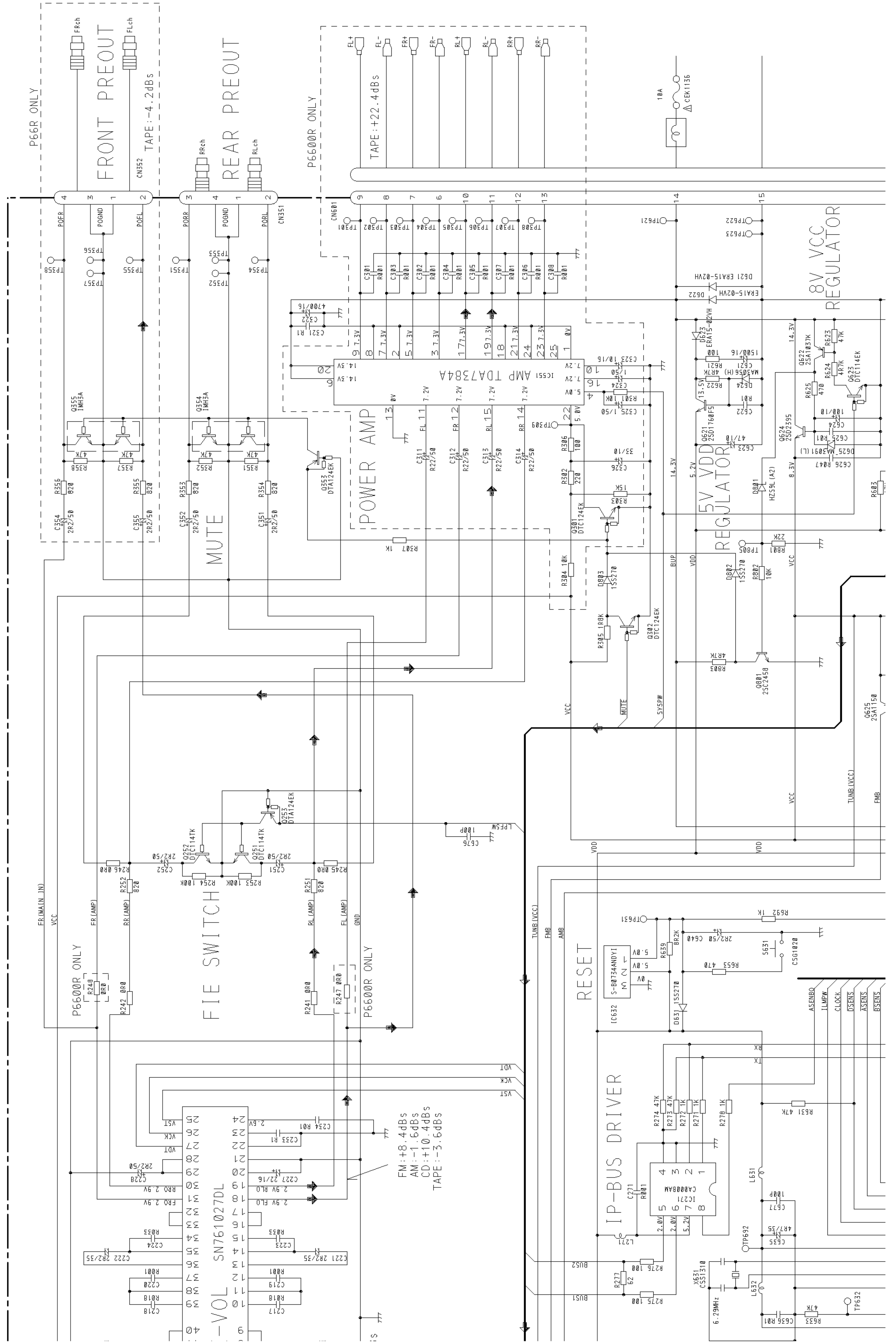


Fig. 6

A-a



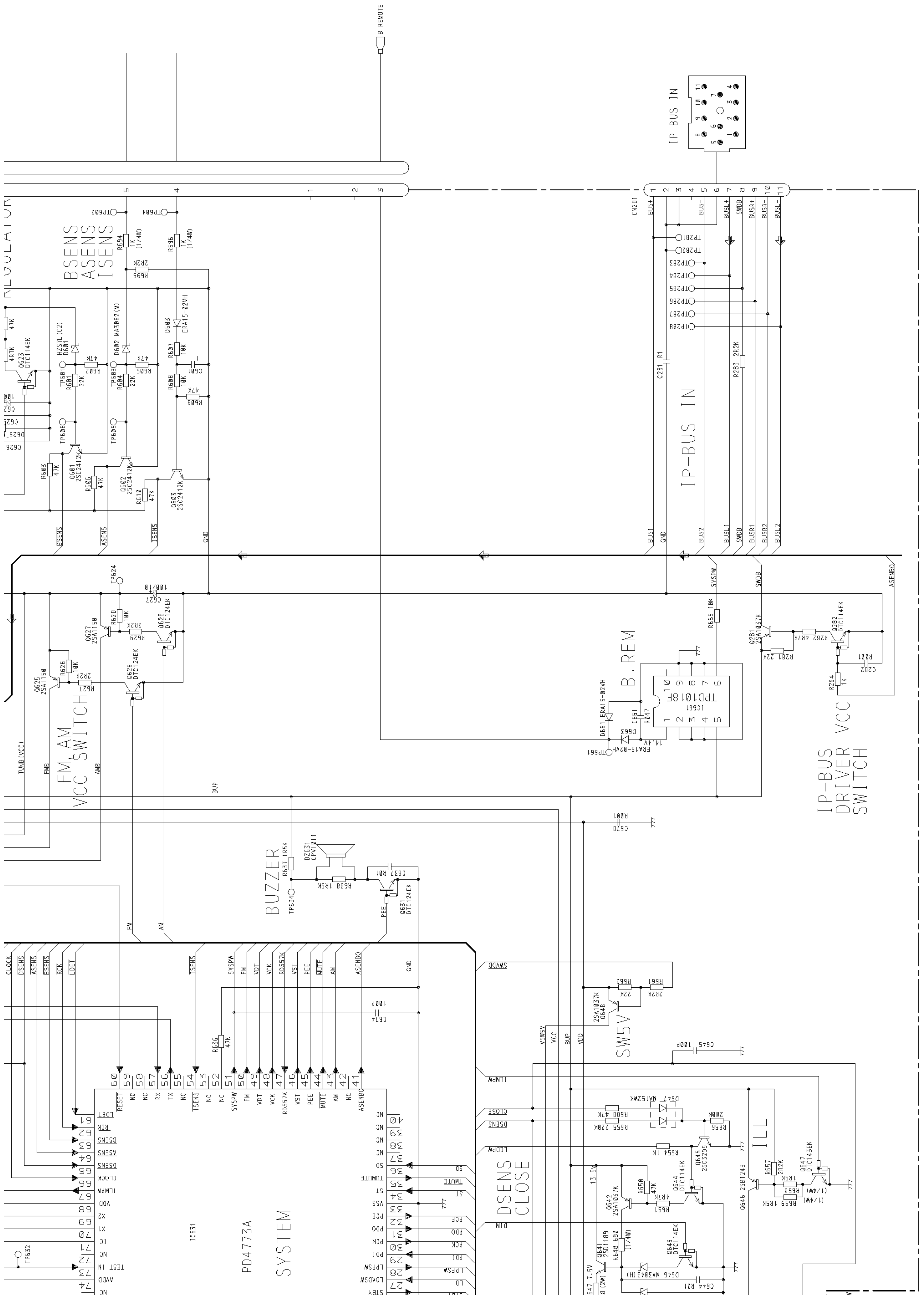
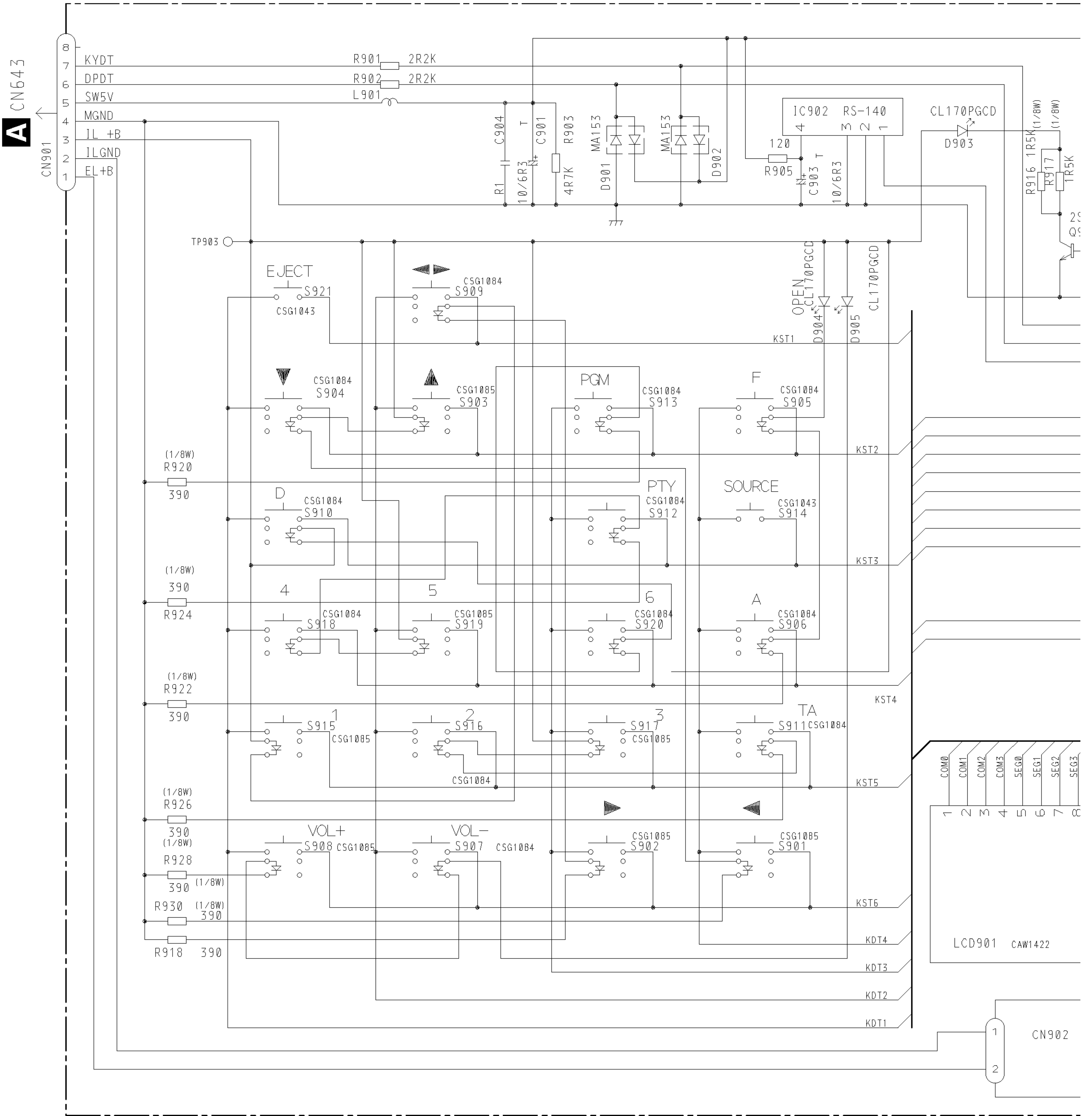


Fig. 8

3.2 KEYBOARD PCB

D KEYBOARD PCB



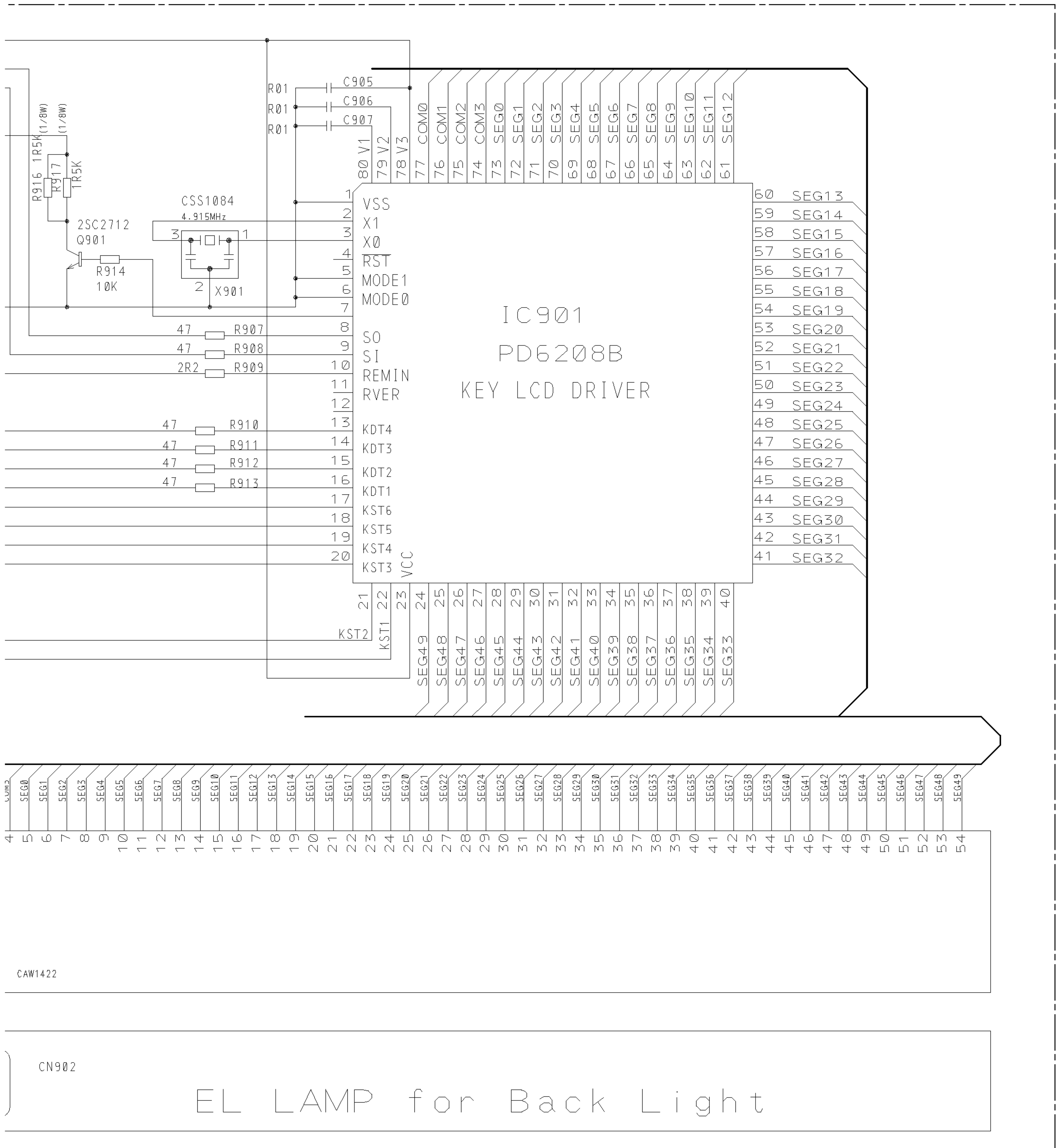
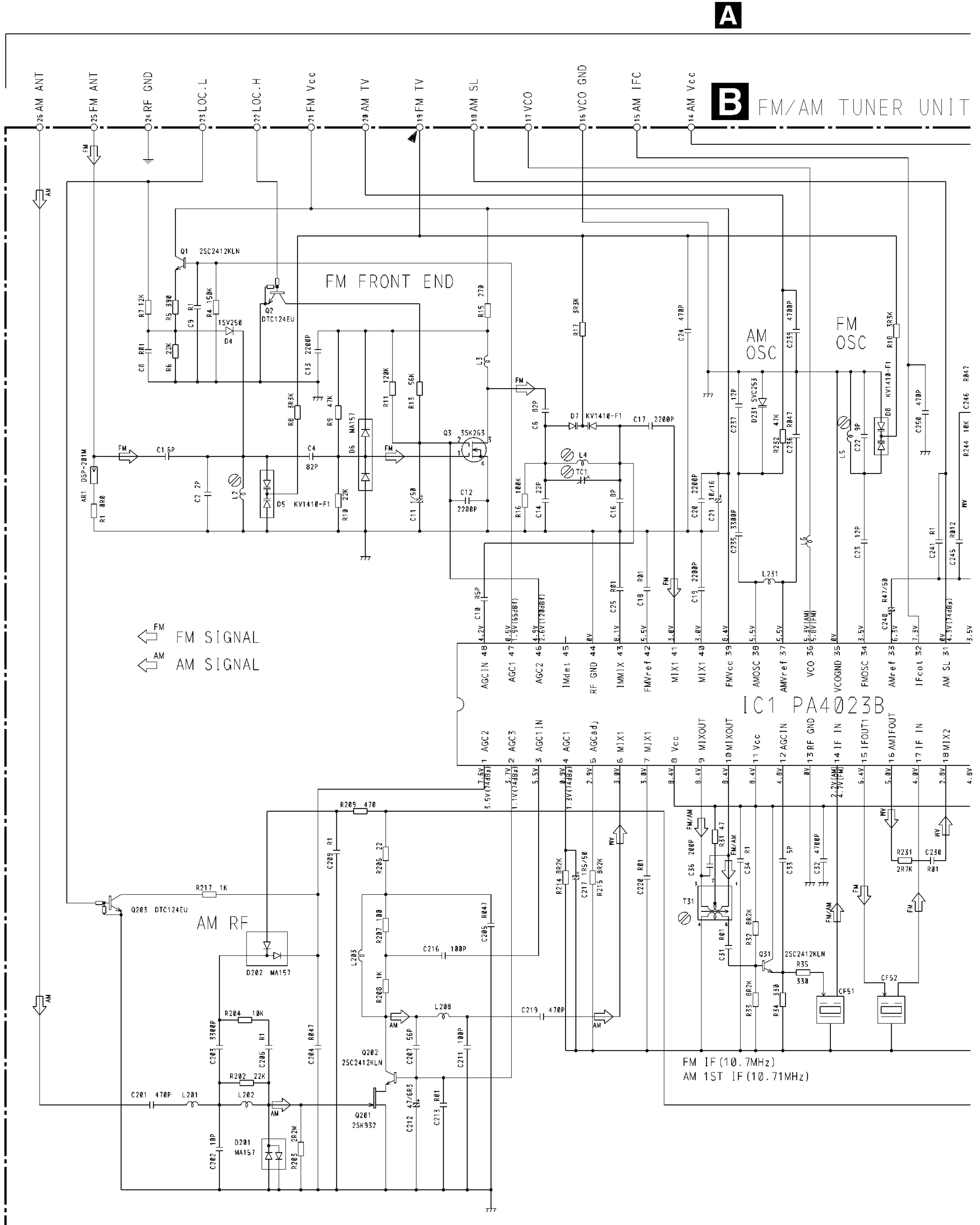


Fig. 9



3.3 FM/AM TUNER UNIT



A

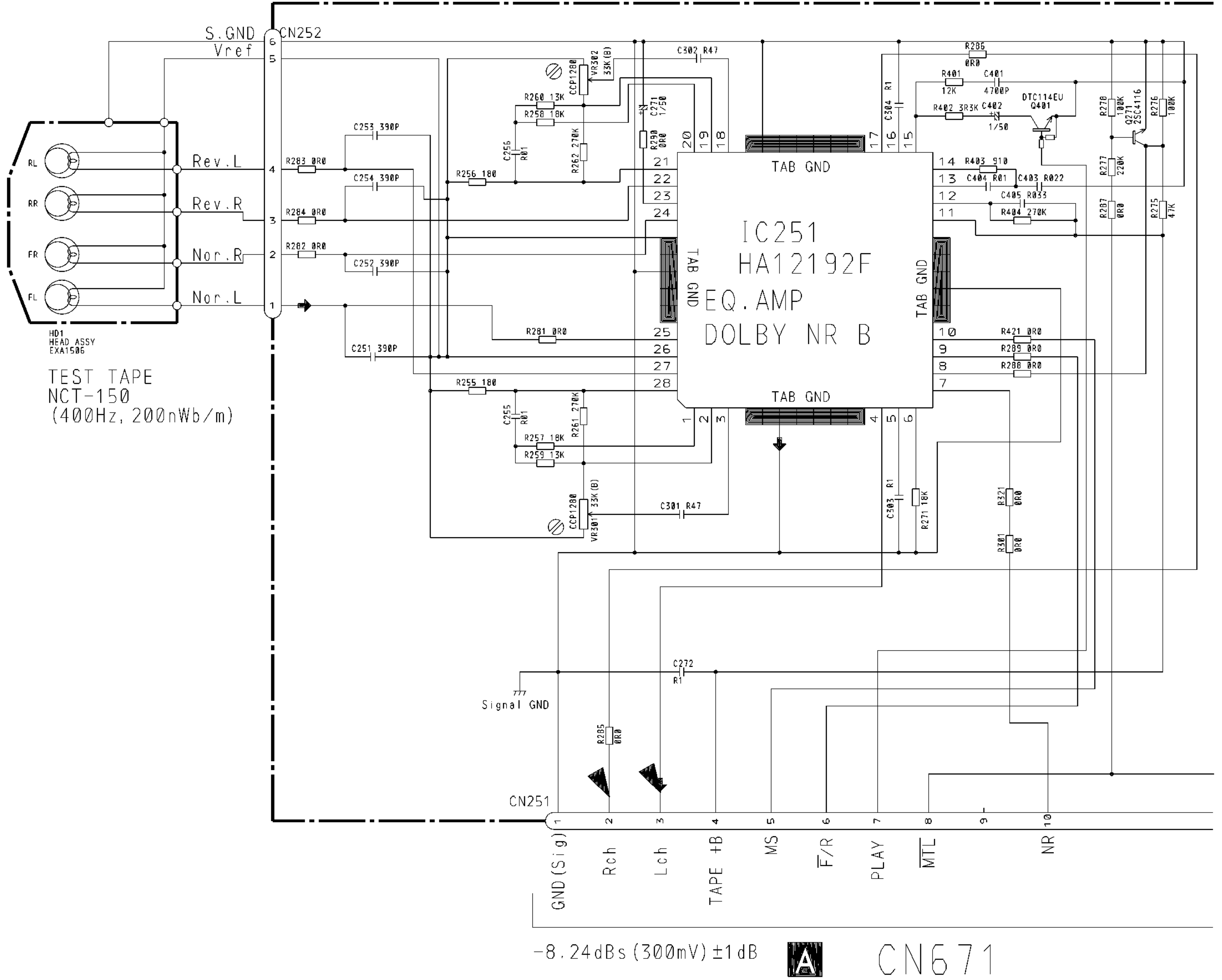
B

FM/AM TUNER UNIT

B

3.4 CASSETTE MECHANISM MODULE

C DECK UNIT



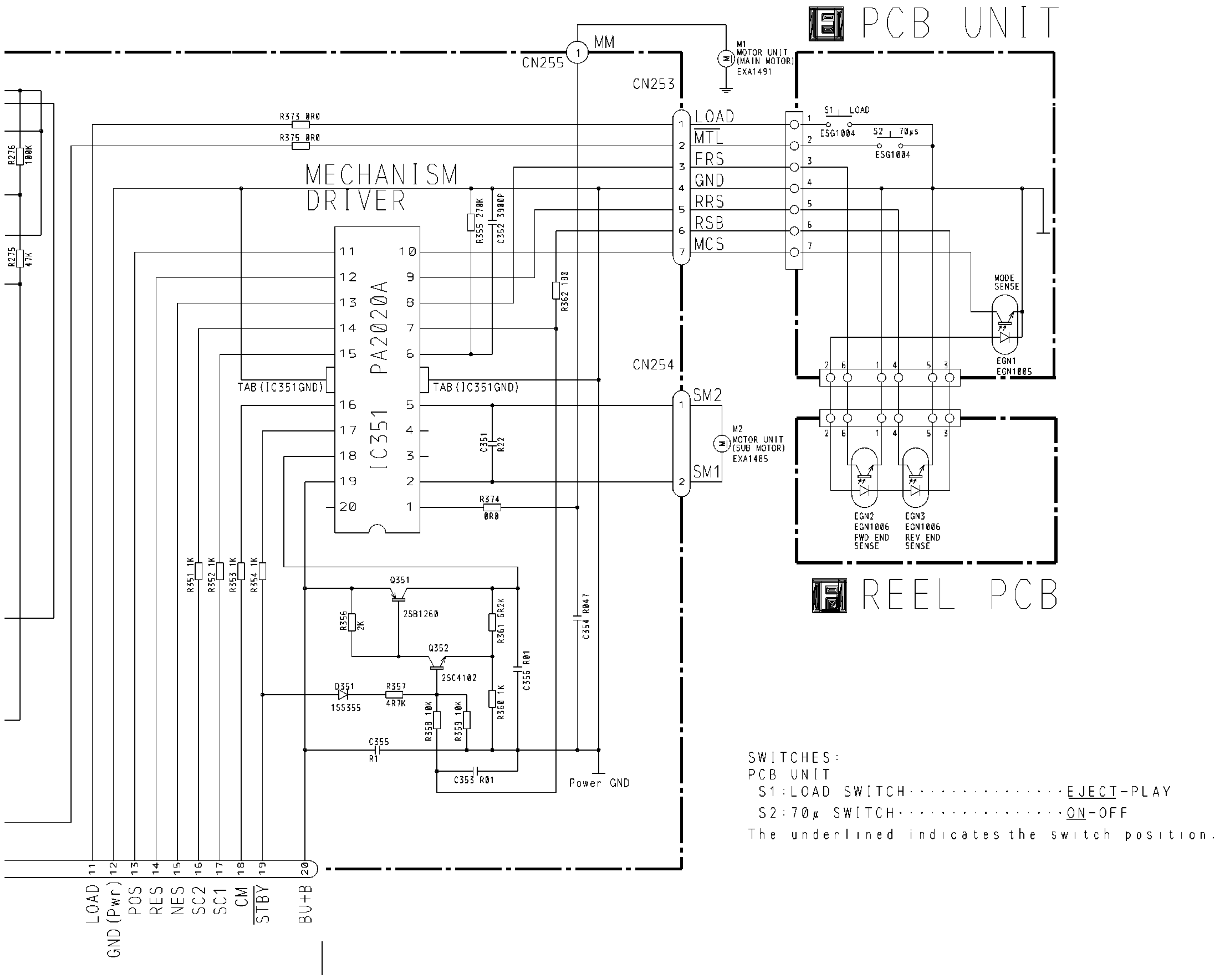


Fig. 11

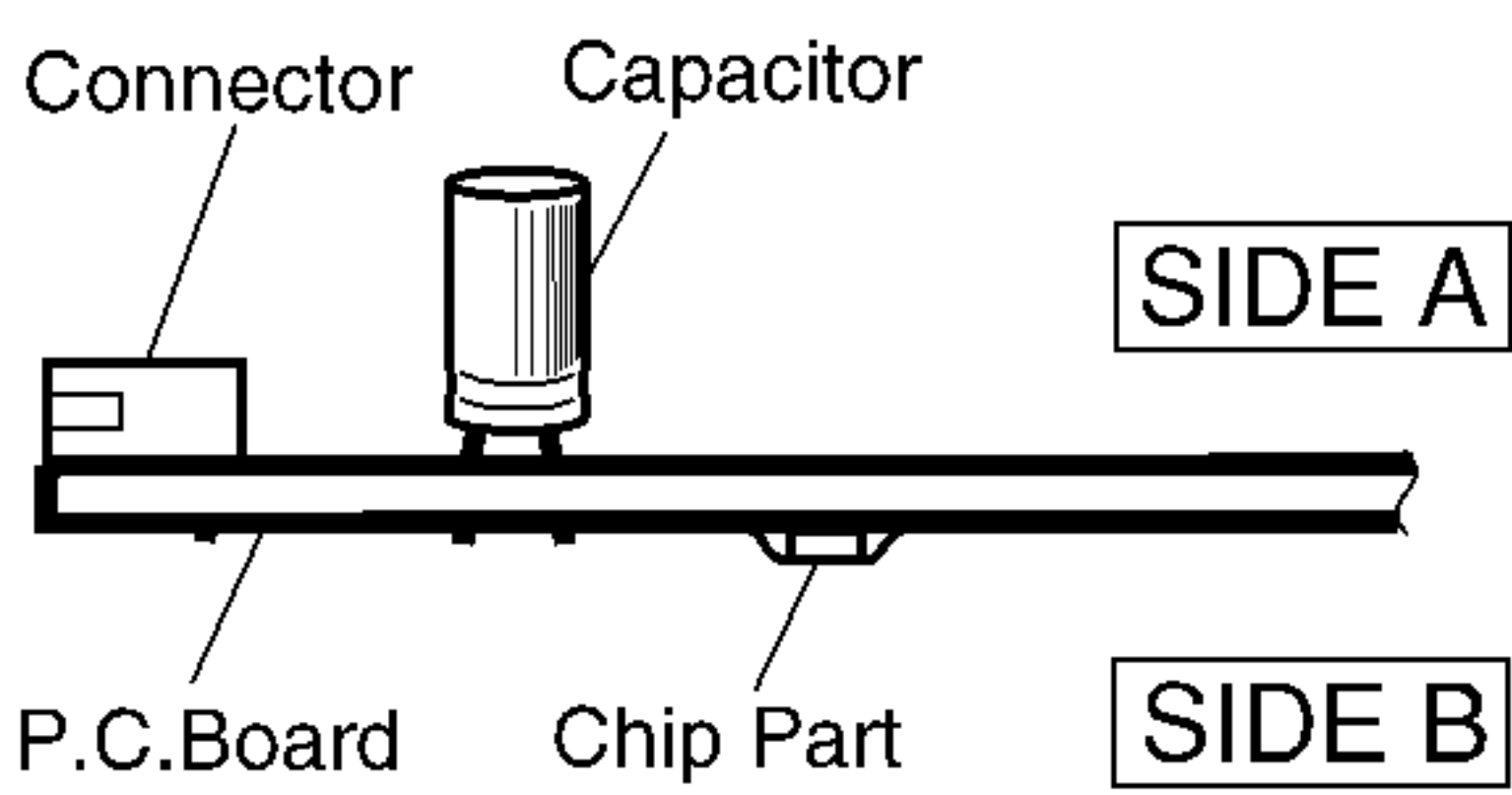
4. PCB CONNECTION DIAGRAM

4.1 TUNER AMP UNIT

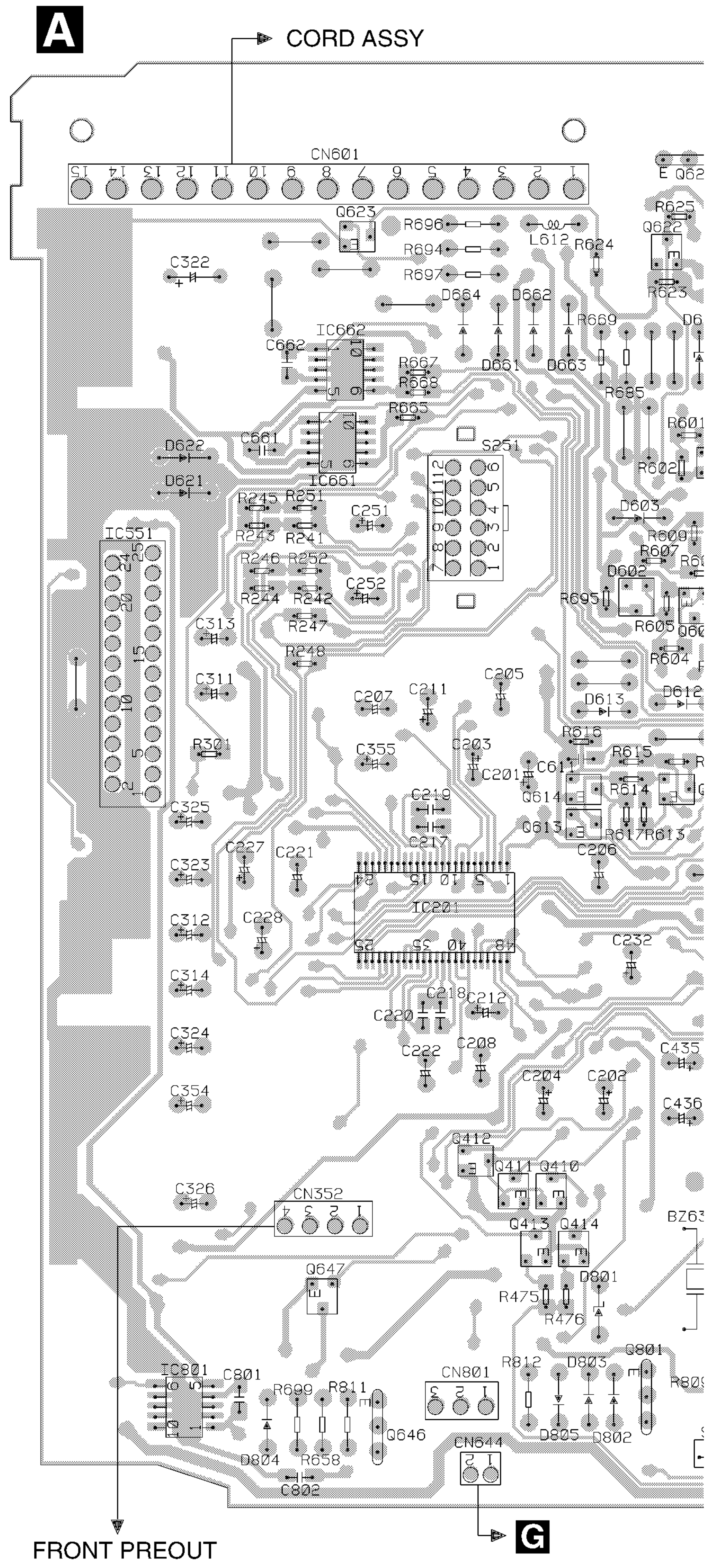
NOTE FOR PCB DIAGRAMS

1. The parts mounted on this PCB include all necessary parts for several destination.
For further information for respective destinations, be sure to check with the schematic diagram.

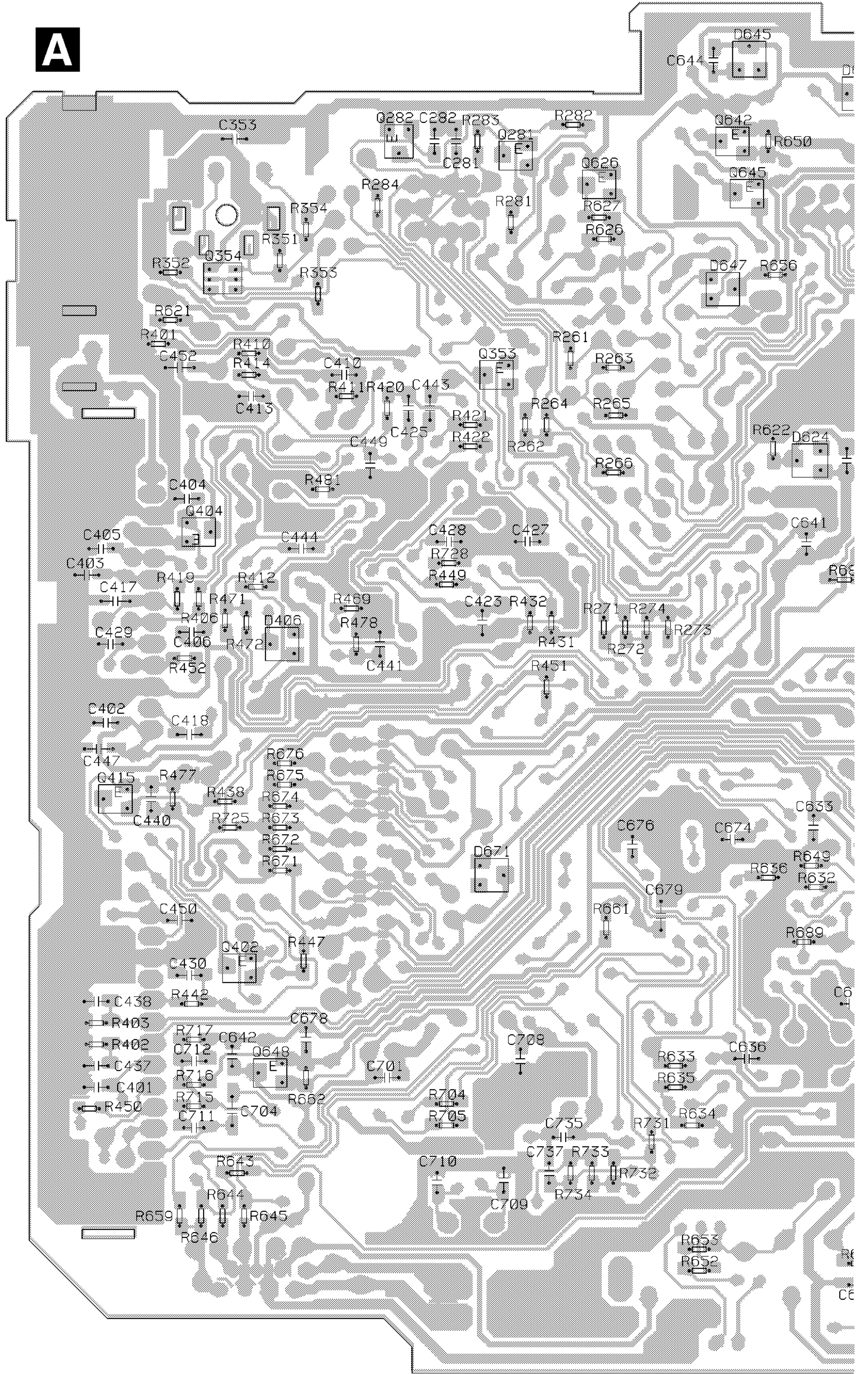
2. Viewpoint of PCB diagrams



| IC, Q | ADJ |
|-------|-------|
| Q641 | |
| Q624 | |
| Q623 | Q643 |
| Q628 | Q644 |
| Q622 | |
| Q627 | |
| IC662 | |
| Q625 | |
| IC261 | |
| Q601 | |
| Q621 | |
| IC661 | |
| IC271 | |
| IC551 | |
| Q603 | |
| Q405 | |
| Q602 | |
| IC401 | |
| Q612 | |
| Q614 | |
| Q613 | |
| IC201 | |
| IC631 | |
| Q412 | |
| IC701 | |
| Q411 | Q410 |
| Q414 | Q413 |
| Q647 | Q632 |
| Q802 | Q803 |
| IC632 | IC733 |
| Q801 | |
| IC801 | |
| Q646 | |

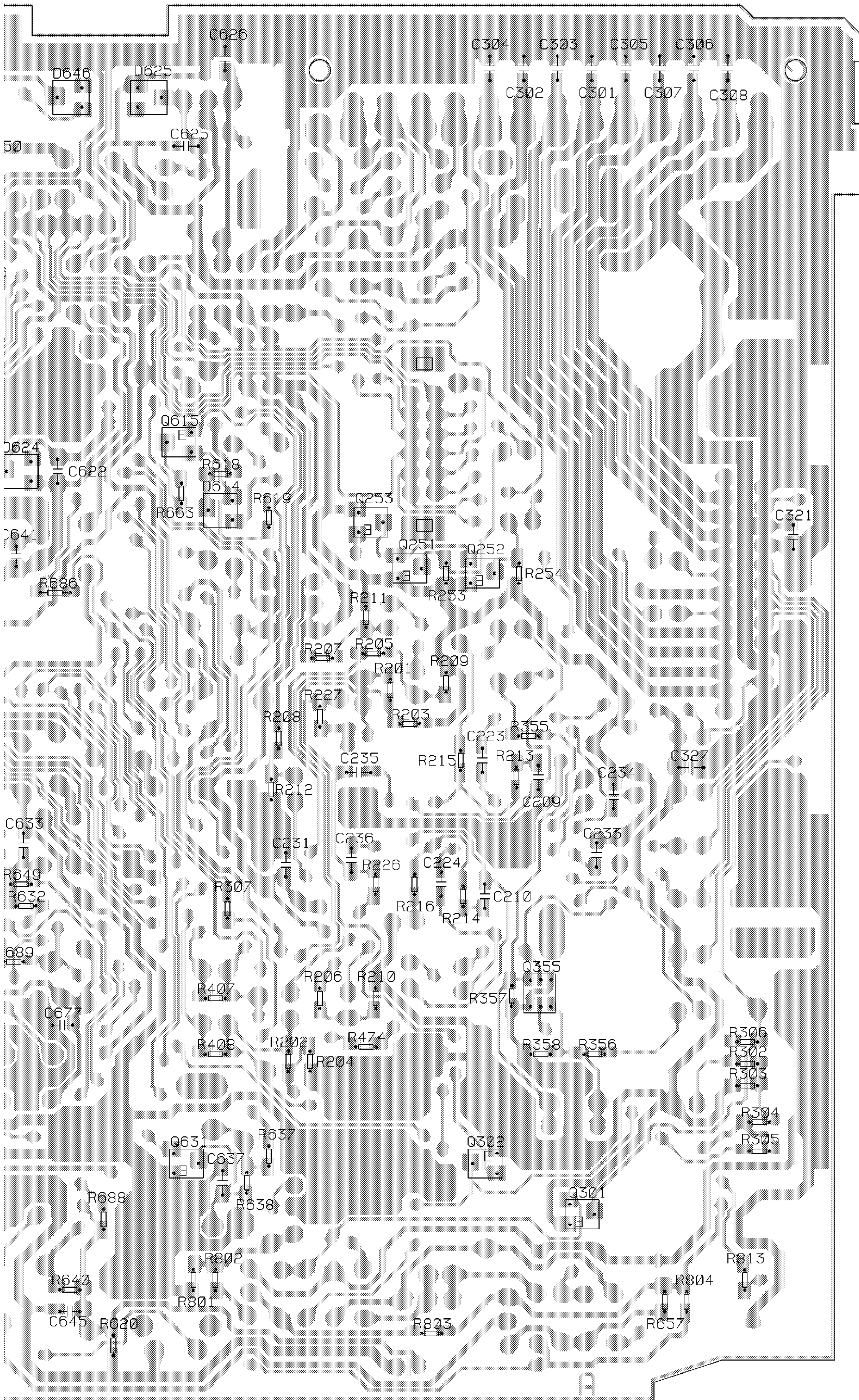


A



A

SIDE B



- Q282
- Q281 Q642
- Q626 Q645
- Q354
- Q353
- Q615
- Q253
- Q404
- Q251 Q252
- Q415
- Q402 Q355
- Q648
- Q302
- Q631
- Q301

Fig. 13

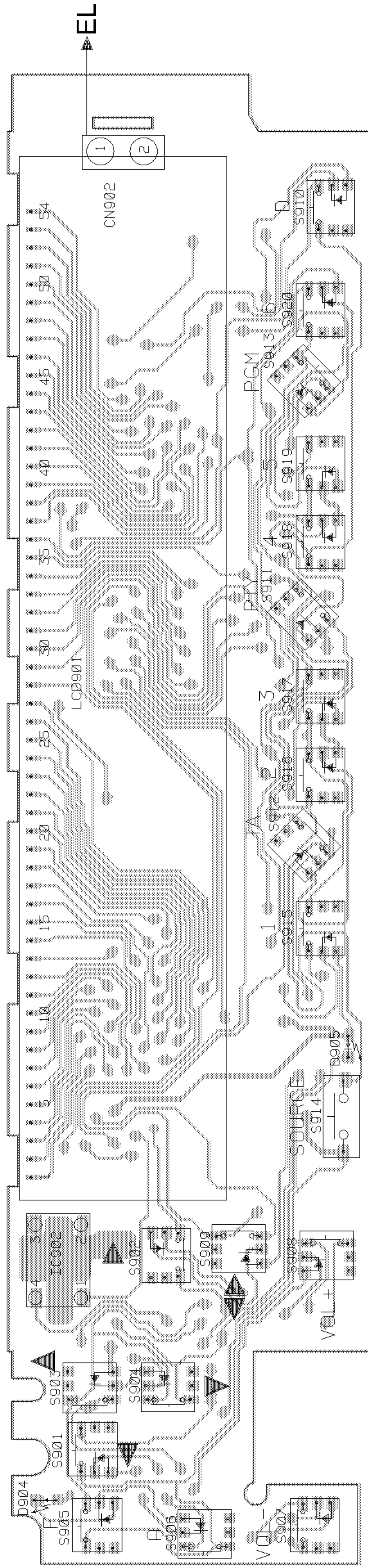
A

4.2 KEYBOARD PCB

IC, 0

IC902

D



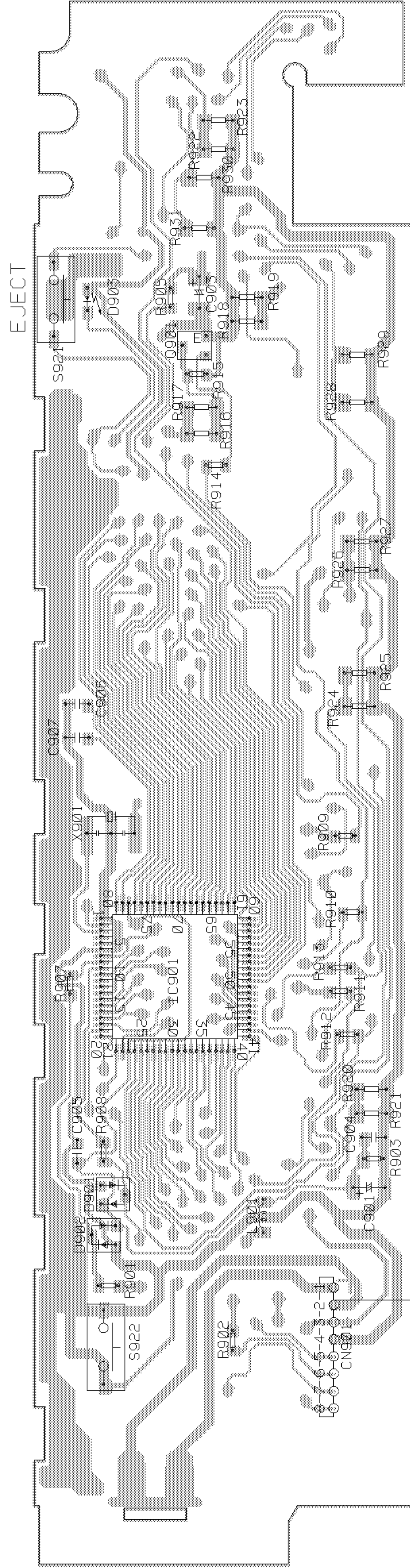
SIDE A

Fig. 14

IC, 0

IC901
0901

D



SIDE B

Fig. 15

4.3 SWITCH PCB

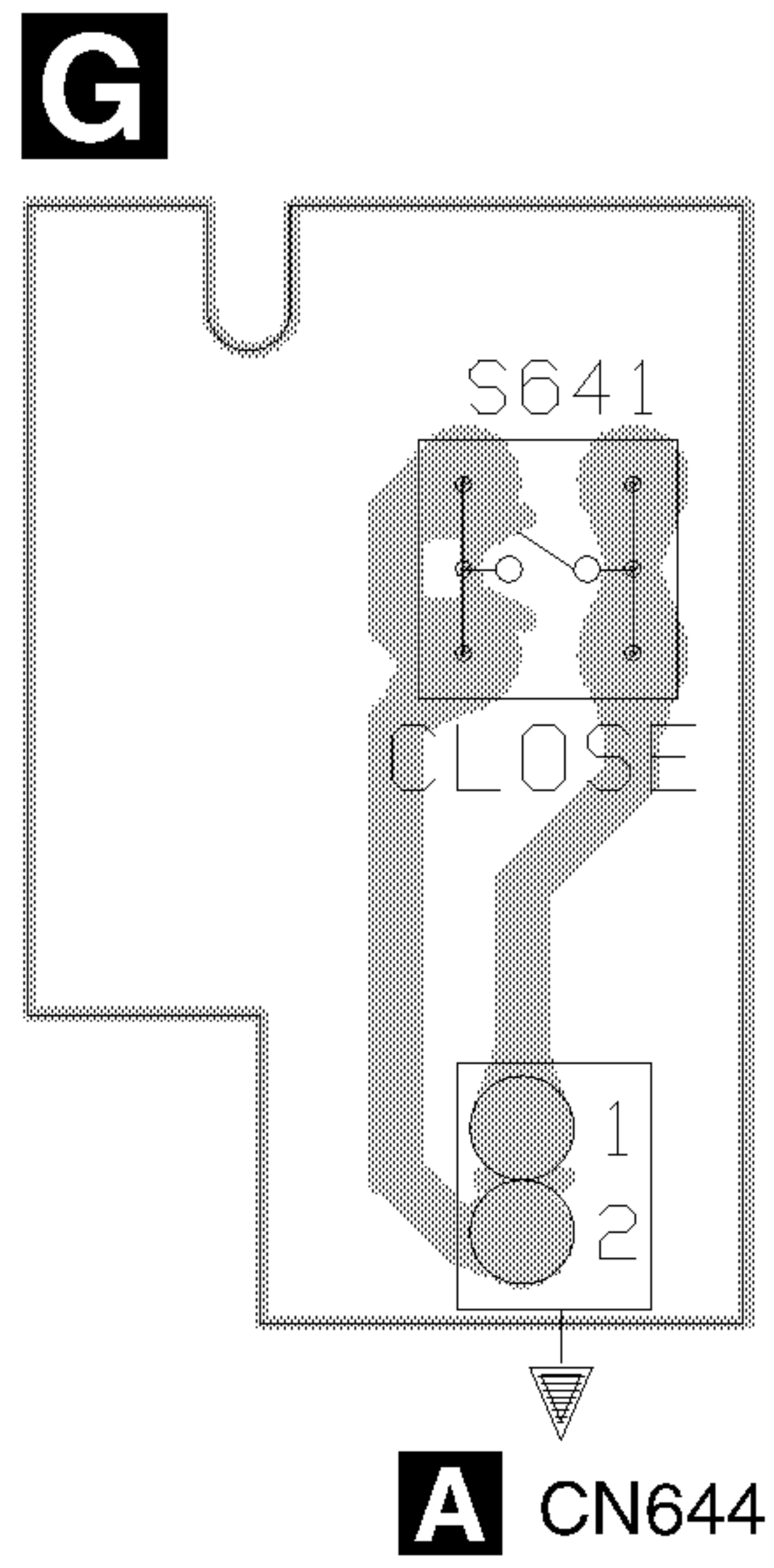
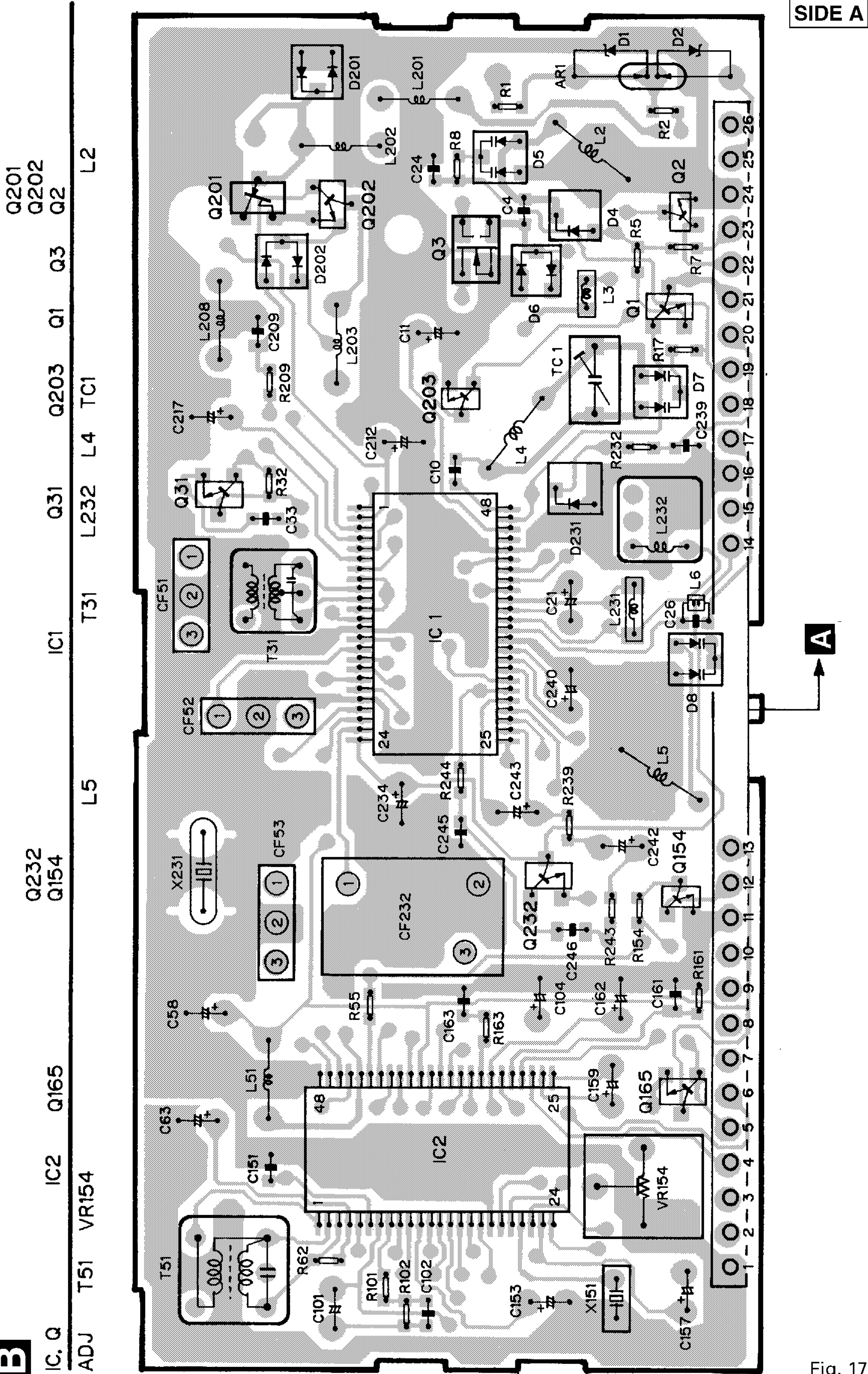


Fig. 16

4.4 FM/AM TUNER UNIT

B

B



SIDE A

A

Fig. 17

4.5 CASSETTE MECHANISM MODULE

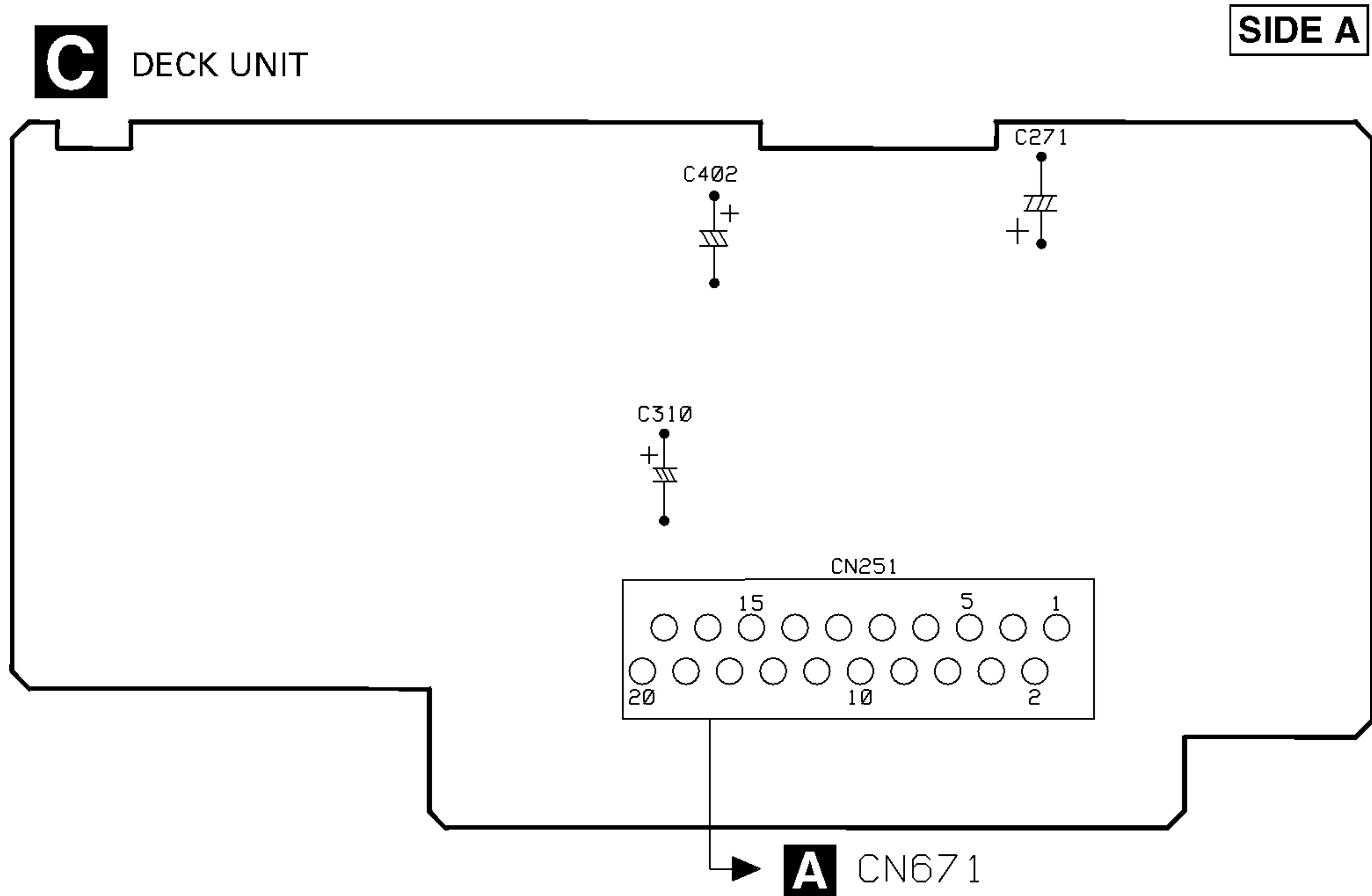


Fig. 19

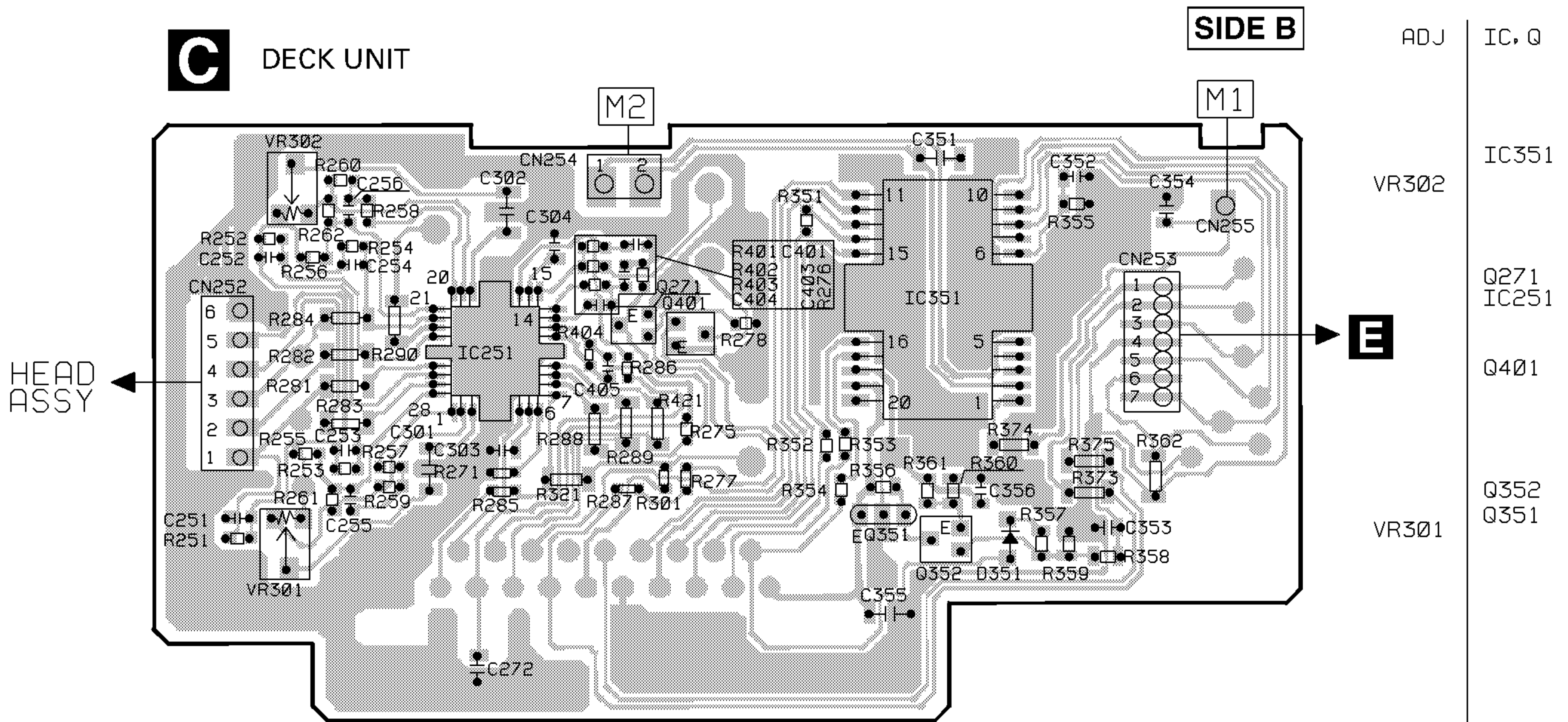


Fig. 20

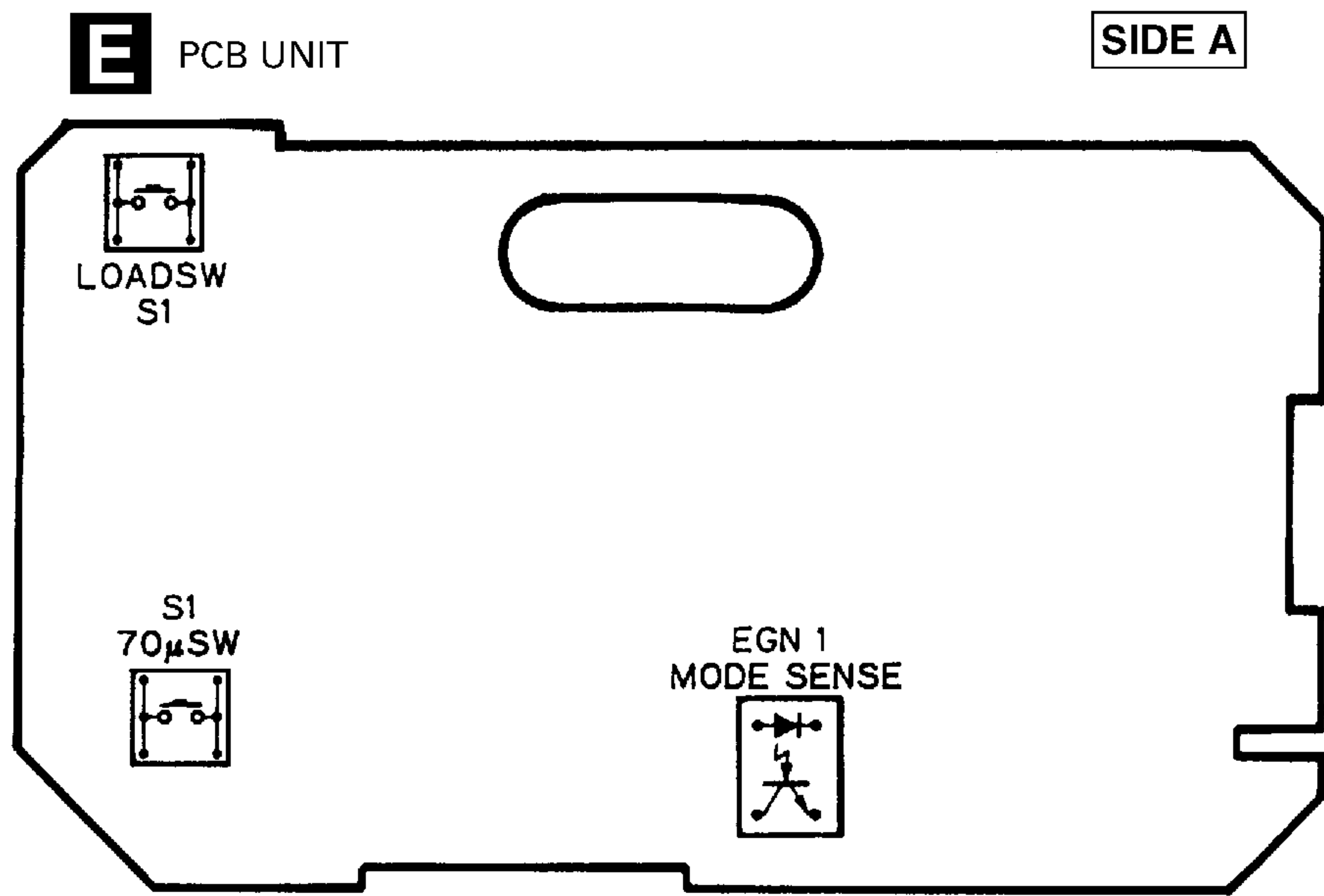


Fig. 21

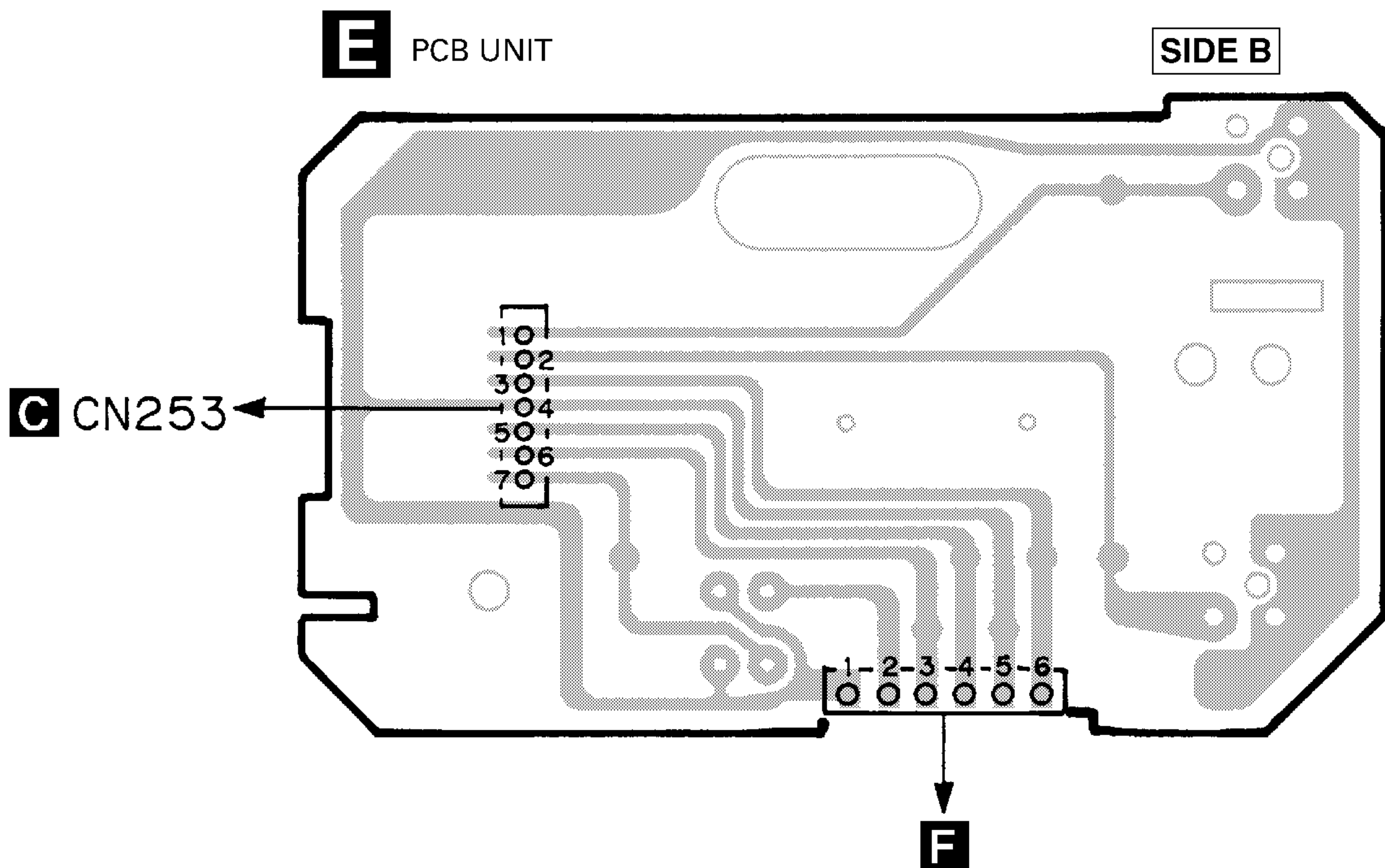


Fig. 22

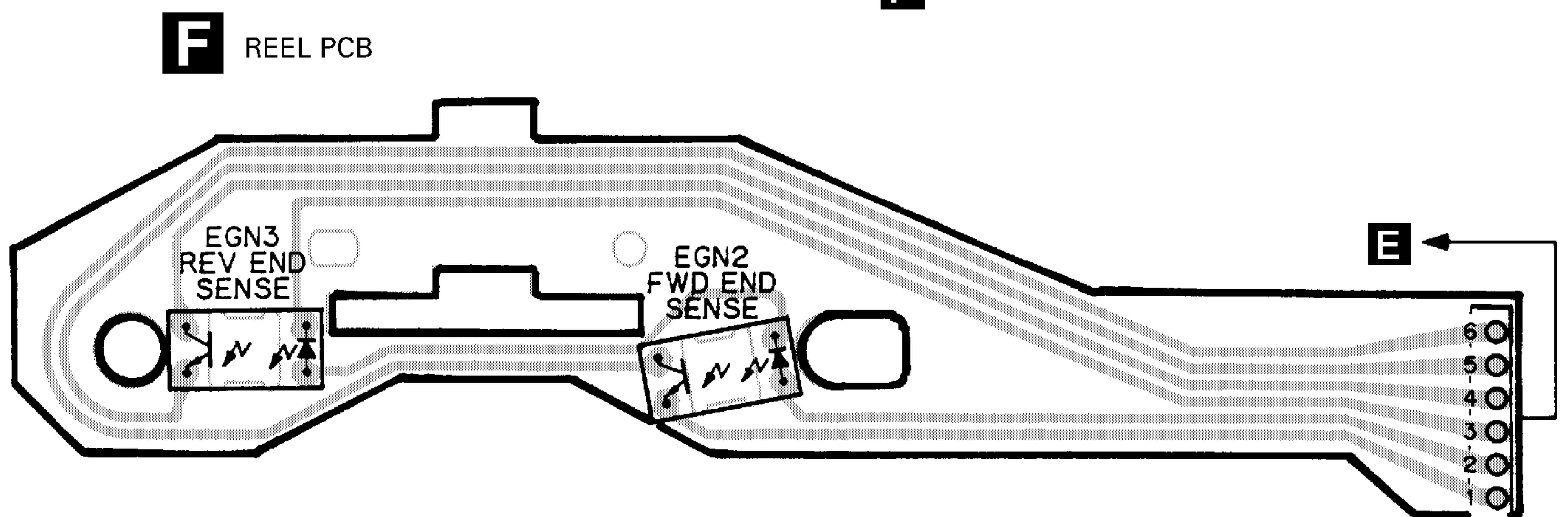


Fig. 23

5. ELECTRICAL PARTS LIST

NOTE:

- Parts whose parts numbers are omitted are subject to being not supplied.
- The part numbers shown below indicate chip components.

Chip Resistor

RS1/○S○○○○J,RS1/○○S○○○○J

Chip Capacitor (except for CQS.....)

CKS....., CCS....., CSZS.....

| ====Circuit Symbol & No.====Part Name | Part No. | ====Circuit Symbol & No.====Part Name | Part No. |
|---------------------------------------|--------------|---------------------------------------|-------------|
| B Unit Number :CWE1416 | | R 8 | RS1/16S332J |
| Unit Name :FM/AM Tuner Unit | | R 9 | RS1/16S473J |
| MISCELLANEOUS | | R 10 | RS1/16S223J |
| IC 1 IC | PA4023B | R 11 | RS1/16S124J |
| IC 2 IC | PA4024A | R 13 | RS1/16S563J |
| Q 1 Transistor | 2SC2412KLN | R 15 | RS1/16S271J |
| Q 2 Transistor | DTC124EU | R 16 | RS1/16S104J |
| Q 3 FET | 3SK263 | R 17 | RS1/16S332J |
| | | R 18 | RS1/16S332J |
| | | R 31 | RS1/16S470J |
| Q 31 Transistor | 2SC2412KLN | | |
| Q 154 Transistor | DTC124EU | R 32 | RS1/16S822J |
| Q 165 Transistor | 2SC2412KLN | R 33 | RS1/16S822J |
| Q 201 FET | 2SK932 | R 34 | RS1/16S331J |
| Q 202 Transistor | 2SC2412KLN | R 35 | RS1/16S331J |
| | | R 51 | RS1/16S271J |
| Q 203 Transistor | DTC124EU | | |
| D 4 Diode | 1SV250 | R 52 | RS1/16S560J |
| D 5 Diode | KV1410-F1 | R 55 | RS1/16S102J |
| D 6 Diode | MA157 | R 56 | RS1/16S823J |
| D 7 Diode | KV1410-F1 | R 61 | RS1/16S392J |
| | | R 62 | RS1/16S393J |
| D 8 Diode | KV1410-F1 | | |
| D 201 Diode | MA157 | R 101 | RS1/16S272J |
| D 202 Diode | MA157 | R 102 | RS1/16S682J |
| D 231 Diode | SVC253 | R 103 | RS1/16S333J |
| L 2 Coil | CTC1108 | R 104 | RS1/16S334J |
| | | R 105 | RS1/16S683J |
| L 3 Inductor | LCTB2R2K2125 | | |
| L 4 Coil | CTC1108 | R 107 | RS1/16S222J |
| L 5 Coil | CTC1107 | R 151 | RS1/16S222J |
| L 6 Inductor | LCTBR15K1608 | R 152 | RS1/16S393J |
| L 51 Ferri-Inductor | LAU150K | R 154 | RS1/16S104J |
| | | R 155 | RS1/16S273J |
| L 201 Ferri-Inductor | LAU4R7K | | |
| L 202 Ferri-Inductor | LAU330K | R 156 | RS1/16S243J |
| L 203 Inductor | CTF1287 | R 157 | RS1/16S203J |
| L 208 Inductor | LAU121K | R 160 | RS1/16S222J |
| L 231 Inductor | LCTA3R3J3225 | R 161 | RS1/16S563J |
| | | R 162 | RS1/16S105J |
| T 31 Coil | CTE1116 | | |
| T 51 Coil | CTC1136 | R 163 | RS1/16S222J |
| TC 1 Capacitor | CCL1038 | R 202 | RS1/16S223J |
| CF 51 Ceramic Filter | CTF1292 | R 203 | RS1/16S225J |
| CF 52 Ceramic Filter | CTF1292 | R 204 | RS1/16S103J |
| | | R 206 | RS1/16S220J |
| CF 53 Ceramic Filter | CTF1292 | | |
| CF 232 Ceramic Filter | CTF1348 | R 207 | RS1/16S101J |
| X 151 Resonator 920.5kHz | CSS1365 | R 208 | RS1/16S102J |
| X 231 Crystal Resonator 10.26MHz | CSS1111 | R 209 | RS1/16S471J |
| VR 154 Semi-fixed 150kΩ(B)M | CCP1213 | R 214 | RS1/16S822J |
| | | R 215 | RS1/16S822J |
| AR 1 Capacitor with Discharge Gap | DSP-201M | | |
| RESISTORS | | R 217 | RS1/16S102J |
| | | R 231 | RS1/16S272J |
| | | R 232 | RS1/16S473J |
| R 1 | RS1/16S0R0J | R 237 | RS1/16S103J |
| R 4 | RS1/16S154J | R 238 | RS1/16S104J |
| R 5 | RS1/16S391J | | |
| R 6 | RS1/16S223J | R 239 | RS1/16S104J |
| R 7 | RS1/16S123J | R 240 | RS1/16S332J |
| | | R 241 | RS1/16S202J |
| | | R 243 | RS1/16S123J |
| | | R 244 | RS1/16S103J |

| ====Circuit Symbol & No.====Part Name | Part No. | ====Circuit Symbol & No.====Part Name | Part No. |
|---------------------------------------|--------------|--|-------------------------------|
| R 247 | RS1/16S123J | C 212 | CEJA470M6R3 |
| CAPACITORS | | C 213 | CKSRYB103K25 |
| C 1 | CCSQCH6R0D50 | C 216 | CCSRCH101J50 |
| C 2 | CCSRCK2R0C50 | C 217 | CEJA1R5M50 |
| C 4 | CCSRCH820J50 | C 219 | CCSRCH471J50 |
| C 6 | CCSRCH820J50 | C 220 | CKSRYB103K25 |
| C 8 | CKSRYB103K25 | C 230 | CKSRYB103K25 |
| C 9 | CKSQYB104K16 | C 231 | CCSRCH330J50 |
| C 10 | CCSRCKR50C50 | C 232 | CCSRCH150J50 |
| C 11 | CEJA1R0M50 | C 233 | CKSQYB104K16 |
| C 12 | CKSRYB222K50 | C 234 | CEJA330M10 |
| C 13 | CKSRYB222K50 | C 235 | CKSRYB332K50 |
| C 14 | CCSRCH220J50 | C 236 | CKSQYB473K16 |
| C 16 | CCSRCH8R0D50 | C 237 | CCSRCH120J50 |
| C 17 | CKSRYB222K50 | C 239 | CKSRYB472K50 |
| C 18 | CKSRYB103K25 | C 240 | CEJAR47M50 |
| C 19 | CKSRYB222K50 | C 241 | CKSQYB104K16 |
| C 20 | CKSRYB222K50 | C 242 | CEJAR47M50 |
| C 21 | CEJA100M16 | C 243 | CEJAR33M50 |
| C 22 | CCSRTH9R0D50 | C 244 | CKSQYB473K16 |
| C 23 | CCSRTH120J50 | C 245 | CKSRYB123K25 |
| C 24 | CCSRCH471J50 | C 246 | CKSQYB473K16 |
| C 25 | CKSRYB103K25 | C 250 | CCSRCH471J50 |
| C 31 | CKSRYB103K25 | <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;">A</div> <div> Unit Number :CWM5318(KEH-P6600R/EW) Unit Name :Tuner Amp Unit </div> </div> | |
| C 32 | CKSQYB472K50 | | |
| C 33 | CCSRCH5R0C50 | MISCELLANEOUS | |
| C 34 | CKSQYB104K16 | IC 201 | IC SN761027DL |
| C 36 | CCSRRH201J50 | IC 261 | IC TA2050S |
| C 51 | CKSRYB223K25 | IC 271 | IC CA0008AM |
| C 52 | CKSRYB103K25 | IC 401 | IC PM2005B |
| C 54 | CCSRCH470J50 | IC 551 | IC See Contrast Table |
| C 55 | CKSQYB223K25 | IC 631 | IC PD4773A |
| C 56 | CKSQYB104K16 | IC 632 | IC S-80734ANDYI |
| C 57 | CKSRYB472K50 | IC 661 | IC TPD1018F |
| C 58 | CEJA330M10 | IC 701 | IC PMW001B |
| C 59 | CKSRYB103K25 | IC 733 | IC NJM2903M |
| C 61 | CCSRCH270J50 | Q 251 | Transistor DTC114TK |
| C 62 | CKSRYB103K25 | Q 252 | Transistor DTC114TK |
| C 63 | CEJAR15M50 | Q 253 | Transistor DTA124EK |
| C 101 | CEJANP100M10 | Q 281 | Transistor 2SA1037K |
| C 102 | CKSRYB182K50 | Q 282 | Transistor DTC114EK |
| C 103 | CKSRYB682K25 | Q 301 | Transistor See Contrast Table |
| C 104 | CEJA2R2M50 | Q 302 | Transistor DTC124EK |
| C 105 | CKSRYB103K25 | Q 353 | Transistor DTA124EK |
| C 106 | CCSRCH151J50 | Q 354 | Transistor IMH3A |
| C 107 | CKSRYB103K25 | Q 402 | Transistor 2SC2412K |
| C 151 | CKSRYB472K50 | Q 404 | Transistor 2SC2412K |
| C 152 | CKSQYB104K16 | Q 405 | Transistor DTC143EK |
| C 153 | CEJA3R3M50 | Q 410 | Transistor DTC114TK |
| C 154 | CKSQYB104K16 | Q 411 | Transistor DTC114TK |
| C 157 | CEJA3R3M50 | Q 412 | Transistor DTC114TK |
| C 158 | CKSYB474K16 | Q 413 | Transistor 2SD1757K |
| C 159 | CEJA220M6R3 | Q 414 | Transistor 2SD1757K |
| C 160 | CKSQYB104K16 | Q 415 | Transistor 2SC2412K |
| C 161 | CKSQYB104K16 | Q 601 | Transistor 2SC2412K |
| C 162 | CEJA3R3M50 | Q 602 | Transistor 2SC2412K |
| C 163 | CKSRYB102K50 | Q 603 | Transistor 2SC2412K |
| C 170 | CCSRCH100D50 | Q 621 | Transistor 2SD1760F5 |
| C 201 | CCSRCH471J50 | Q 622 | Transistor 2SA1037K |
| C 202 | CCSRCH100D50 | Q 623 | Transistor DTC114EK |
| C 203 | CKSRYB332K50 | Q 624 | Transistor 2SD2395 |
| C 204 | CKSQYB473K16 | Q 625 | Transistor 2SA1150 |
| C 205 | CKSQYB473K16 | Q 626 | Transistor DTC124EK |
| C 206 | CKSQYB104K16 | Q 627 | Transistor 2SA1150 |
| C 207 | CCSRCH560J50 | Q 628 | Transistor DTC124EK |
| C 209 | CKSQYB104K16 | Q 631 | Transistor DTC124EK |
| C 211 | CCSRCH101J50 | | |

KEH-P6600R, KEX-P66R

| ====Circuit Symbol & No.====Part Name | Part No. | ====Circuit Symbol & No.====Part Name | Part No. |
|---------------------------------------|-------------|---------------------------------------|--------------------|
| Q 641 Transistor | 2SD1189 | R 216 | RS1/10S151J |
| Q 642 Transistor | 2SA1037K | R 241 | RS1/10S0R0J |
| Q 643 Transistor | DTC114EK | R 242 | RS1/10S0R0J |
| Q 644 Transistor | DTC114EK | R 245 | RS1/10S0R0J |
| Q 645 Transistor | 2SC3295 | R 246 | RS1/10S0R0J |
| Q 646 Transistor | 2SB1243 | R 247 | See Contrast Table |
| Q 647 Transistor | DTC143EK | R 248 | See Contrast Table |
| Q 648 Transistor | 2SA1037K | R 251 | RS1/10S821J |
| Q 801 Transistor | 2SC2458 | R 252 | RS1/10S821J |
| D 405 Diode | MA152K | R 253 | RS1/10S104J |
| D 406 Diode | MA152K | R 254 | RS1/10S104J |
| D 601 Diode | HZS7L(C2) | R 261 | RS1/10S181J |
| D 602 Diode | MA3062(M) | R 262 | RS1/10S181J |
| D 603 Diode | ERA15-02VH | R 263 | RS1/10S223J |
| D 621 Diode | ERA15-02VH | R 264 | RS1/10S223J |
| D 622 Diode | ERA15-02VH | R 265 | RS1/10S102J |
| D 623 Diode | ERA15-02VH | R 266 | RS1/10S102J |
| D 624 Diode | MA3056(H) | R 271 | RS1/10S102J |
| D 625 Diode | MA3091(L) | R 272 | RS1/10S102J |
| D 631 Diode | 1SS270 | R 273 | RS1/10S473J |
| D 641 Diode | MA153 | R 274 | RS1/10S473J |
| D 642 Diode | MA153 | R 275 | RS1/10S101J |
| D 643 Diode | MA153 | R 276 | RS1/10S101J |
| D 644 Diode | MA3062(M) | R 277 | RS1/10S620J |
| D 645 Diode | MA3075(L) | R 278 | RS1/10S102J |
| D 646 Diode | MA3043(H) | R 281 | RS1/10S223J |
| D 647 Diode | MA152WK | R 282 | RS1/10S472J |
| D 661 Diode | ERA15-02VH | R 283 | RS1/10S222J |
| D 663 Diode | ERA15-02VH | R 284 | RS1/10S102J |
| D 671 Diode | MA152K | R 301 | See Contrast Table |
| D 801 Diode | HZS9L(A2) | R 302 | See Contrast Table |
| D 802 Diode | 1SS270 | R 303 | See Contrast Table |
| D 803 Diode | 1SS270 | R 304 | See Contrast Table |
| L 271 Ferri-Inductor | LAU2R2K | R 305 | RS1/10S182J |
| L 401 Ferri-Inductor | LAU2R2K | R 306 | See Contrast Table |
| L 403 Ferri-Inductor | LAU2R2K | R 307 | RS1/10S102J |
| L 631 Ferri-Inductor | LAU2R2K | R 351 | RS1/10S473J |
| L 632 Ferri-Inductor | LAU101K | R 352 | RS1/10S473J |
| L 641 Ferri-Inductor | LAU2R2K | R 353 | RS1/10S821J |
| L 701 Ferri-Inductor | LAU101K | R 354 | RS1/10S821J |
| X 401 Crystal Resonator 7.200MHz | CSS1379 | R 402 | RS1/10S272J |
| X 631 Ceramic Resonator 6.29MHz | CSS1310 | R 403 | RS1/10S272J |
| X 701 Crystal Resonator 4.332MHz | CSS1056 | R 404 | RS1/10S222J |
| S 631 Switch | CSG1020 | R 405 | RS1/10S222J |
| VR 401 Semi-fixed 22kΩ(B) | CCP1321 | R 406 | RS1/10S102J |
| FU 641 0.4A Fuse | ICP-N10 | R 410 | RS1/10S681J |
| BZ 631 Buzzer | CPV1011 | R 411 | RS1/10S682J |
| FM/AM Tuner Unit | CWE1416 | R 412 | RS1/10S0R0J |
| | | R 413 | RS1/10S102J |
| | | R 414 | RS1/10S472J |
| RESISTORS | | | |
| R 201 | RS1/10S222J | R 415 | RS1/10S682J |
| R 202 | RS1/10S222J | R 416 | RS1/10S472J |
| R 203 | RS1/10S223J | R 418 | RS1/10S561J |
| R 204 | RS1/10S223J | R 419 | RS1/10S103J |
| R 205 | RS1/10S332J | R 420 | RS1/10S152J |
| R 206 | RS1/10S332J | R 421 | RS1/10S392J |
| R 207 | RS1/10S122J | R 422 | RS1/10S392J |
| R 208 | RS1/10S122J | R 423 | RS1/10S272J |
| R 209 | RS1/10S472J | R 427 | RS1/10S473J |
| R 210 | RS1/10S472J | R 428 | RS1/10S562J |
| R 211 | RS1/10S472J | R 431 | RS1/10S473J |
| R 212 | RS1/10S472J | R 432 | RS1/10S472J |
| R 213 | RS1/10S272J | R 433 | RS1/10S473J |
| R 214 | RS1/10S272J | R 434 | RS1/10S102J |
| R 215 | RS1/10S151J | R 435 | RS1/10S102J |

| ====Circuit Symbol & No.====Part Name | Part No. | ====Circuit Symbol & No.====Part Name | Part No. |
|---------------------------------------|-------------|---------------------------------------|--------------|
| R 436 | RS1/10S102J | R 662 | RS1/10S223J |
| R 437 | RS1/10S102J | R 665 | RS1/10S103J |
| R 438 | RS1/10S102J | R 671 | RS1/10S473J |
| R 439 | RS1/10S472J | R 672 | RS1/10S473J |
| R 442 | RS1/10S102J | R 673 | RS1/10S473J |
| R 446 | RS1/10S393J | R 674 | RS1/10S473J |
| R 447 | RS1/10S103J | R 675 | RS1/10S473J |
| R 449 | RS1/10S102J | R 676 | RS1/10S473J |
| R 450 | RS1/10S0R0J | R 679 | RA4C222J |
| R 451 | RS1/10S473J | R 680 | RA3C222J |
| R 452 | RS1/10S0R0J | R 681 | RA4C681J |
| R 469 | RS1/10S0R0J | R 683 | RS1/10S222J |
| R 471 | RS1/10S103J | R 684 | RS1/10S222J |
| R 472 | RS1/10S223J | R 688 | RS1/10S473J |
| R 474 | RS1/10S472J | R 692 | RS1/10S102J |
| R 475 | RS1/10S224J | R 694 | RD1/4PU102J |
| R 476 | RS1/10S224J | R 695 | RS1/10S222J |
| R 477 | RS1/10S224J | R 696 | RD1/4PU102J |
| R 478 | RS1/10S105J | R 698 | RS2PMF220J |
| R 479 | RS1/10S103J | R 699 | RD1/4PU152J |
| R 480 | RS1/10S222J | R 702 | RS1/10S333J |
| R 481 | RS1/10S0R0J | R 703 | RS1/10S0R0J |
| R 601 | RS1/10S223J | R 704 | RS1/10S102J |
| R 602 | RS1/10S473J | R 705 | RS1/10S102J |
| R 603 | RS1/10S473J | R 706 | RS1/10S102J |
| R 604 | RS1/10S223J | R 707 | RS1/10S102J |
| R 605 | RS1/10S473J | R 708 | RS1/10S102J |
| R 606 | RS1/10S473J | R 709 | RS1/10S102J |
| R 607 | RS1/10S103J | R 715 | RS1/10S562J |
| R 608 | RS1/10S103J | R 716 | RS1/10S104J |
| R 609 | RS1/10S473J | R 717 | RS1/10S104J |
| R 610 | RS1/10S473J | R 718 | RS1/10S102J |
| R 621 | RS1/10S101J | R 725 | RS1/10S562J |
| R 622 | RS1/10S472J | R 726 | RS1/10S222J |
| R 623 | RS1/10S473J | R 728 | RS1/10S473J |
| R 624 | RS1/10S472J | R 731 | RS1/10S681J |
| R 625 | RS1/10S471J | R 732 | RS1/10S684J |
| R 626 | RS1/10S103J | R 733 | RS1/10S222J |
| R 627 | RS1/10S222J | R 734 | RS1/10S222J |
| R 628 | RS1/10S103J | R 735 | RS1/10S562J |
| R 629 | RS1/10S222J | R 801 | RS1/10S223J |
| R 631 | RS1/10S473J | R 802 | RS1/10S103J |
| R 633 | RS1/10S473J | R 803 | RS1/10S472J |
| R 636 | RS1/10S473J | | |
| R 637 | RS1/10S152J | | |
| R 638 | RS1/10S152J | | |
| R 639 | RS1/10S822J | | |
| R 640 | RS1/10S472J | | |
| R 641 | RS1/10S472J | | |
| R 642 | RS1/10S472J | | |
| R 643 | RS1/10S222J | | |
| R 644 | RS1/10S472J | | |
| R 645 | RS1/10S472J | | |
| R 646 | RS1/10S222J | | |
| R 647 | RS2PMF6R8J | | |
| R 648 | RS1/4S681J | | |
| R 650 | RS1/10S473J | | |
| R 651 | RS1/10S472J | | |
| R 653 | RS1/10S471J | | |
| R 654 | RS1/10S102J | | |
| R 655 | RS1/10S224J | | |
| R 656 | RS1/10S204J | | |
| R 657 | RS1/10S222J | | |
| R 658 | RD1/4PU152J | | |
| R 661 | RS1/10S222J | | |
| | | CAPACITORS | |
| | | C 201 | CEJA4R7M35 |
| | | C 202 | CEJA4R7M35 |
| | | C 203 | CEJA4R7M35 |
| | | C 204 | CEJA4R7M35 |
| | | C 205 | CEJANP4R7M16 |
| | | C 206 | CEJANP4R7M16 |
| | | C 207 | CEJANP100M10 |
| | | C 208 | CEJANP100M10 |
| | | C 209 | CKSQYB822K50 |
| | | C 210 | CKSQYB822K50 |
| | | C 211 | CEJA1R0M50 |
| | | C 212 | CEJA1R0M50 |
| | | C 217 | CKSQYB183K50 |
| | | C 218 | CKSQYB183K50 |
| | | C 219 | CKSQYB102K50 |
| | | C 220 | CKSQYB102K50 |
| | | C 221 | CEJANP2R2M35 |
| | | C 222 | CEJANP2R2M35 |
| | | C 223 | CKSQYB333K50 |
| | | C 224 | CKSQYB333K50 |

KEH-P6600R, KEX-P66R

| ====Circuit Symbol & No.====Part Name | Part No. | ====Circuit Symbol & No.====Part Name | Part No. |
|---------------------------------------|--------------------|---------------------------------------|--------------|
| C 227 | CEJA220M16 | C 437 | CKSQYB223K50 |
| C 228 | CEJA2R2M50 | C 438 | CKSQYB223K50 |
| C 231 | CKSQYB104K50 | C 439 | CCSQCH101K50 |
| C 232 | CEJA470M10 | C 440 | CKSQYB223K50 |
| C 233 | CKSQYB104K50 | C 441 | CKSQYB471K50 |
| C 234 | CKSQYB103K50 | C 442 | CKSQYB103K50 |
| C 251 | CEJA2R2M50 | C 443 | CKSQYB103K50 |
| C 252 | CEJA2R2M50 | C 444 | CKSQYB103K50 |
| C 261 | CEJA1R0M50 | C 449 | CKSQYB332K50 |
| C 262 | CEJA1R0M50 | C 450 | CKSQYB102K50 |
| C 263 | CEJA1R0M50 | C 451 | CKSQYB102K50 |
| C 264 | CEJA1R0M50 | C 601 | CKSYB105K16 |
| C 265 | CEJA100M16 | C 612 | CEJA100M16 |
| C 266 | CEJA100M16 | C 621 | CCH1201 |
| C 271 | CKSQYB102K50 | C 622 | CKSQYB103K50 |
| C 281 | CKSQYB104K50 | C 623 | CEJA470M10 |
| C 282 | CKSQYB102K50 | C 624 | CEJA101M10 |
| C 301 | See Contrast Table | C 625 | CKSQYB103K50 |
| C 302 | See Contrast Table | C 626 | CKSQYB473K50 |
| C 303 | See Contrast Table | C 627 | CEJA101M10 |
| C 304 | See Contrast Table | C 635 | CEJA4R7M35 |
| C 305 | See Contrast Table | C 636 | CKSQYB103K50 |
| C 306 | See Contrast Table | C 637 | CKSQYB103K50 |
| C 307 | See Contrast Table | C 640 | CEJA2R2M50 |
| C 308 | See Contrast Table | C 641 | CCSQCH101K50 |
| C 311 | See Contrast Table | C 642 | CCSQCH101K50 |
| C 312 | See Contrast Table | C 643 | CEAS471M10 |
| C 313 | See Contrast Table | C 644 | CKSQYB103K50 |
| C 314 | See Contrast Table | C 645 | CCSQCH101K50 |
| C 321 | CKSQYB104K50 | C 661 | CKSQYB473K50 |
| C 322 | 4700μF/16V | C 671 | CEJA100M16 |
| C 323 | See Contrast Table | C 674 | CCSQCH101K50 |
| C 324 | See Contrast Table | C 676 | CCSQCH101K50 |
| C 325 | See Contrast Table | C 677 | CCSQCH101K50 |
| C 326 | See Contrast Table | C 678 | CKSQYB102K50 |
| C 351 | CEJA2R2M50 | C 679 | CKSYB102K50 |
| C 352 | CEJA2R2M50 | C 701 | CKSQYB104K50 |
| C 401 | CKSQYB223K50 | C 702 | CKSQYB222K50 |
| C 402 | CKSQYB273K50 | C 703 | CKSQYB104K50 |
| C 403 | CKSQYB103K50 | C 704 | CKSYB105K16 |
| C 404 | CKSQYB223K50 | C 705 | CKSQYB104K50 |
| C 406 | CKSQYB102K50 | C 706 | CKSQYB472K50 |
| C 408 | CEJA220M16 | C 707 | CEJA4R7M35 |
| C 410 | CKSQYB103K50 | C 708 | CKSQYB104K50 |
| C 411 | CEJA220M6R3 | C 709 | CCSQCH220J50 |
| C 412 | CEJA220M16 | C 710 | CCSQCH220J50 |
| C 413 | CKSQYB103K50 | C 711 | CKSQYB104K50 |
| C 414 | 4.7μF/16V | C 712 | CKSQYB223K50 |
| C 416 | CKSQYB103K50 | C 714 | CEJA4R7M35 |
| C 417 | CKLSR473K16 | C 735 | CKSQYB102K50 |
| C 418 | CKSQYB103K50 | C 736 | CEJA4R7M35 |
| C 420 | CKSQYB103K50 | C 737 | CKSQYB103K50 |
| C 421 | CKSQYB103K50 | C 405 | CKSRYB333K16 |
| C 422 | CEJA220M6R3 | | |
| C 423 | CKSQYB102K50 | | |
| C 424 | 4.7μF/16V | | |
| C 425 | CCH1250 | | |
| C 426 | CKSQYB103K50 | | |
| C 427 | CEJAR47M50 | | |
| C 428 | CCSQCH150K50 | | |
| C 428 | CCSQCH150K50 | | |
| C 429 | CKSQYB223K50 | | |
| C 430 | CKSQYB223K50 | | |
| C 434 | CCSQCH101K50 | | |
| C 435 | CEJA2R2M50 | | |
| C 436 | CEJA2R2M50 | | |

1500μF/16V

| |
|---------------|
| Keyboard Unit |
| Consists of |
| Keyboard PCB |
| Switch PCB |

DG Unit Number : CWM5348
Unit Name : Keyboard Unit

MISCELLANEOUS

| | | |
|--------|------------|---------|
| IC 901 | IC | PD6208B |
| IC 902 | HIC Module | RS-140 |
| Q 901 | Transistor | 2SC2712 |
| D 901 | Diode | MA153 |
| D 902 | Diode | MA153 |

| ====Circuit Symbol & No.====Part Name | Part No. | ====Circuit Symbol & No.====Part Name | Part No. |
|---------------------------------------|--------------|---------------------------------------|--------------|
| D 903 LED | CL170PGCD | Q 401 Transistor | DTC114EU |
| D 904 LED | CL170PGCD | D 351 Diode | 1SS355 |
| D 905 LED | CL170PGCD | VR 301 Semi-fixed 33kΩ(B) | CCP1280 |
| L 901 Inductor | LCTA4R7J3225 | VR 302 Semi-fixed 33kΩ(B) | CCP1280 |
| X 901 Ceramic Resonator 4.915MHz | CSS1084 | | |
| RESISTORS | | | |
| S 641 Switch | CSN1027 | R 255 | RS1/16S181J |
| S 901 Push Switch | CSG1085 | R 256 | RS1/16S181J |
| S 902 Push Switch | CSG1085 | R 257 | RS1/16S183J |
| S 903 Push Switch | CSG1085 | R 258 | RS1/16S183J |
| S 904 Push Switch | CSG1084 | R 259 | RS1/16S133J |
| S 905 Push Switch | CSG1084 | R 260 | RS1/16S133J |
| S 906 Push Switch | CSG1084 | R 261 | RS1/16S274J |
| S 907 Push Switch | CSG1084 | R 262 | RS1/16S274J |
| S 908 Push Switch | CSG1085 | R 271 | RS1/16S183J |
| S 909 Push Switch | CSG1084 | R 275 | RS1/16S473J |
| S 910 Push Switch | CSG1084 | R 276 | RS1/16S104J |
| S 911 Push Switch | CSG1084 | R 277 | RS1/16S224J |
| S 912 Push Switch | CSG1084 | R 278 | RS1/16S104J |
| S 913 Push Switch | CSG1084 | R 281 | RS1/8S0R0J |
| S 914 Switch | CSG1043 | R 282 | RS1/8S0R0J |
| S 915 Push Switch | CSG1085 | R 283 | RS1/8S0R0J |
| S 916 Push Switch | CSG1084 | R 284 | RS1/8S0R0J |
| S 917 Push Switch | CSG1085 | R 285 | RS1/16S0R0J |
| S 918 Push Switch | CSG1084 | R 286 | RS1/16S0R0J |
| S 919 Push Switch | CSG1085 | R 287 | RS1/16S0R0J |
| S 920 | CSG1084 | R 288 | RS1/8S0R0J |
| S 921 Switch | CSG1043 | R 289 | RS1/8S0R0J |
| LCD 901 LCD | CAW1422 | R 290 | RS1/8S0R0J |
| RESISTORS | | | |
| R 901 | RS1/10S222J | R 301 | RS1/16S0R0J |
| R 902 | RS1/10S222J | R 321 | RS1/8S0R0J |
| R 903 | RS1/10S472J | R 351 | RS1/16S102J |
| R 905 | RS1/10S121J | R 352 | RS1/16S102J |
| R 907 | RS1/10S470J | R 353 | RS1/16S102J |
| R 908 | RS1/10S470J | R 354 | RS1/16S102J |
| R 909 | RS1/10S2R2J | R 355 | RS1/10S274J |
| R 910 | RS1/10S470J | R 356 | RS1/10S202J |
| R 911 | RS1/10S470J | R 357 | RS1/10S472J |
| R 912 | RS1/10S470J | R 358 | RS1/10S103J |
| R 913 | RS1/10S470J | R 359 | RS1/10S103J |
| R 914 | RS1/10S103J | R 360 | RS1/10S102J |
| R 916 | RS1/8S152J | R 361 | RS1/10S622J |
| R 917 | RS1/8S152J | R 362 | RS1/8S181J |
| R 918 | RS1/8S391J | R 373 | RS1/8S0R0J |
| R 920 | RS1/8S391J | R 374 | RS1/8S0R0J |
| R 922 | RS1/8S391J | R 375 | RS1/8S0R0J |
| R 924 | RS1/8S391J | R 401 | RS1/16S123J |
| R 926 | RS1/8S391J | R 402 | RS1/16S332J |
| R 928 | RS1/8S391J | R 403 | RS1/16S911J |
| R 930 | RS1/8S391J | R 404 | RS1/16S274J |
| CAPACITORS | | | |
| C 901 | CSZSR100M6R3 | R 421 | RS1/8S0R0J |
| C 903 | CSZSR100M6R3 | C 251 | CKSRYB391K50 |
| C 904 | CKSQYB104K50 | C 252 | CKSRYB391K50 |
| C 905 | CKSQYB103K50 | C 253 | CKSRYB391K50 |
| C 906 | CKSQYB103K50 | C 254 | CKSRYB391K50 |
| C 907 | CKSQYB103K50 | C 255 | CKSRYB103K50 |
| MISCELLANEOUS | | | |
| IC 251 IC | HA12192F | C 256 | CKSRYB103K50 |
| IC 351 IC | PA2020A | C 271 | CEJA1R0M50 |
| Q 271 Transistor | 2SC4116 | C 272 | CKSQYB104K16 |
| Q 351 Transistor | 2SB1260 | C 301 | CKSYB474K16 |
| Q 352 Transistor | 2SC4102 | C 302 | CKSYB474K16 |
| | | C 303 | CKSQYB104K16 |
| | | C 304 | CKSQYB104K16 |
| | | C 351 | CKSYB224K25 |
| | | C 352 | CKSQYB392K50 |
| | | C 353 | CKSQYB103K50 |

C Unit Number :EWM1010
Unit Name :Deck Unit

KEH-P6600R, KEX-P66R

| ====Circuit Symbol & No.==== | Part Name | Part No. |
|------------------------------|-----------|--------------|
| C 354 | | CKSQYB473K50 |
| C 355 | | CKSYB104K50 |
| C 356 | | CKSQYB103K50 |
| C 401 | | CKSRYB472K50 |
| C 402 | | CEJA1R0M50 |
| C 403 | | CKSRYB223K25 |
| C 404 | | CKSRYB103K50 |
| C 405 | | CKSRYB333K16 |

E Unit Number :
Unit Name :PCB Unit

| | | |
|-------|-------------------|---------|
| S 1 | Switch (Load) | ESG1004 |
| S 2 | Switch (70µS) | ESG1004 |
| EGN 1 | Photo-Interrupter | EGN1005 |

F Unit Number :
Unit Name :Reel PCB

| | | |
|-------|-------------------|---------|
| EGN 2 | Photo-Interrupter | EGN1006 |
| EGN 3 | Photo-Interrupter | EGN1006 |

Miscellaneous Parts List

| | | |
|------|-------------------|---------|
| M 1 | Motor Unit (Main) | EXA1491 |
| M 2 | Motor Unit (Sub) | EXA1485 |
| HD 1 | Head Assy | EXA1506 |

CONTRAST TABLE of TUNER AMP UNIT

KEH-P6600R/EW and KEX-P66R/EW have the same construction except for the following:

| Symbol & Description | Part No. | |
|----------------------|---------------|-------------|
| | KEH-P6600R/EW | KEX-P66R/EW |
| Tuner Amp Unit | CWM5318 | CWM5442 |
| IC 551 | TDA7384A | Not used |
| Q 301 | DTC124EK | Not used |
| Q 355 | Not used | IMH3A |
| R 247,248 | RS1/10S0R0J | Not used |
| R 301 | RS1/10S103J | Not used |
| R 302 | RS1/10S221J | Not used |
| R 303 | RS1/10S153J | Not used |
| R 304 | RS1/10S103J | Not used |
| R 306 | RS1/10S101J | Not used |
| R 355,356 | Not used | RS1/10S821J |
| R 357,358 | Not used | RS1/10S473J |
| C 301,302,303,304 | CKSQYB102K50 | Not used |
| C 305,306,307,308 | CKSQYB102K50 | Not used |
| C 311,312,313,314 | CEJAR22M50 | Not used |
| C 323 | CEJA100M16 | Not used |
| C 324,325 | CEJA1R0M50 | Not used |
| C 326 | CEJA330M10 | Not used |
| C 327 | Not used | CKSYB103K50 |
| C 354,355 | Not used | CEJA2R2M50 |

6. ADJUSTMENT

● Connection Diagram

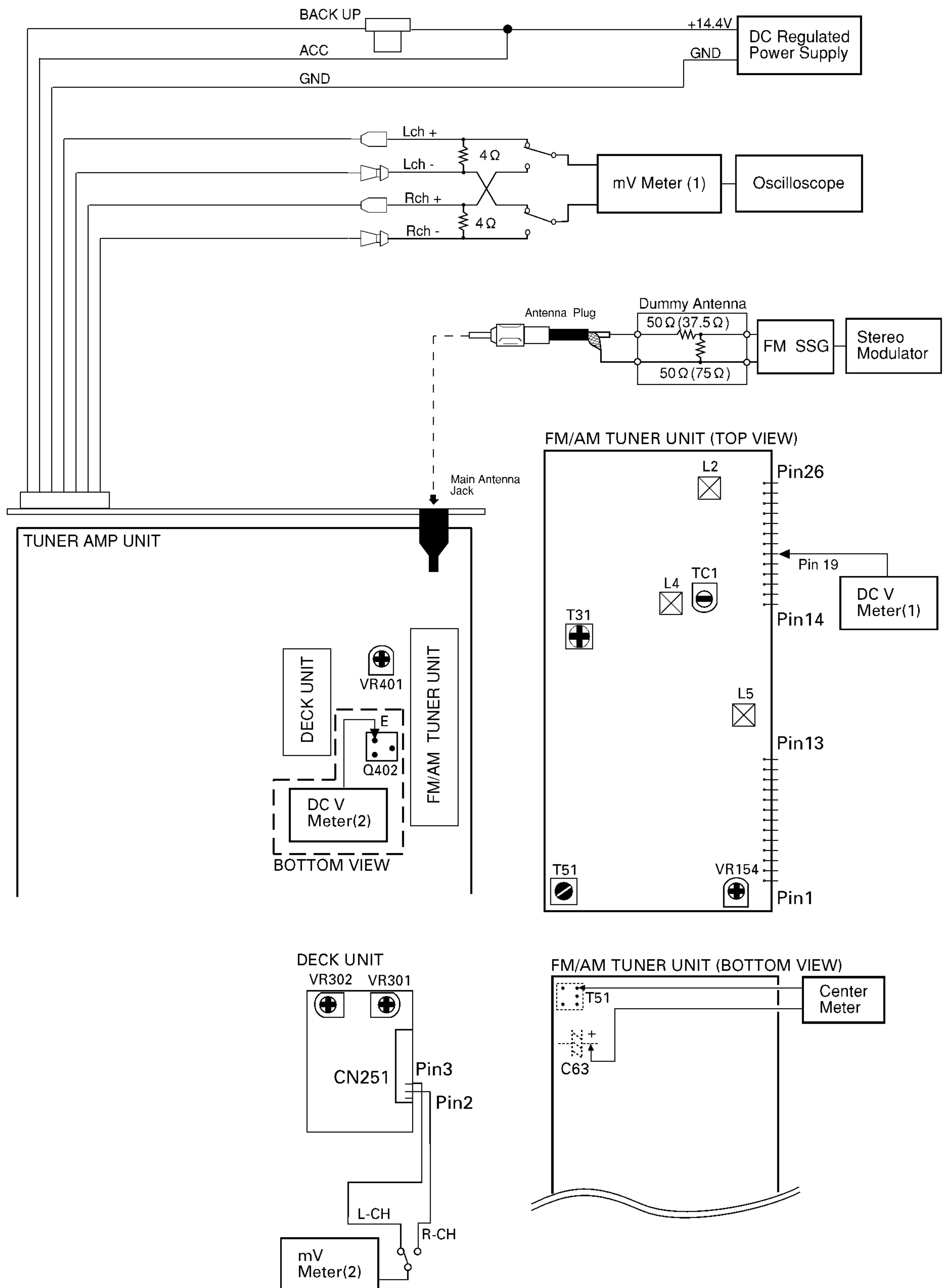


Fig. 24

KEH-P6600R, KEX-P66R

FM ADJUSTMENT

Modulation M: MONO MOD., 400Hz 30%(22.5kHz Dev.) or 400Hz 100%(75kHz Dev.)

S1: STEREO MOD., 1kHz, L or R=30%(20.25kHz+7.5kHz Dev.)

S2: STEREO MOD., 1kHz, L or R=60%(40.50kHz+7.5kHz Dev.)

NOTE: Before proceeding to further adjustments after switching power ON, let the tuner run for ten minutes to allow the circuits to stabilize.

| | No. | FM SSG | | Displayed Frequency(MHz) | Adjustment Point | Adjustment Method (Switch Position) |
|----------|-----|----------------|------------|--------------------------|------------------|--|
| | | Frequency(MHz) | Level(dBf) | | | |
| TUN Volt | 1 | ..... | ..... | 108.0 | L5 | DC V Meter(1) : 6V |
| IF | 2 | 98.1 M | 60 | 98.1 | T51 | Center Meter : 0 |
| ANT Coil | 3 | 98.1 M | 5 | 98.1 | L2 | mV Meter(1) : Maximum |
| RF Coil | 4 | 98.1 M | 5 | 98.1 | L4 | mV Meter(1) : Maximum |
| Image | 5 | 129.3 M | 60—80 | 107.9 | TC1 | mV Meter(1) : Minimum |
| IFT | 6 | 98.1 M | 5 | 98.1 | T31 | mV Meter(1) : Maximum (STEREO MODE) |
| ARC | 7 | 98.1 S1 | 40 | 98.1 | VR154 | mV Meter(1) : Separation 5dB (STEREO MODE) |

RDS SL ADJUSTMENT

| | No. | FM SSG | | Displayed Frequency(MHz) | Adjustment Point | Adjustment Method (Switch Position) |
|--|-----|----------------|------------|--------------------------|------------------|-------------------------------------|
| | | Frequency(MHz) | Level(dBf) | | | |
| | 1 | 104.0 S2 | 35 | 104.0 | VR401 | DC V Meter(2) : 1.75V±0.05V |

DOLBY B NR ADJUSTMENT

| No. | Test Tape | Adjustment Point | Adjustment Method (Switch Position) |
|-----|------------------------------|------------------------|--|
| 1 | NCT-150 (400Hz, 200nwb/m) | VR301(Lch), VR302(Rch) | mV Meter(2) : -8.24dB±1.0dB (DOLBY NR Switch : OFF) |

● For Repair of the Detach Grille Assy, Use the Extension-Cord Tool GGD1056.

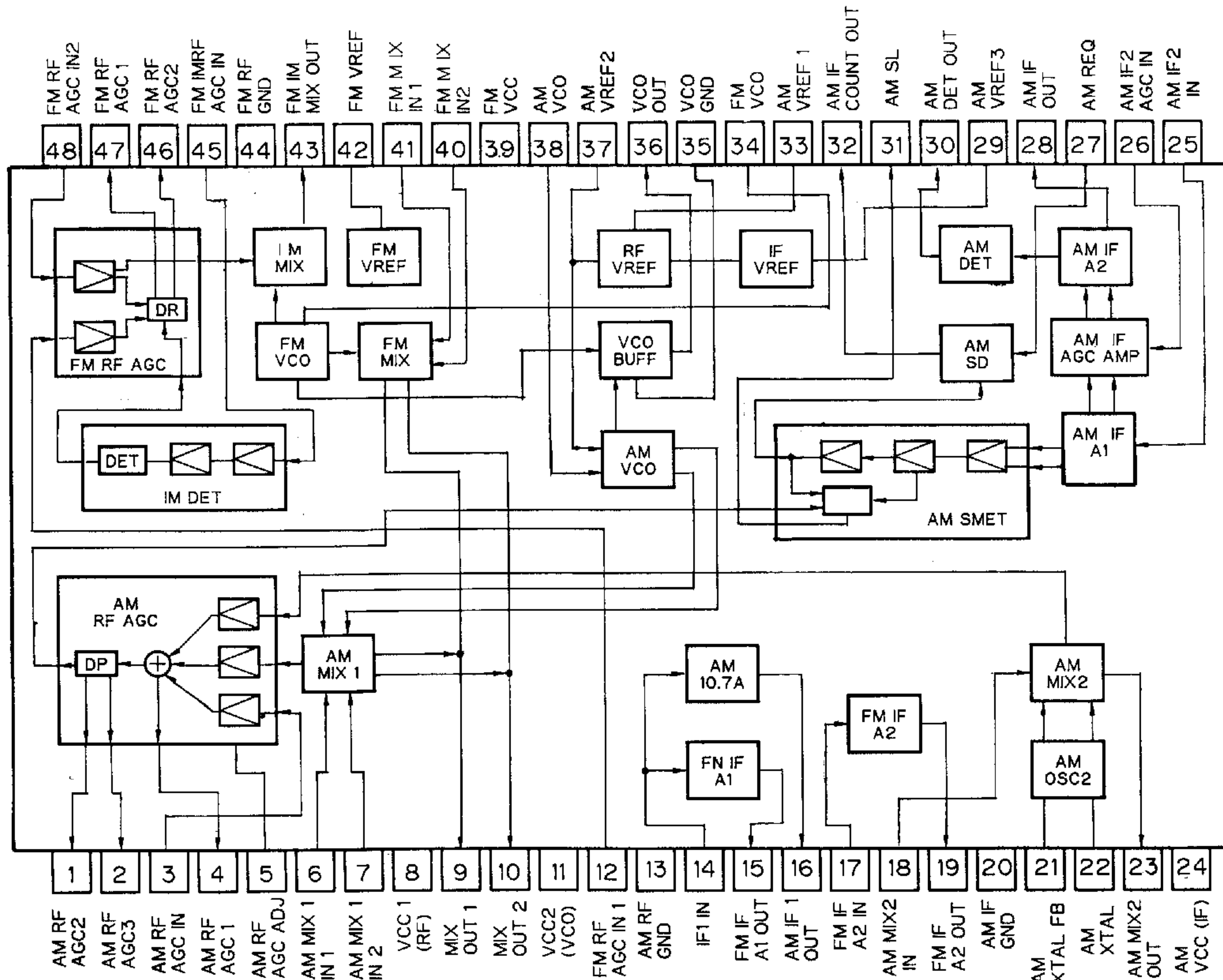
● For Repair of the Cassette Mechanism Module, Use the Extension-Cord Tool GGD1121.

7. GENERAL INFORMATION

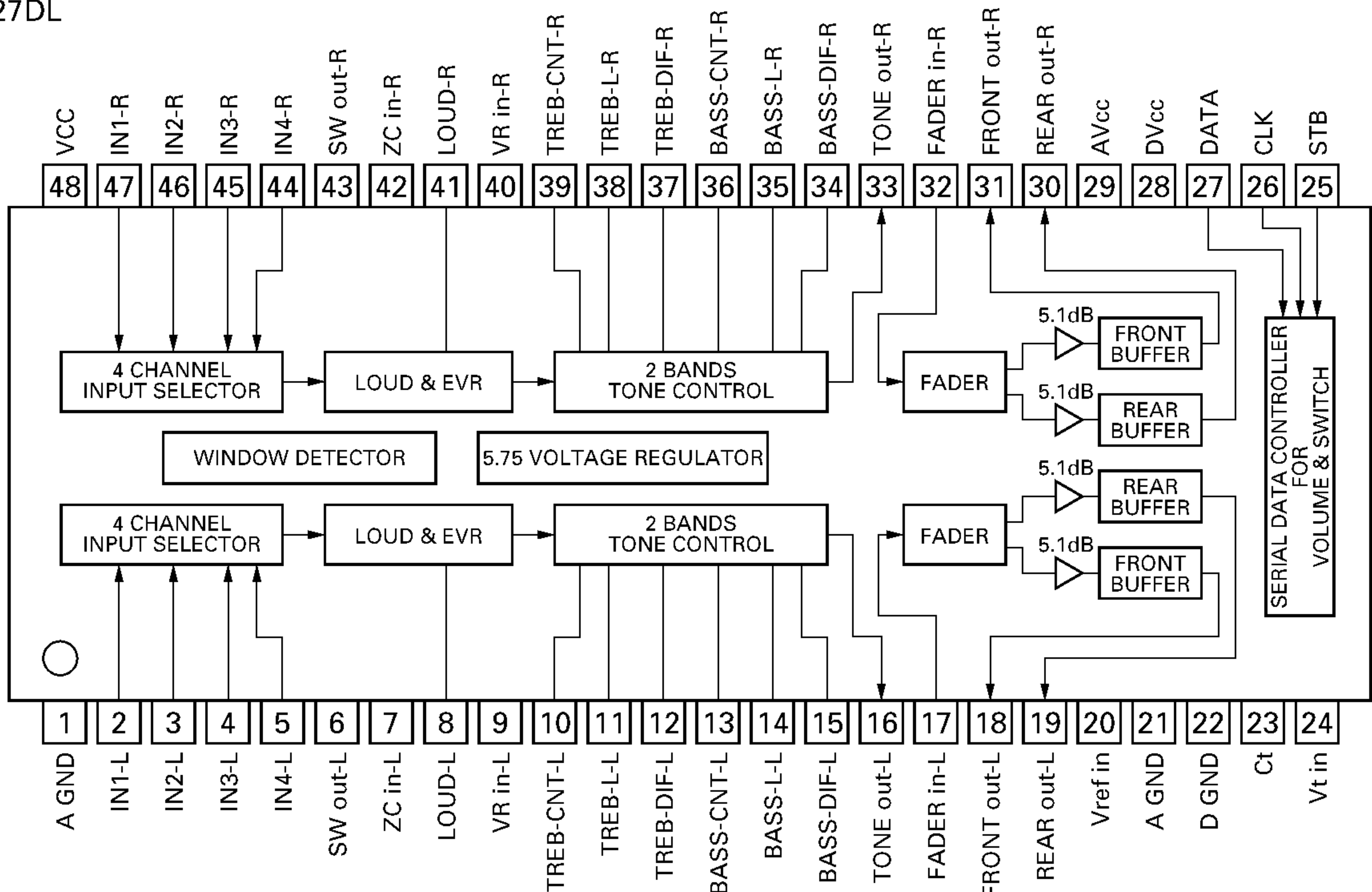
7.1 PARTS

7.1.1 IC

PA4023B



*SN761027DL

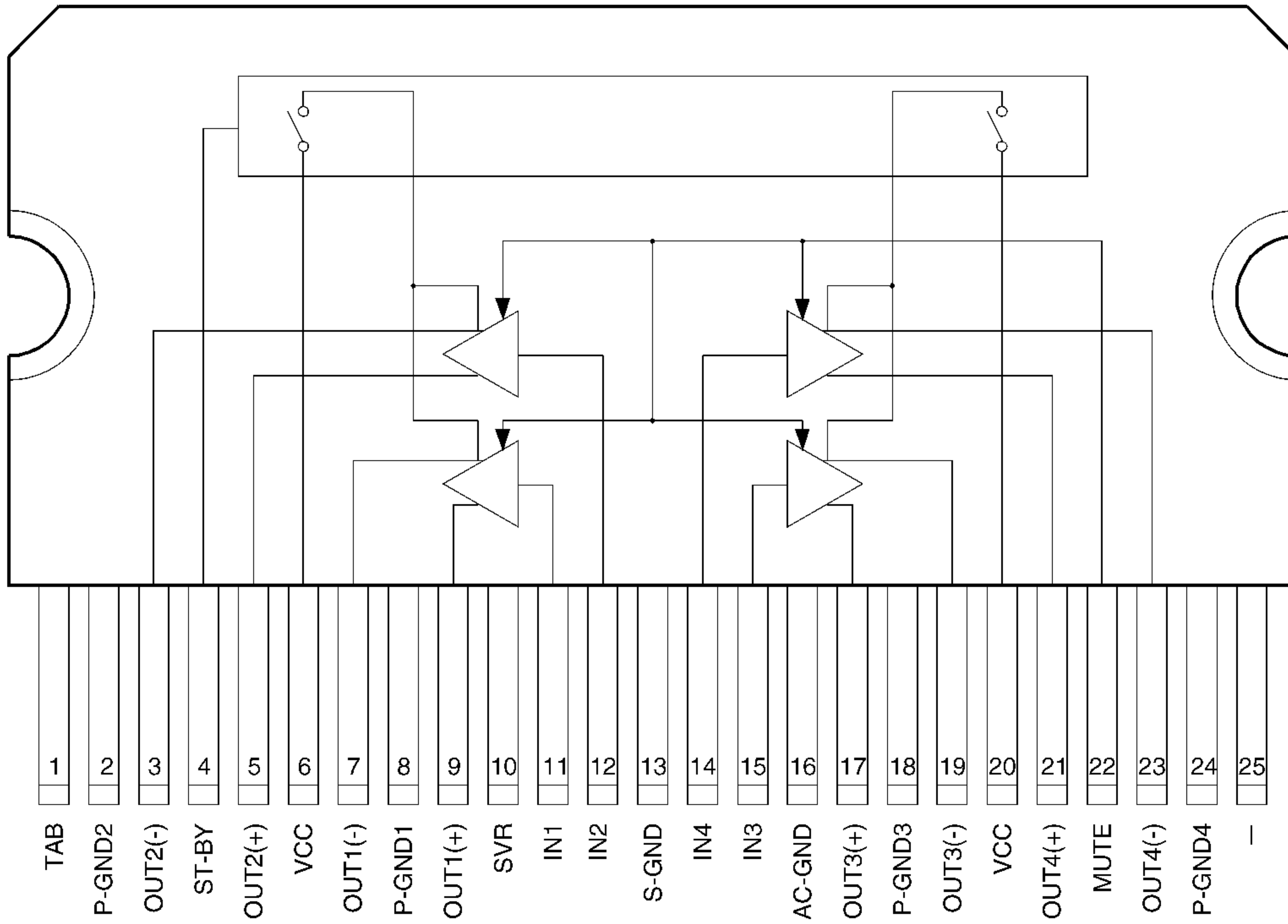


IC's marked by* are MOS type.

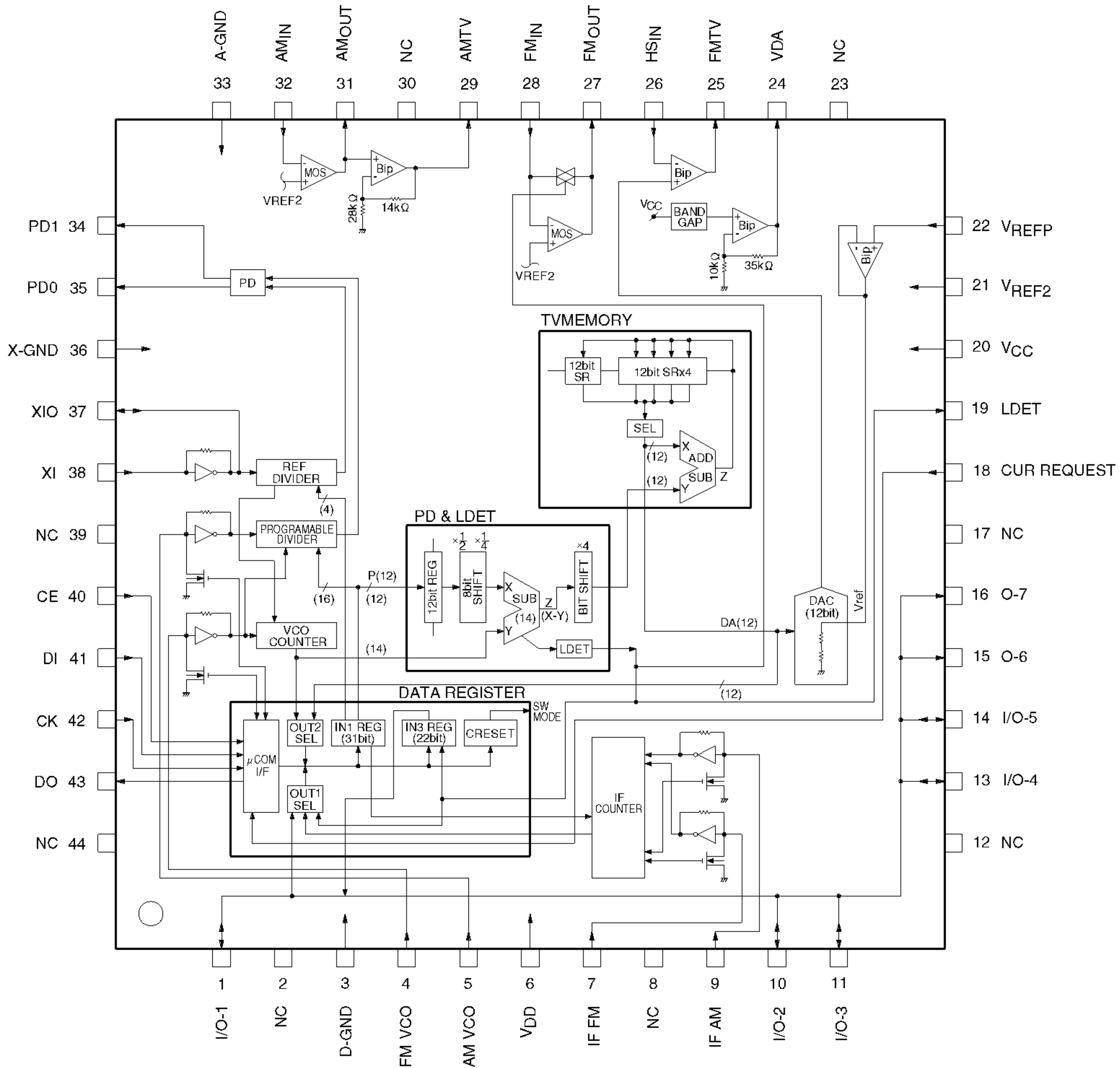
Be careful in handling them because they are very liable to be damaged by electrostatic induction.

KEH-P6600R, KEX-P66R

TDA7384A



PM2005B



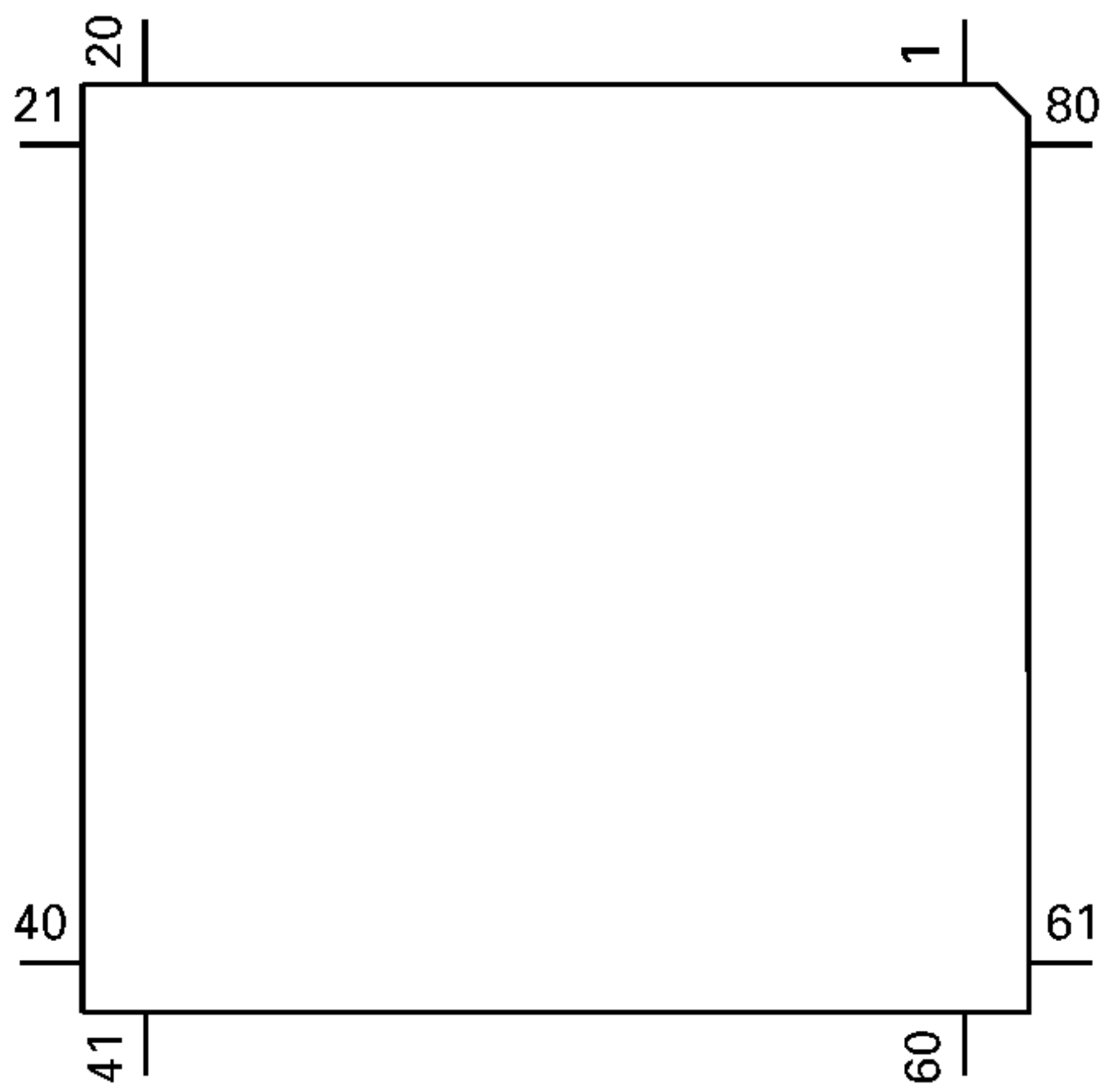
● Pin Functions(PD4773A)

| Pin No. | Pin Name | I/O | Format | Function and Operation |
|---------|----------|-----|--------|---|
| 1 | CLOSE | I | | Flap close sense input |
| 2 | RDT | I | | FROM data input |
| 3 | RDSLK | I | | RDS LK signal input |
| 4 | AVSS | | | A/D GND |
| 5 | DRST | O | C | Reset output |
| 6 | NC | | | Not used |
| 7 | AVREF1 | | | (Connect to VDD) |
| 8 | KYDT | I | | Key data input |
| 9 | DPDT | O | C | Display data output |
| 10 | SWVDD | O | C | Grille power supply control output |
| 11 | MDSENS | I | | Modulation detect input |
| 12 | NC | | | Not used |
| 13 | CURRRQ | O | C | Tuner voltage FIX output |
| 14 | MSIN | I | | MS sense input |
| 15 | MTLSW | I | | Metal sense input |
| 16 | POS | I | | Position sense input |
| 17 | RES | I | | Cassette mechanism reverse end sense input |
| 18 | NES | I | | Cassette mechanism forward end sense input |
| 19 | DIRO | O | C | Head F/R select output |
| 20 | PLAY | O | C | MS gain select output |
| 21 | DIM | O | C | Dimmer select output |
| 22 | NR | O | C | NR output |
| 23 | SC2 | O | C | Cassette mechanism sub motor control output |
| 24 | SC1 | O | C | Cassette mechanism sub motor control output |
| 25 | CM | O | C | Cassette mechanism capstan motor control output |
| 26 | STBY | O | C | Drive IC control output |
| 27 | LOADSW | I | | Tape loading input |
| 28 | LPFSW | O | C | FIE output |
| 29 | TUNPDI | I | | PLL IC data input |
| 30 | TUNPCK | O | C | PLL IC clock output |
| 31 | TUNPDO | O | C | PLL IC data output |
| 32 | TUNPCE | O | C | PLL IC chip enable output |
| 33 | VSS | | | GND |
| 34 | ST | I | | Stereo input |
| 35 | TMUTE | O | | Tuner mute output |
| 36 | SD | I | | SD input |
| 37-40 | NC | | | Not used |
| 41 | ASENBO | O | C | Slave power supply control output |
| 42 | NC | | | Not used |
| 43 | AM | O | C | AM power control output |
| 44 | MUTE | O | C | Mute output |
| 45 | PEE | O | C | PEE sound output |
| 46 | VST | O | C | Electronic volume strobe pulse output |
| 47 | RDS57K | I | | 57kHzBP-OUT sense input |
| 48 | VCK | O | C | Electronic volume clock output |
| 49 | VDT | O | C | Electronic volume data output |
| 50 | FM | O | C | FM power control output |
| 51 | SYSPW | O | C | System power supply control output |
| 52 | NC | | | Pull down |
| 53 | NC | | | Not used |
| 54 | ISENS | I | | Illumination sense input |
| 55 | NC | | | Not used |
| 56 | TX | O | C | IP BUS data output |
| 57 | RX | I | | IP BUS data input |
| 58,59 | NC | | | Open |
| 60 | RESET | I | | Reset input |
| 61 | LDET | I | | PLL lock sense input |
| 62 | RCK | I | | RDS clock input |

KEH-P6600R, KEX-P66R

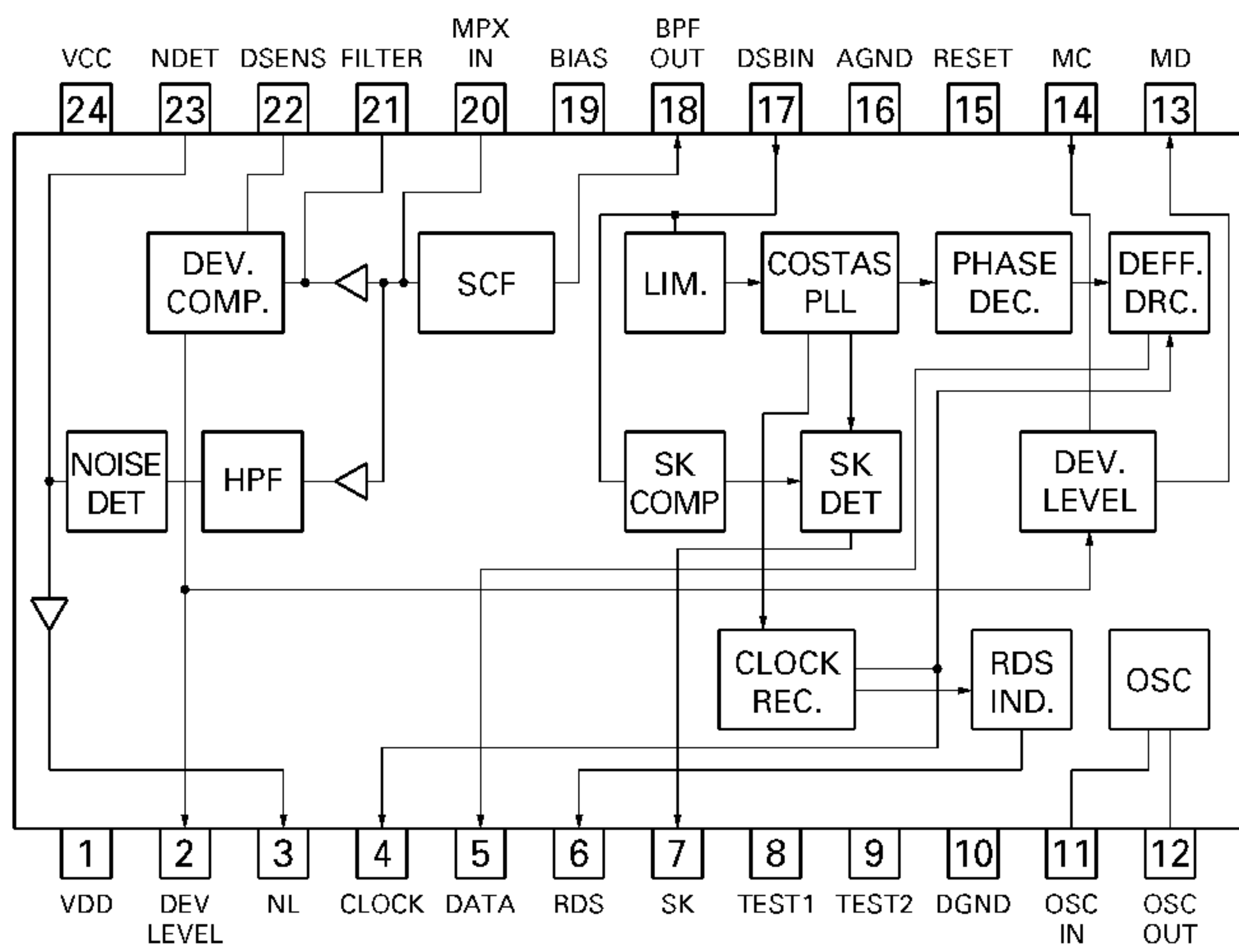
| Pin No. | Pin Name | I/O | Format | Function and Operation |
|---------|----------|-----|--------|---|
| 63 | BSENS | I | | Back up power sense input |
| 64 | ASENS | I | | ACC power sense input |
| 65 | DSSENS | I | | Grille detach sense input |
| 66 | CLKIN | I | | Clock input |
| 67 | ILMPW | O | C | Illumination power supply control output |
| 68 | VDD | | | Power supply |
| 69 | X2 | | | Crystal oscillator connection pin |
| 70 | X1 | | | Crystal oscillator connection pin |
| 71 | IC | | | Connect to GND |
| 72 | NC | | | Not used |
| 73 | TESTIN | I | | Test program mode input |
| 74 | AVDD | I | | Positive power supply terminal for analog circuit input |
| 75 | NC | | | Not used |
| 76 | SL | I | | Signal level input |
| 77 | NL | I | | Noise level input |
| 78 | SLIN | I | | RDS SL input |
| 79 | SK | I | | SK signal input |
| 80 | LCDPW | O | C | LCD back light power supply control output |

*PD4773A

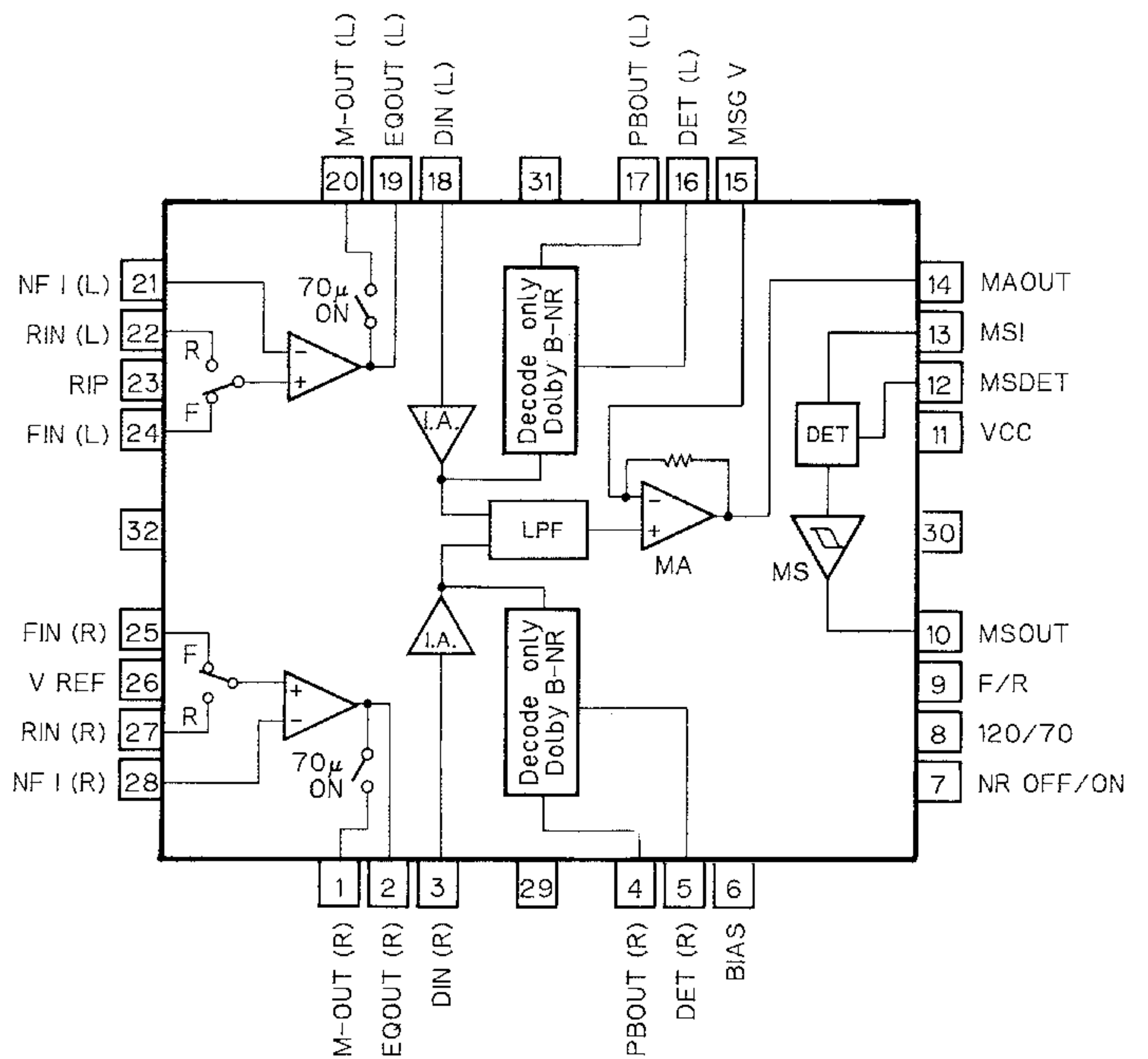


| Format | Meaning |
|--------|---------|
| C | C MOS |

PMW001B



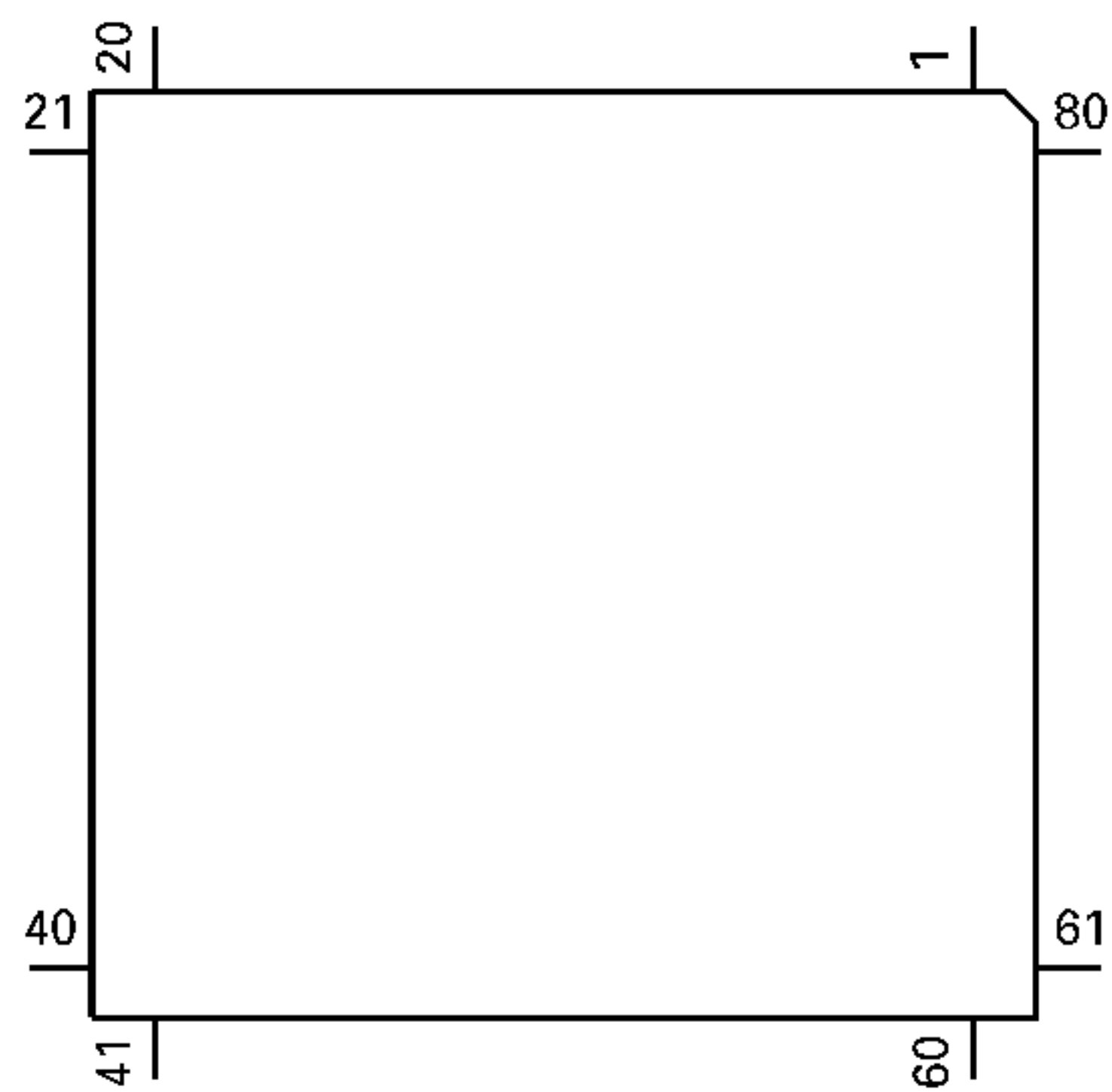
HA12192F



● Pin Functions(PD6208B)

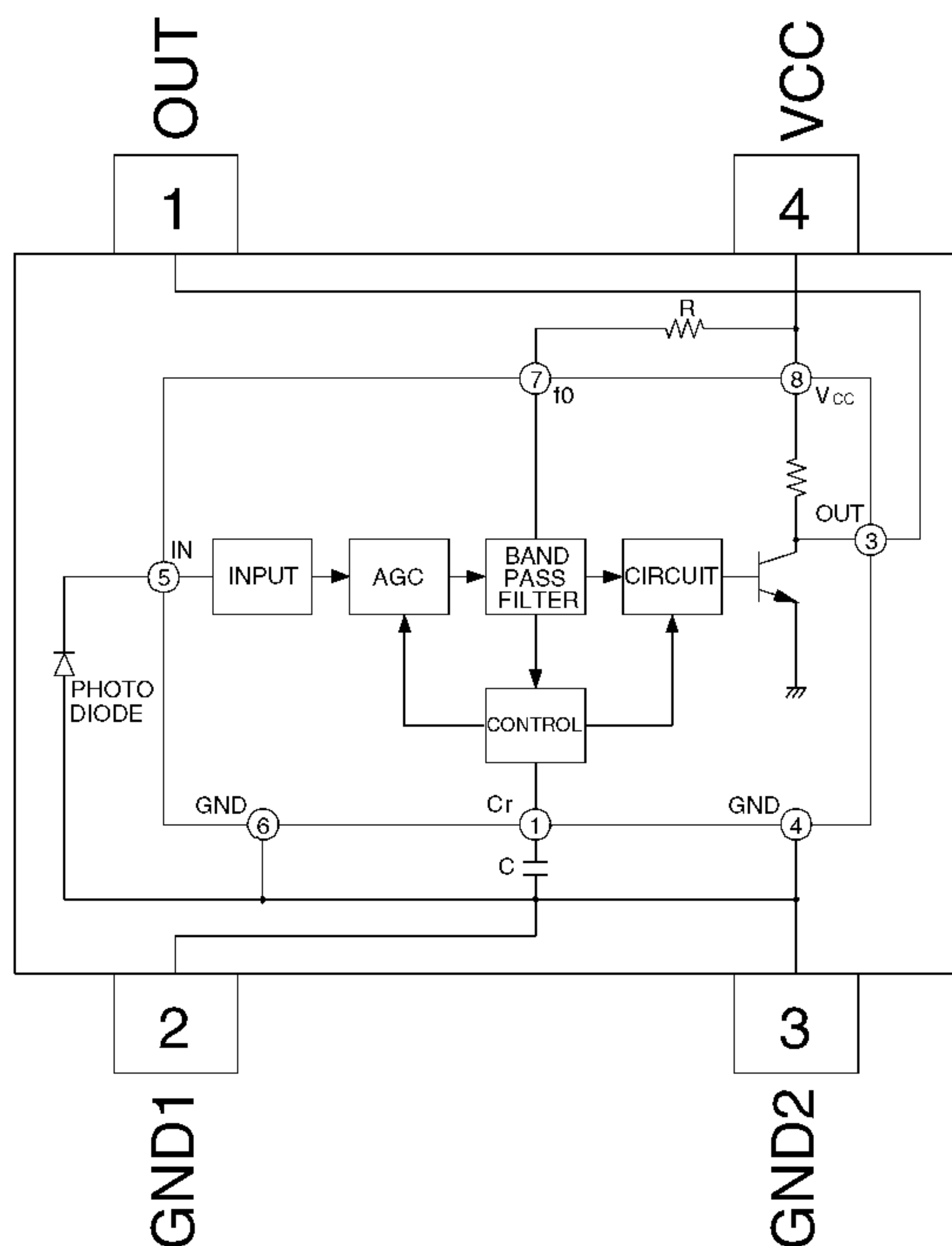
| Pin No. | Pin Name | I/O | Format | Function and Operation |
|---------|----------|-----|--------|------------------------------------|
| 1 | VSS | | | GND |
| 2 | X1 | | | Crystal oscillator connection pin |
| 3 | X0 | | | Crystal oscillator connection pin |
| 4 | RST | I | | System reset input |
| 5 | MOD1 | I | | Operation mode appointment input 1 |
| 6 | MOD0 | I | | Operation mode appointment input 0 |
| 7 | LED | O | C | LED control output |
| 8 | SO | O | C | UART output |
| 9 | SI | I | | UART input |
| 10 | REM | I | | Remote control reception input |
| 11,12 | NC | | | Not used |
| 13-16 | KD4-1 | I | | Matrix key return input 4-1 |
| 17-22 | KS6-1 | O | N | Matrix key strobe output 6-1 |
| 23 | VCC | | | 5V power supply |
| 24-73 | SEG49-0 | O | | LCD segment signal output 49-0 |
| 74-77 | COM3-0 | O | | LCD common signal output 3-0 |
| 78 | V3 | | | LCD bias power supply |
| 79 | V2 | | | LCD bias power supply |
| 80 | V1 | | | LCD bias power supply |

*PD6208B



| Format | Meaning |
|--------|----------------------|
| C | C MOS |
| N | N channel open drain |

RS-140



7.1.2 DISPLAY

● CAW1422

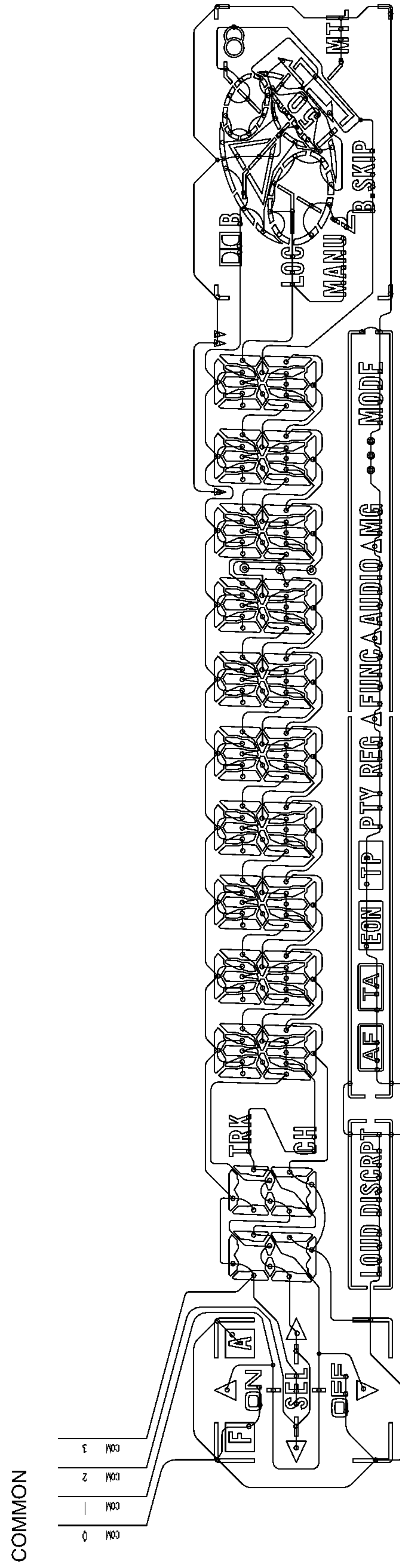
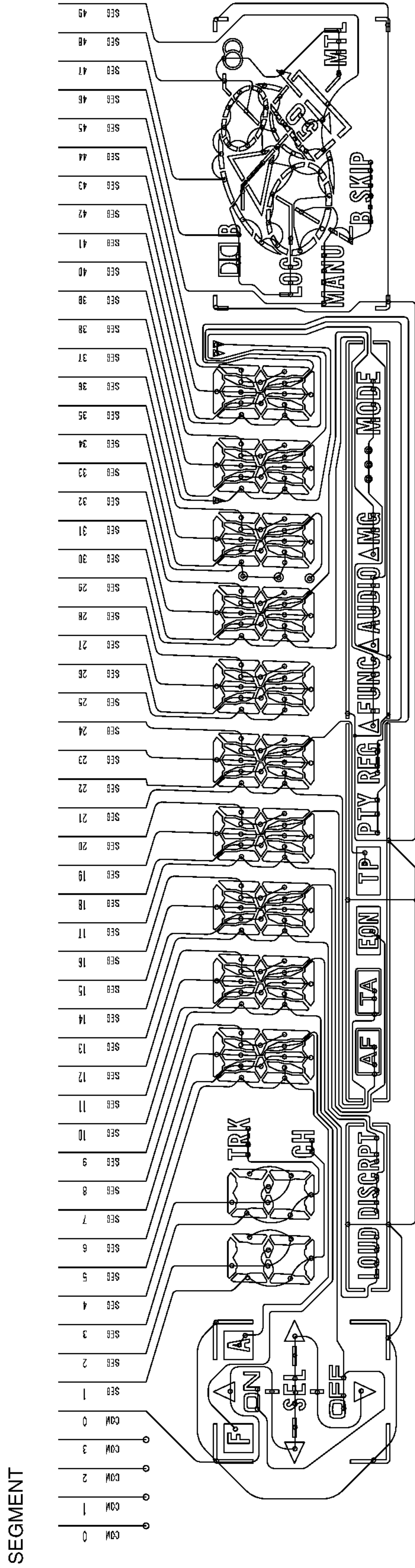


Fig. 25

7.2 DISASSEMBLY

● Removing the Case(Not shown)

1. Remove the three screws.
2. Insert and turn a flat screwdriver to remove the case.

● Removing the Cassette Mechanism Module (Not shown)

1. Remove the four screws.
2. Disconnect the connector.
3. Remove the Cassette Mechanism Module.

● Removing the Detach Grille Assy(Fig.26)

1. Remove the two screws A, and disconnect the two connectors.
2. Disengage the stoppers at four locations indicated by arrows.
3. Remove the Detach Grille Assy.

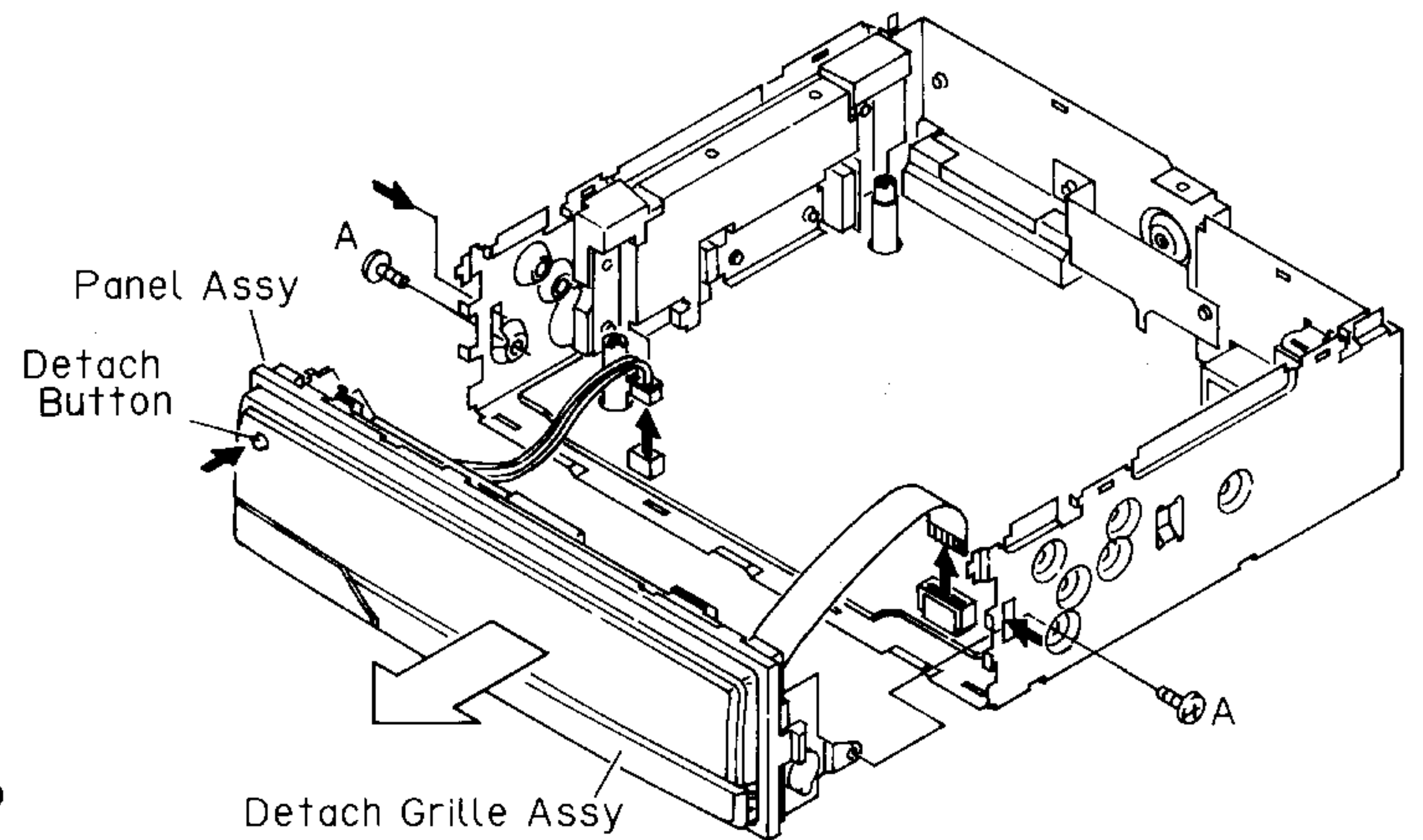


Fig. 26

● Removing the Tuner Amp Unit(Fig.27)

1. Remove the two screws B, and three screws C.
2. Unbend the tabs at three locations indicated by arrows until straight.
3. Raise up on Tuner Amp Unit.

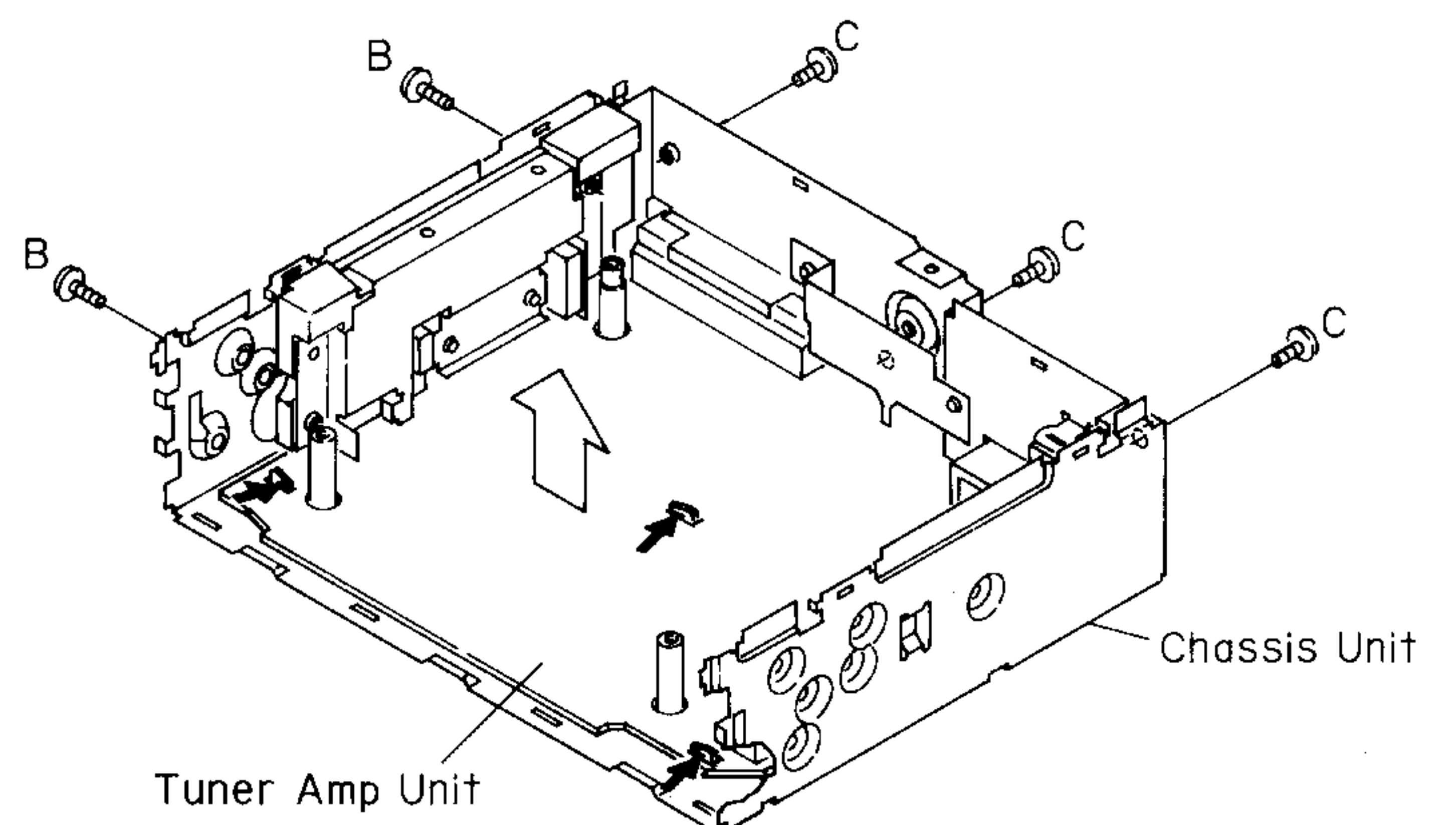
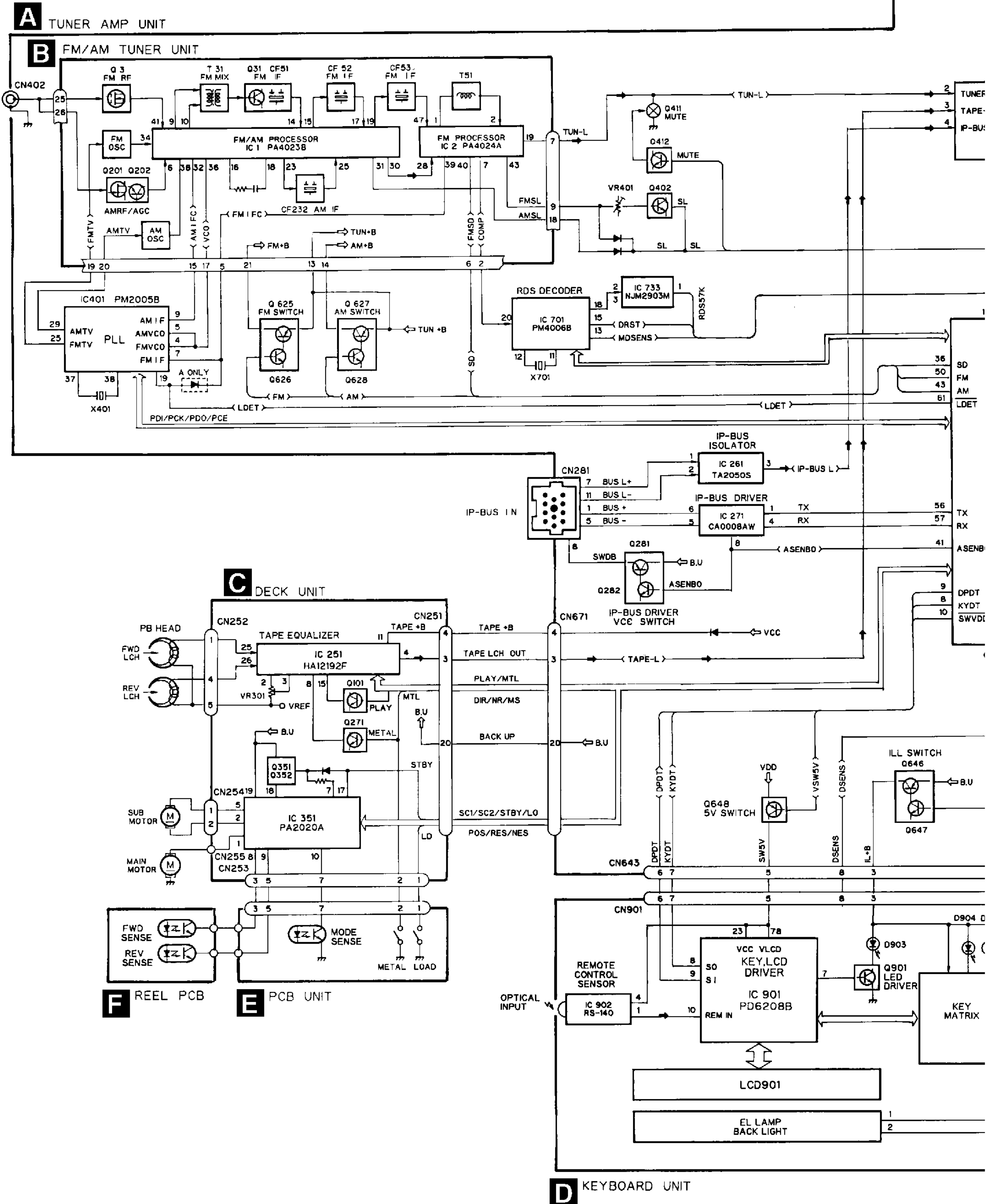


Fig. 27

7.3 BLOCK DIAGRAM



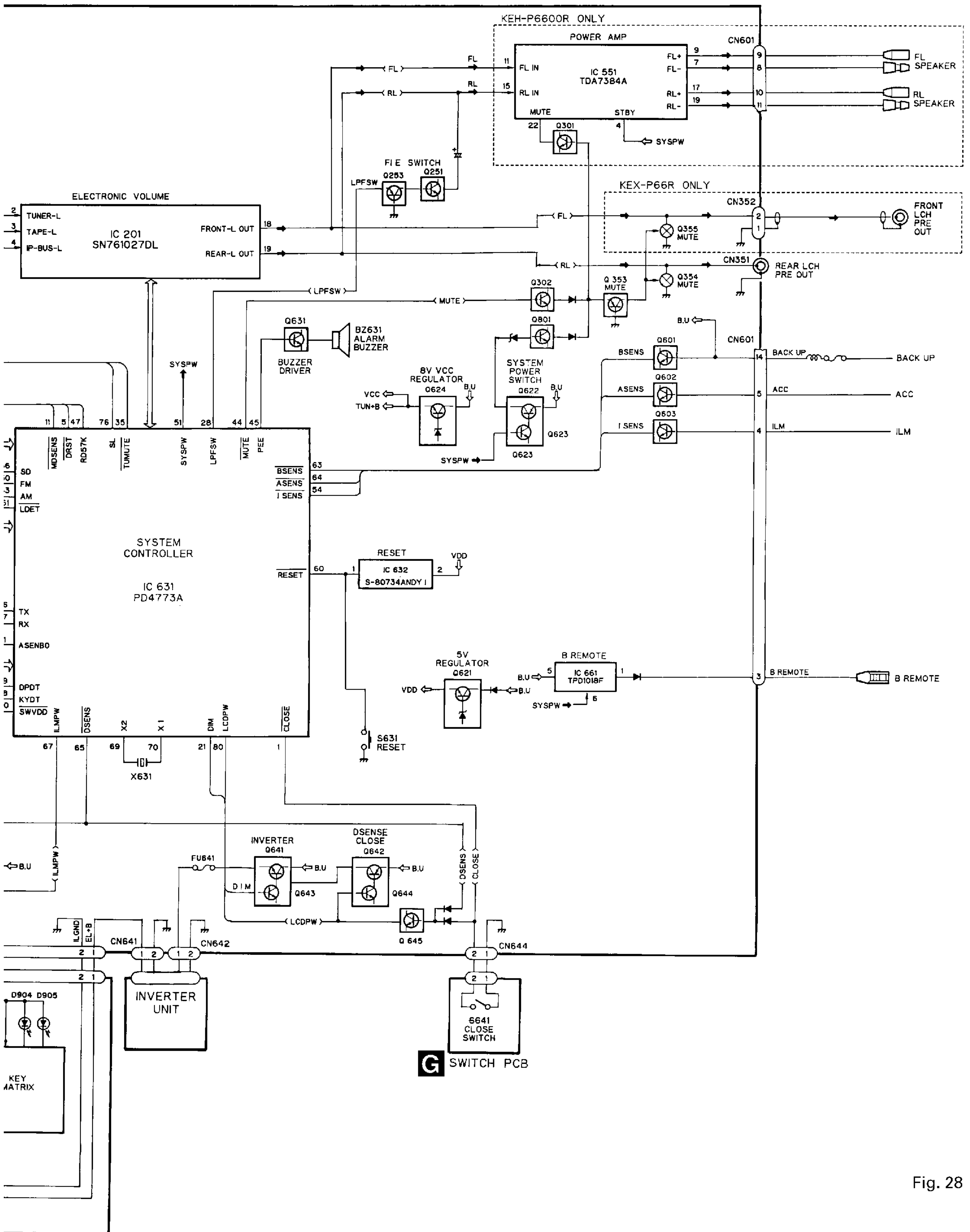


Fig. 28

8. OPERATIONS AND SPECIFICATIONS

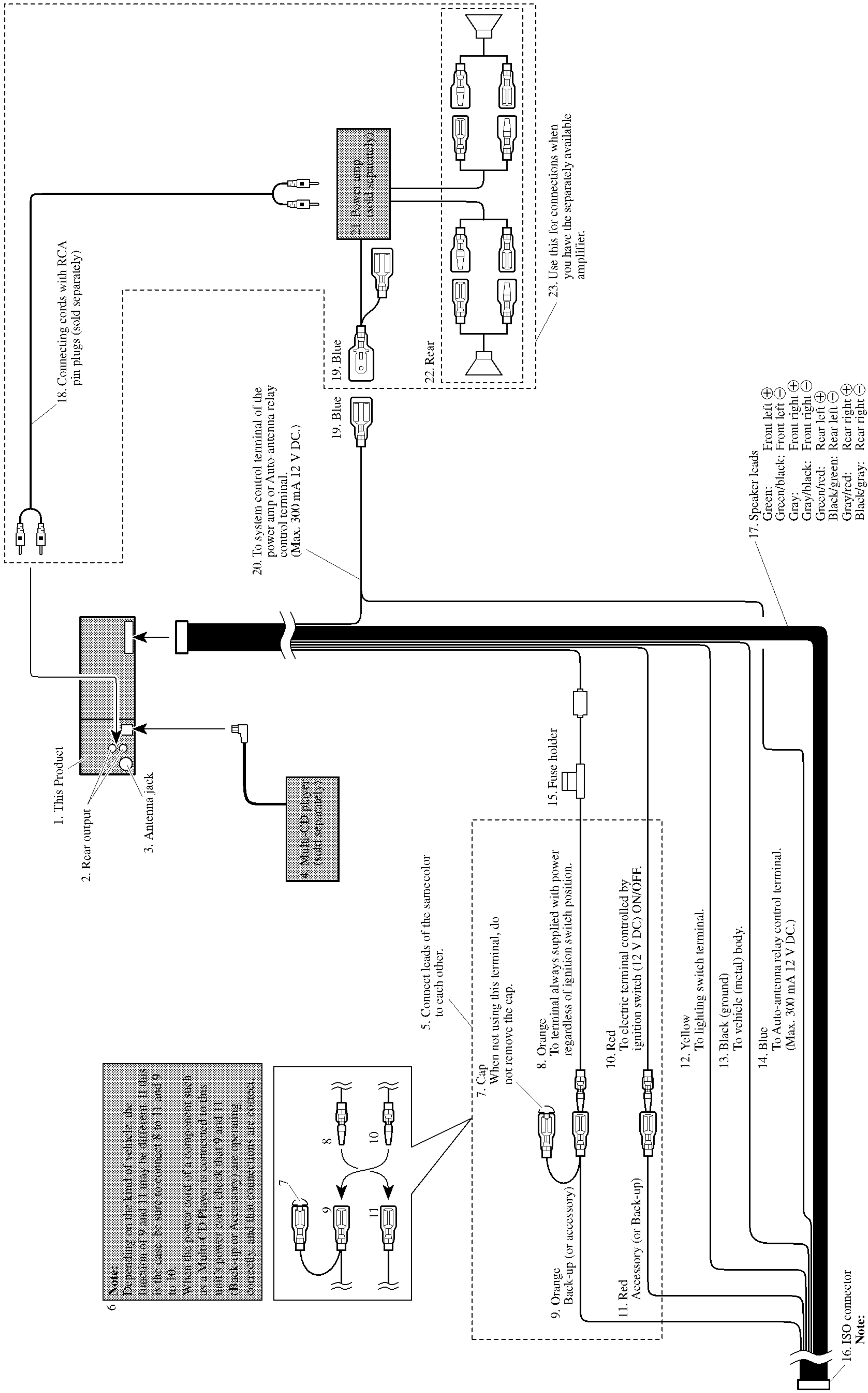
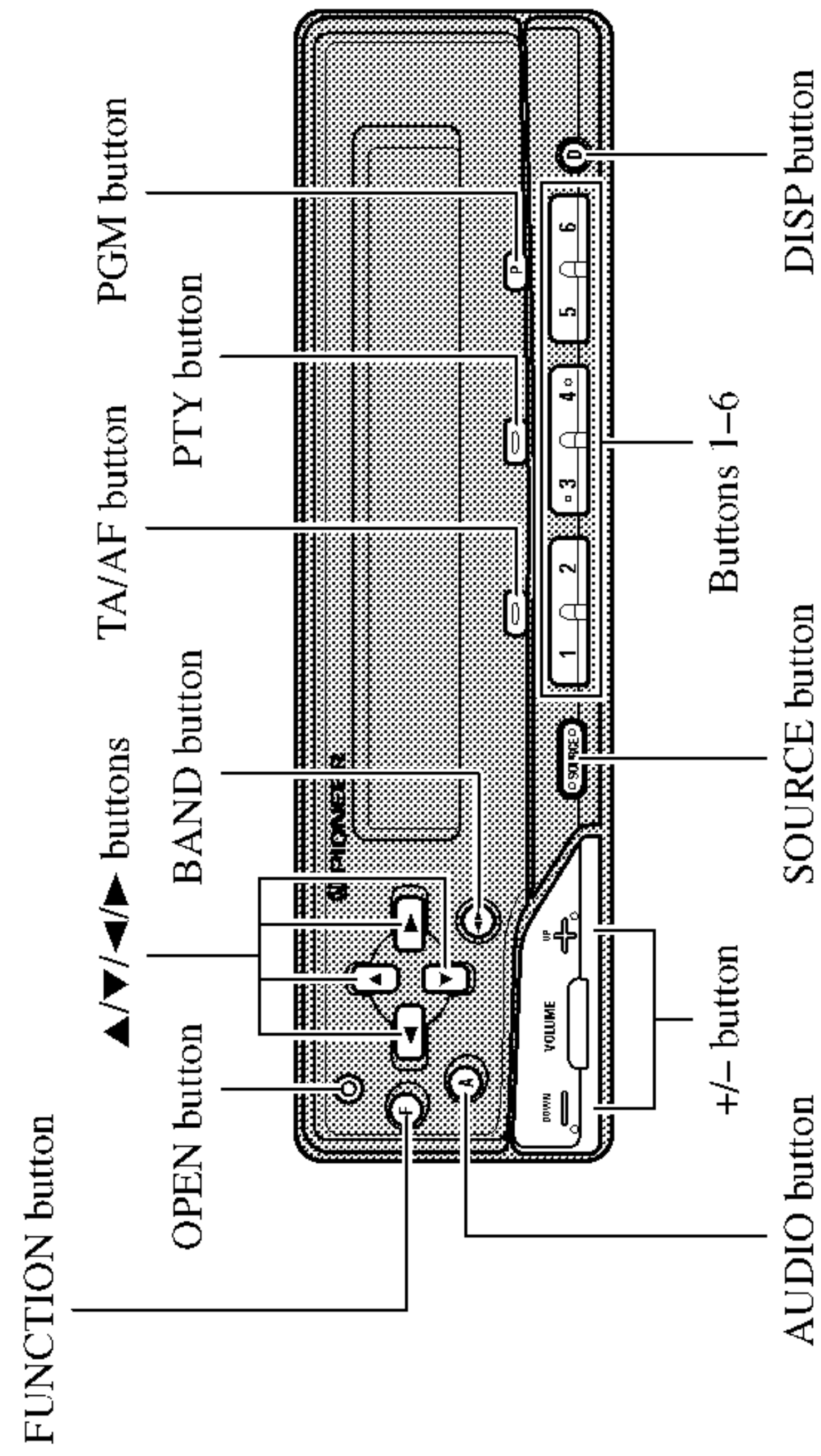


Fig. 29

Key Finder

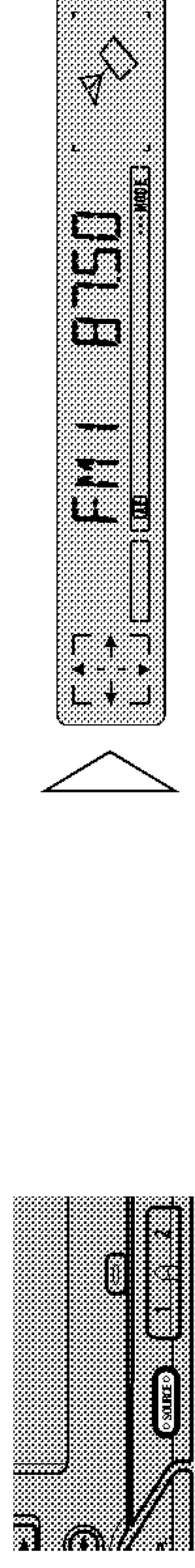
■ Head Unit



Basic Operation

Switching Power ON/OFF

- Select the desired source (such as the tuner).



■ Head Unit

Each press of the SOURCE button selects the desired source in the following order:

Tuner → Tape → Multi-CD player → AUX

To switch the sources OFF, hold down the SOURCE button for 1 second or more.

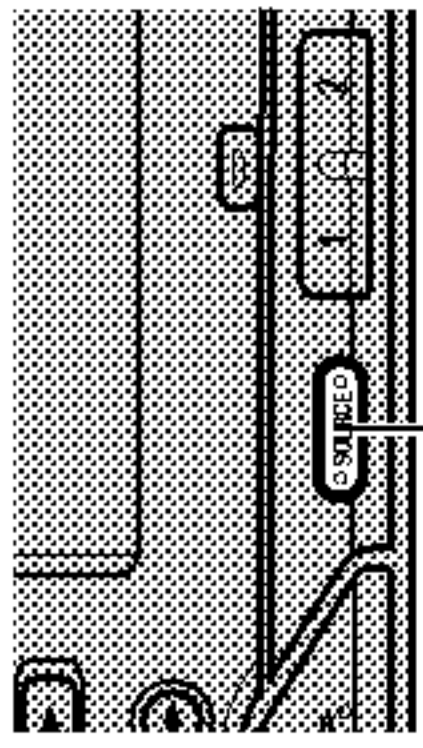
Note:

- In the following cases, the sound source will not change:
 - * No Multi-CD player is connected to this product.
 - * No cassette tape is set in this product.
 - * No magazine is set in the Multi-CD player.
 - * AUX (external input) is set to OFF.

Tuner Operation

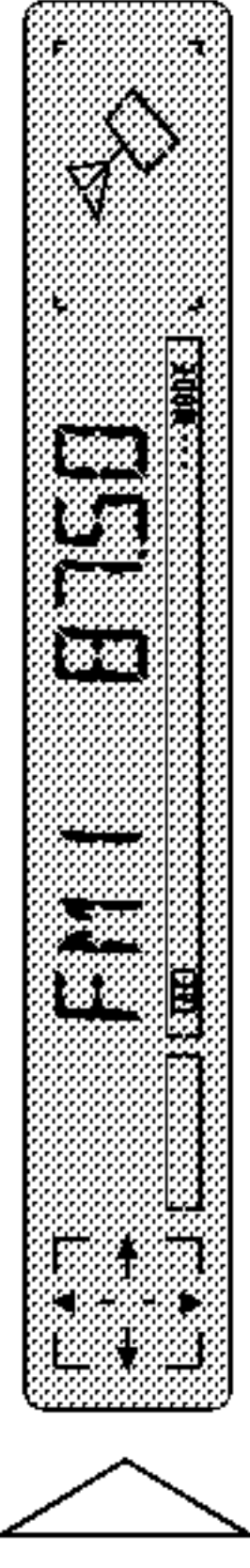
Basic Operation of Tuner

1. Select Tuner.

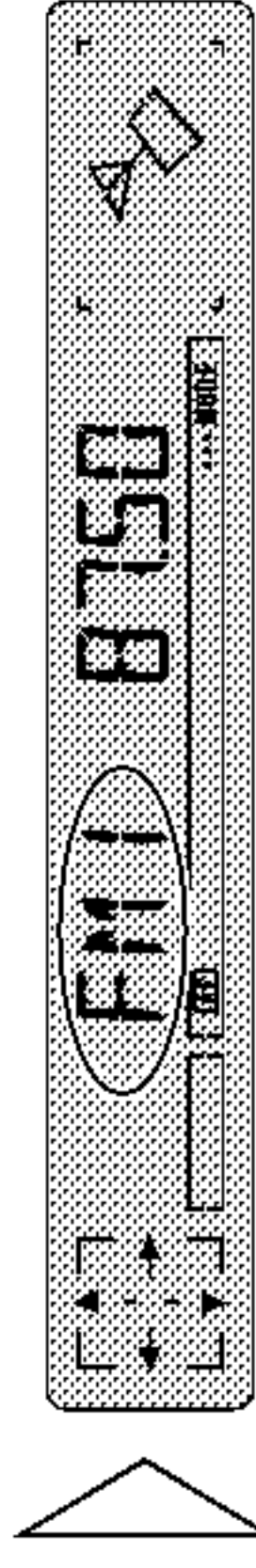
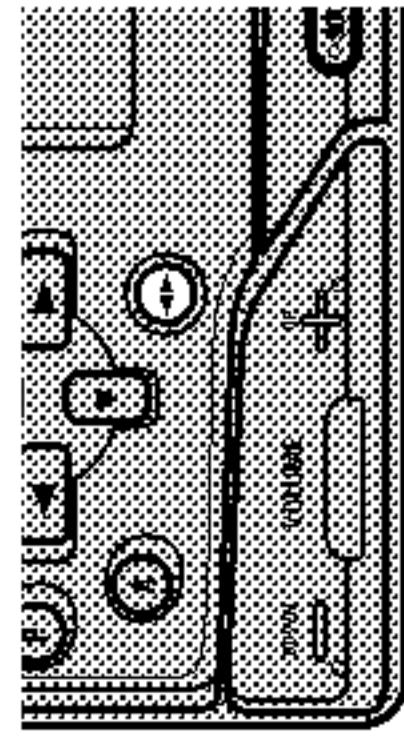


Each press changes the Source ...

The program service name or frequency appears on the display.

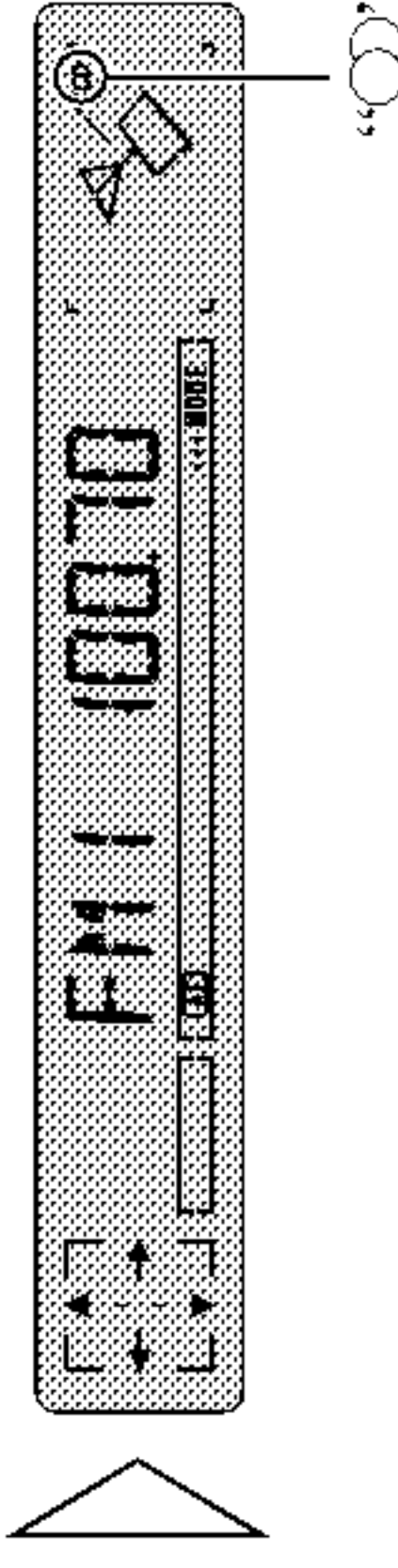
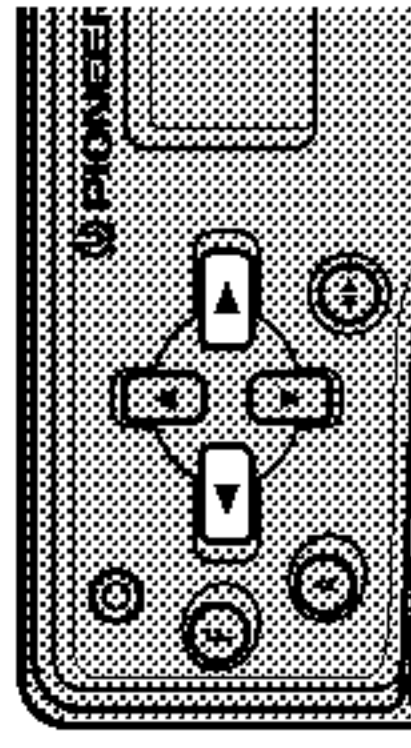


2. Select the desired band.



FM1 → FM2 → FM3 → MW/LW

3. Tune the receiver to a higher or lower frequency.



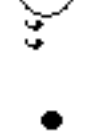
This product's tuner lets you select the tuning by changing the length of the time you press the button.

| | |
|------------------------------|---------------------|
| Manual Tuning (step by step) | 0.3 seconds or less |
|------------------------------|---------------------|

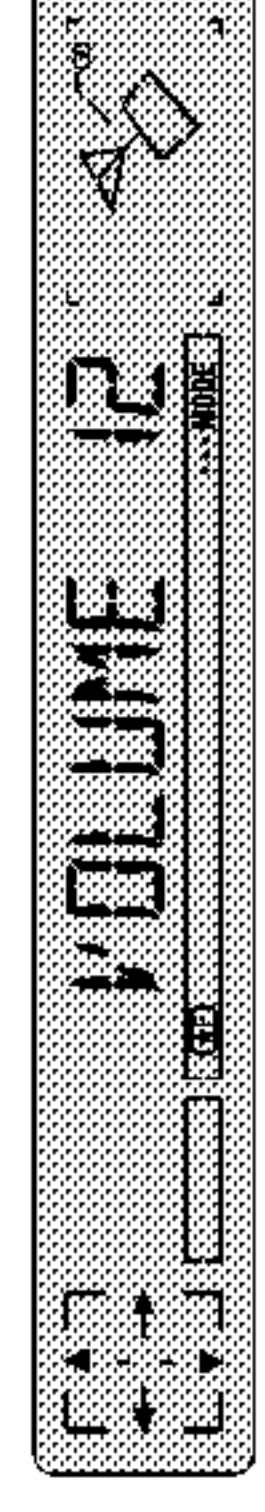
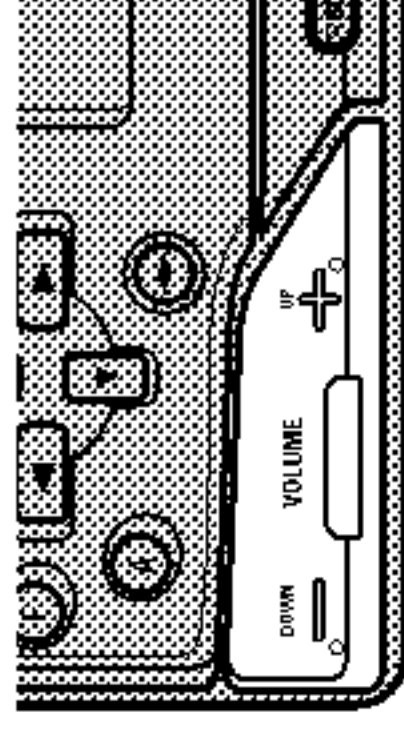
| | |
|-----------------------------|-----------------|
| Seek Tuning (automatically) | 0.3 – 2 seconds |
|-----------------------------|-----------------|

| | |
|------------------------------|-------------------|
| Manual Tuning (continuously) | 2 seconds or more |
|------------------------------|-------------------|

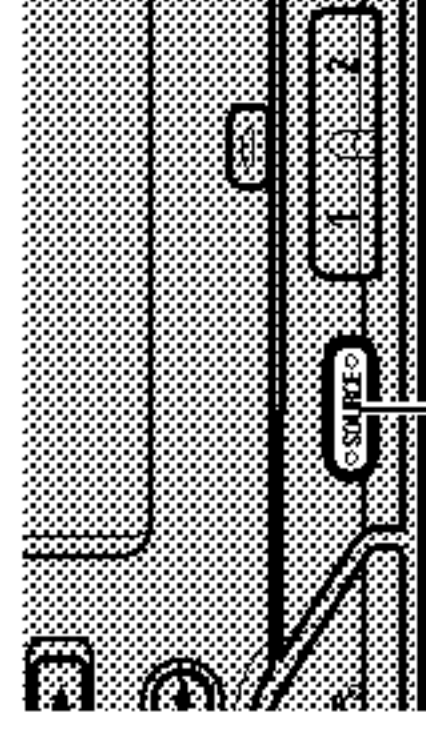
Note:

- “” indicator lights when a stereo station is selected.
- To select a weak broadcasting station that cannot be tuned in with the Seek Tuning function, tune in with Manual Tuning.

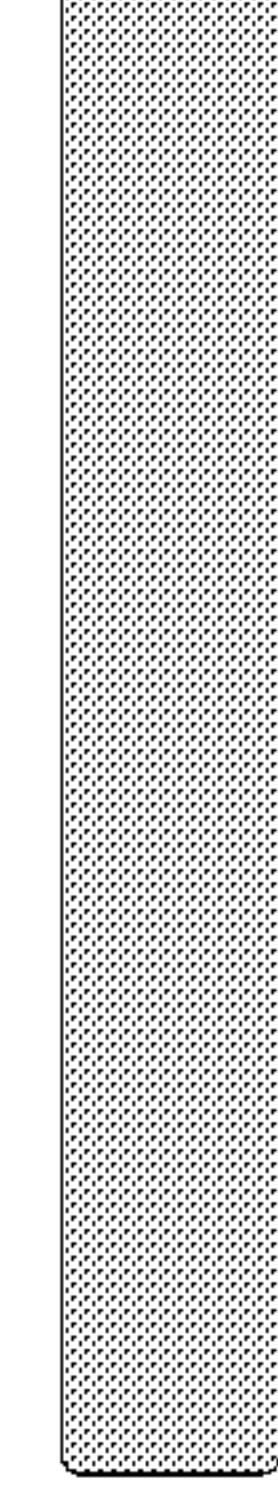
4. Raise or lower the volume.



5. Turn the source OFF.



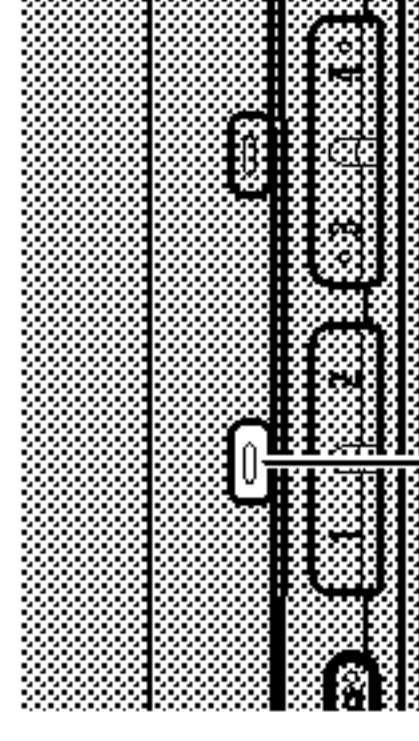
Hold for 1 second



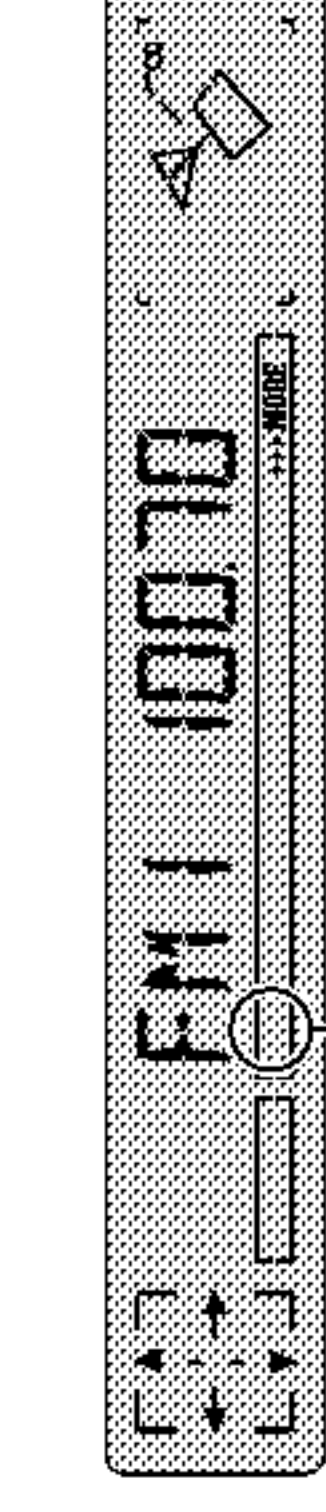
AF Function Switching

This product's AF function can be switched ON and OFF. AF should be switched OFF for normal tuning operations.

• Switch AF OFF.



Hold for 2 seconds



“AF” disappears

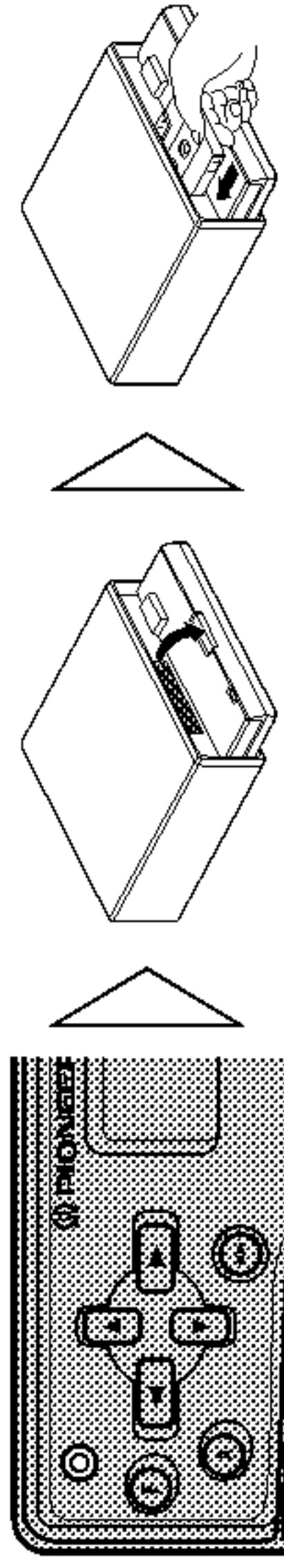
To switch AF ON, repeat the preceding operation.

Note:

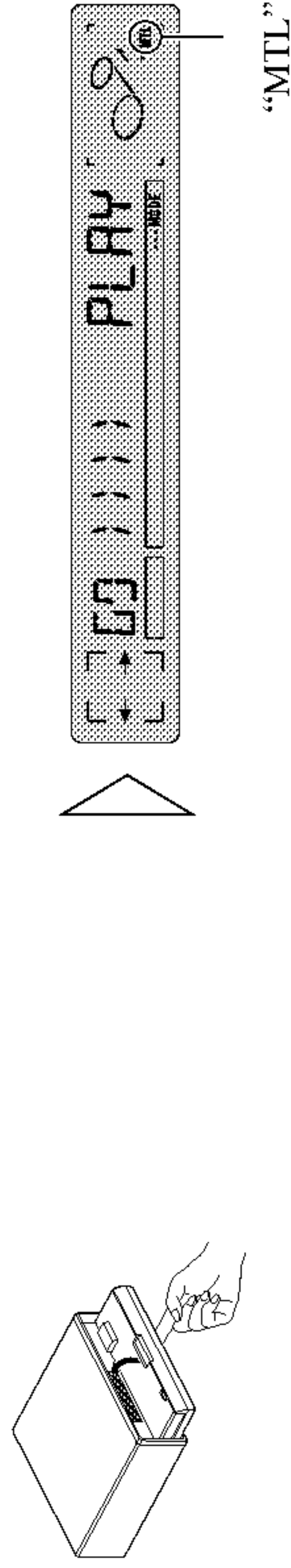
- You can also switch the AF Function ON/OFF in the Function Menu.

Basic Operation of Cassette Player

1. Open the front panel and insert the cassette tape.

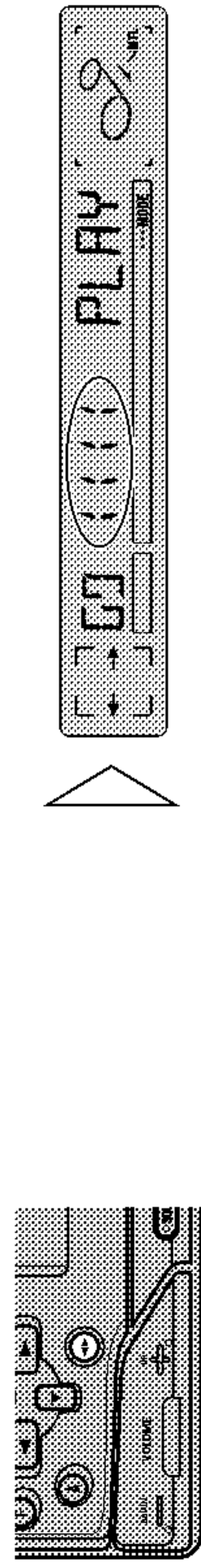


2. Close the front panel by swinging it gently upward.

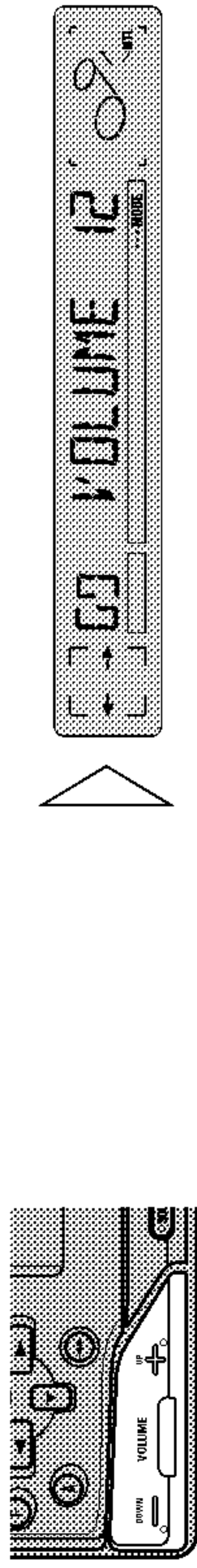


“MTL” appears automatically when a metal or chrome tape is inserted. Nothing is displayed for a normal tape.

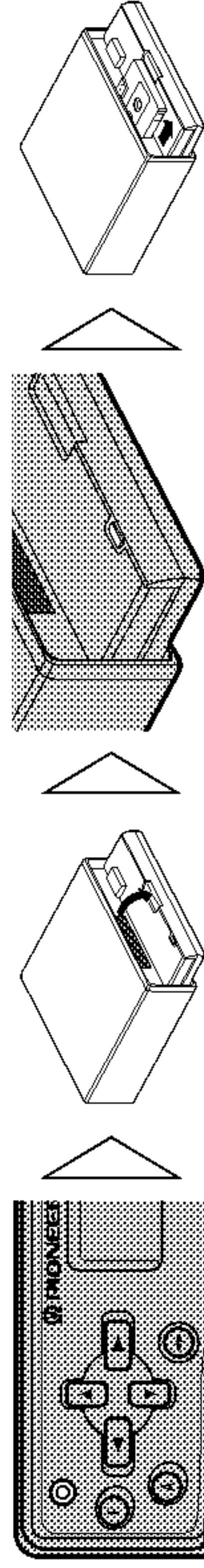
3. Switch tape playback from side A to side B, or vice versa.



4. Raise or lower the volume.



5. Open the front panel and remove the cassette tape.



Be sure to close the front panel after removing the cassette tape.

Note:

- The Tape function can only be turned ON/OFF with the cassette tape remaining in this product. (See page 51.)

Fast Forward/Rewind and Music Search

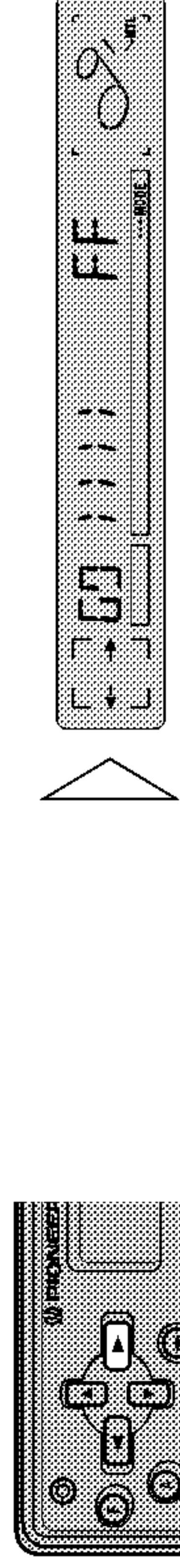
Fast Forward and Forward-Music Search

While “FF” is displayed, the system fast-forwards the cassette tape to the end of the current side.

While “F-MS” is displayed, the system winds the cassette tape forward to the beginning of the next song, then play begins from that point.

- **Select the desired mode in the following order:**

FF → F-MS → Normal playback



Note:

- Fast Forward (FF) and Forward-Music Search (F-MS) can be canceled by pressing the BAND button during FF or F-MS operation.

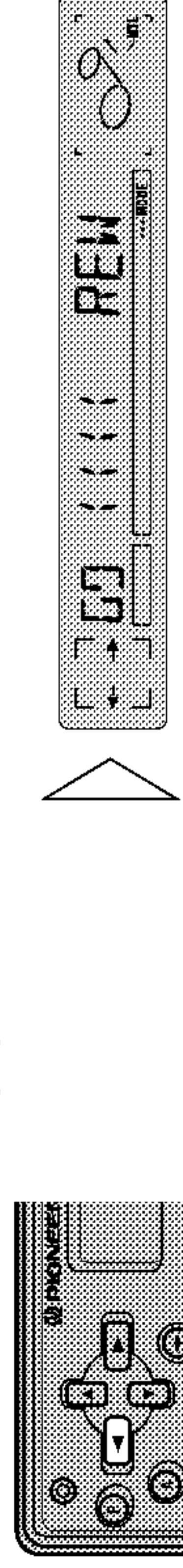
Rewind and Rewind-Music Search

While “REW” is displayed, the system rewinds the cassette tape to the beginning of the current side.

While “R-MS” is displayed, the system rewinds the cassette tape to the beginning of the current song, then play begins from that point.

- **Select the desired mode in the following order:**

REW → R-MS → Normal playback



Note:

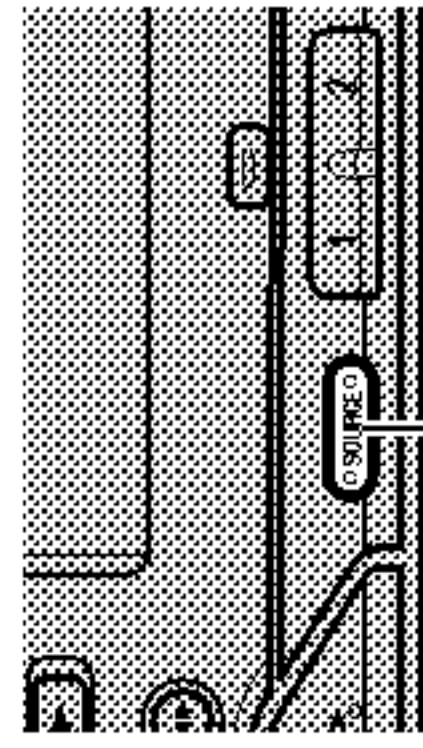
- Rewind (REW) and Rewind-Music Search (R-MS) can be canceled by pressing the BAND button during the REW or R-MS operation.

Using Multi-CD Players

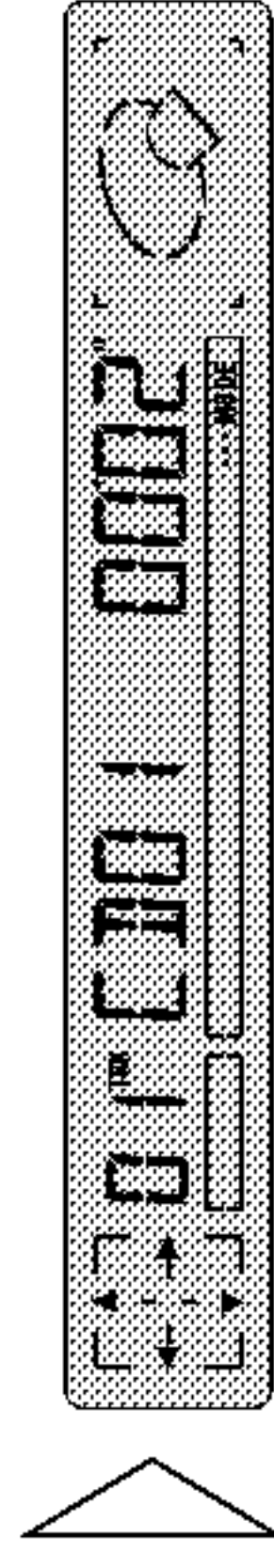
This product can control one or more multi-CD players.

Basic Operation of Multi-CD Players

1. Select the multi-CD player source.



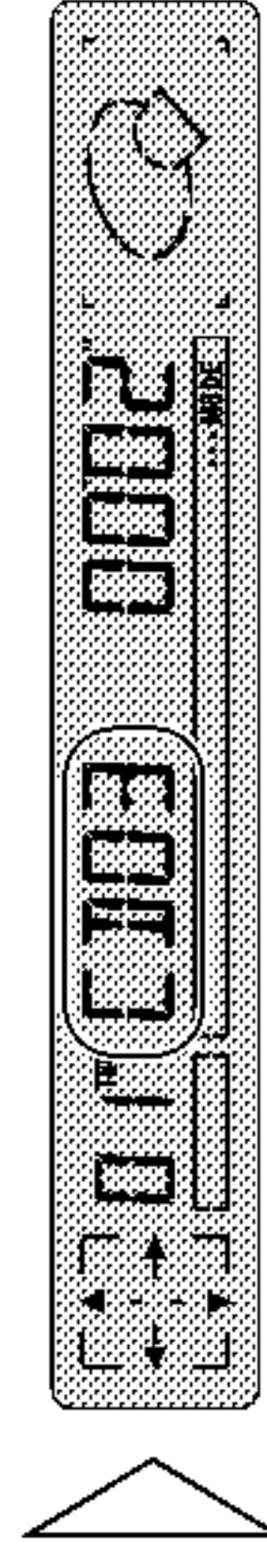
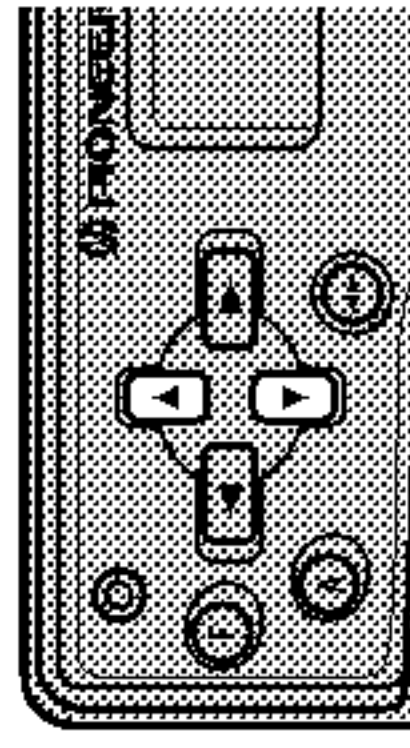
Each press changes the Source ...



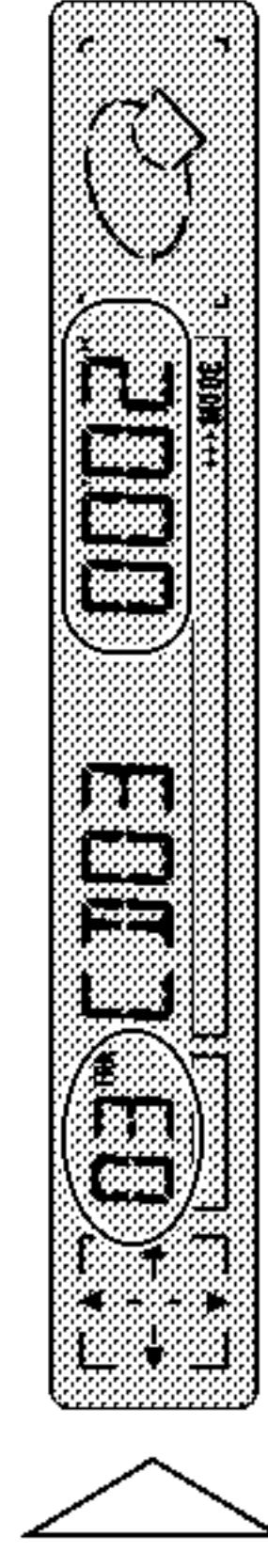
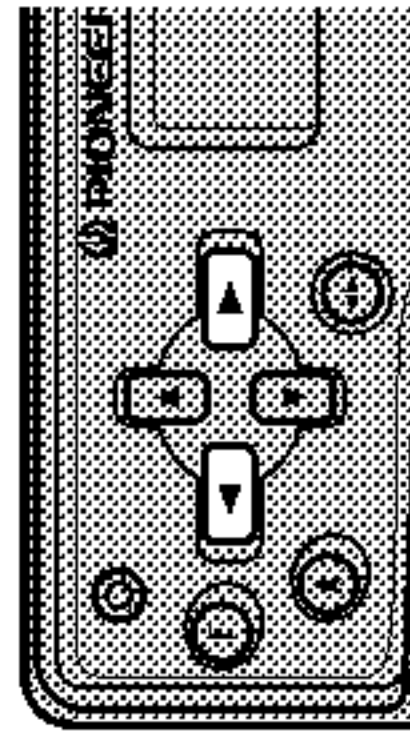
Note:

- The multi-CD player may perform a preparatory operation, such as verifying the presence of a disc or reading disc information, when the power is turned ON or a new disc is selected for playback. "READY" is displayed.
- If the multi-CD player cannot operate properly, an error message such as "ERROR-14" is displayed. Refer to the multi-CD player owner's manual.
- If there are no discs in the multi-CD player magazine, "NO DISC" is displayed.

2. Select the desired disc.



3. Select the desired track (or fast-forward/reverse, per the chart below).

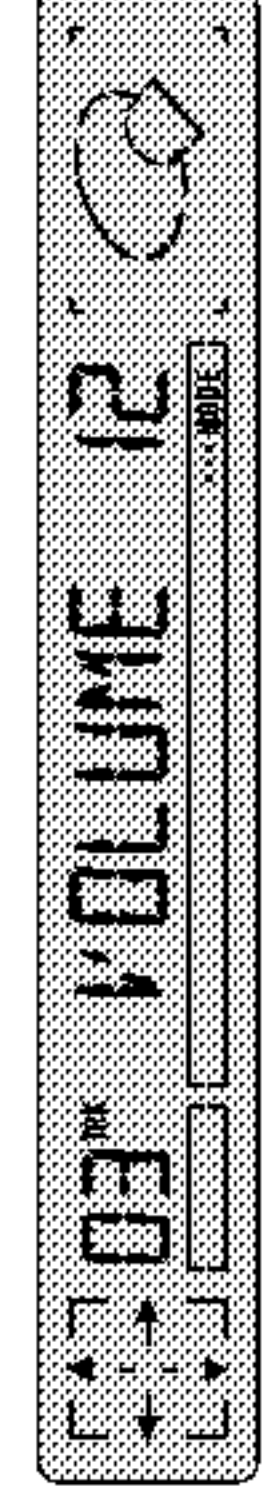
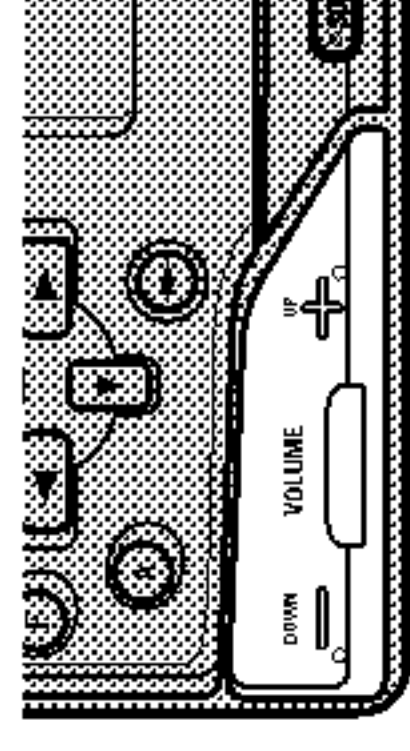


This product lets you select the track search function or fast-forward/reverse function by changing the length of the time you press the button.

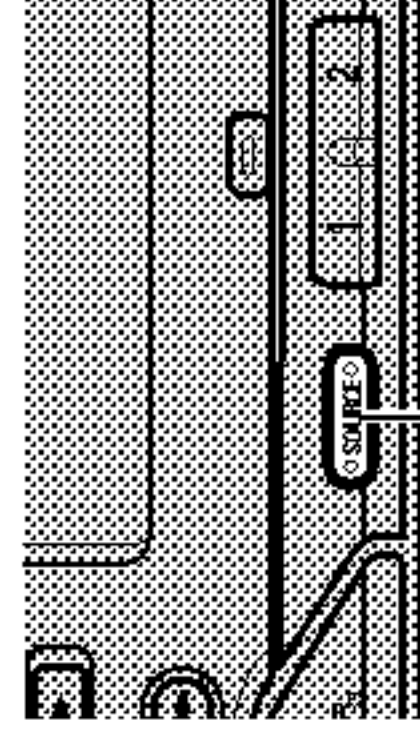
| | |
|----------------------|---------------------|
| Track search | 0.5 seconds or less |
| Fast-forward/Reverse | Continue pressing |

Using Multi-CD Players

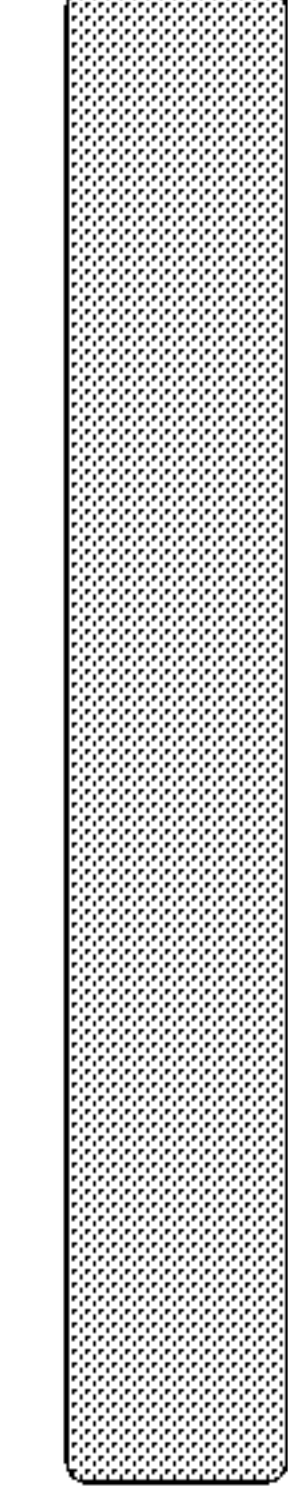
4. Raise or lower the volume.



5. Turn the source OFF.



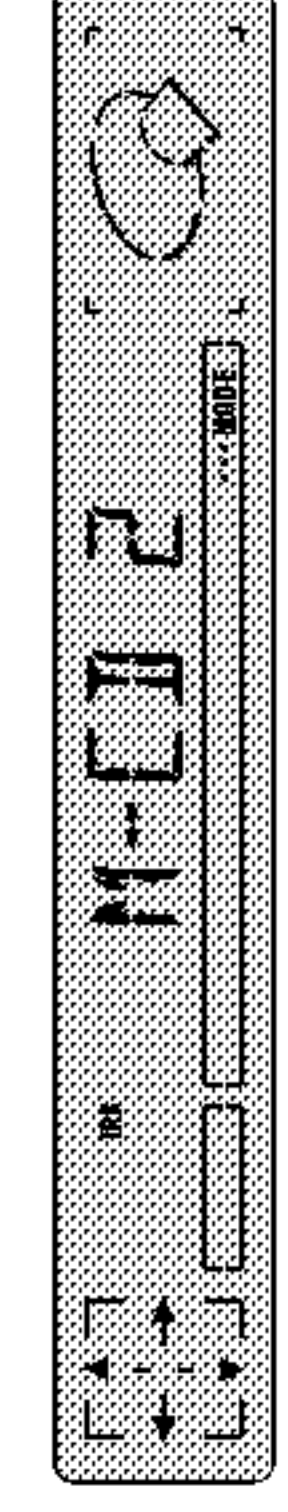
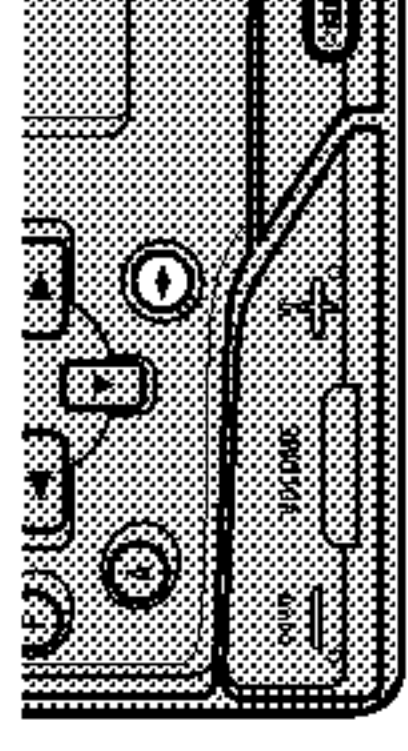
Hold for 1 second



Switching the Multi-CD Player

It is possible to connect up to three multi-CD players by means of a multiple installation adapter. When two or more multi-CD players are installed, their priorities must be specified. Follow the multi-CD player instructions carefully, and set the address switches properly.

- Select the multi-CD player you want to use.



M-CD 1 → M-CD 2 → M-CD 3

Specifications

Disc Number Search

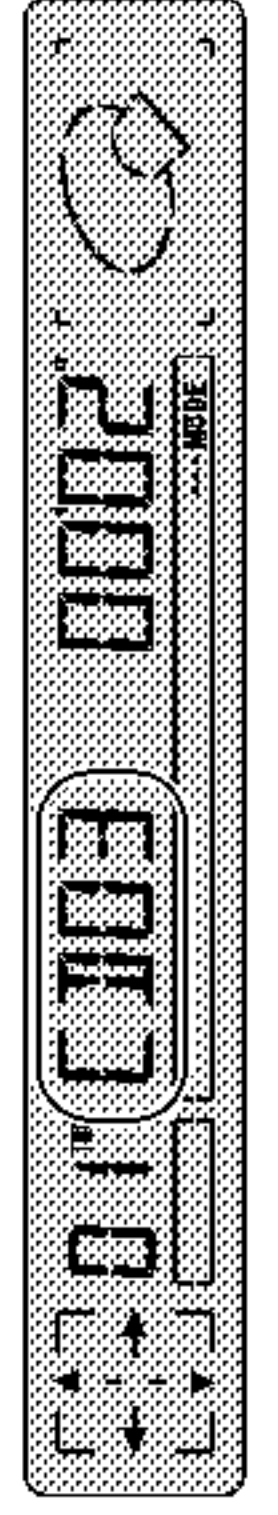
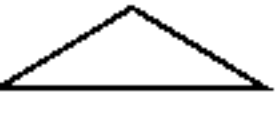
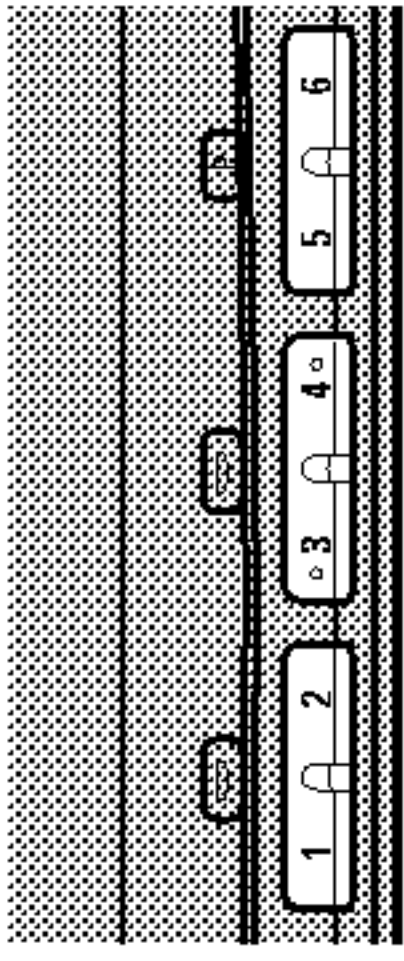
■ Disc Number Search (for 6-Disc, 12-Disc types)

You can select discs directly with the 1 to 6 buttons. Just press the number corresponding to the disc you want to listen to.

Note:

- When a 12-Disc Multi-CD Player is connected and you want to select disc 7 to 12, press the 1 to 6 buttons for 2 seconds or longer.

- **Select the desired disc. (eg. Press button 3.)**



General

Power source 14.4 V DC (10.8 – 15.1 V allowable)
 Grounding system Negative type
 Max. current consumption 8.5 A
 (KEH-P6600R) 1.0 A
 (KEX-P66R)
 Dimensions
 (mounting size) 178 (W) × 50 (H) × 150 (D) mm
 (front face) 188 (W) × 58 (H) × 19 (D) mm
 Weight
 (KEH-P6600R) 1.4 kg
 (KEX-P66R) 1.3 kg

Amplifier

(KEH-P6600R)

Maximum power output 35 W × 4
 Continuous power output 22 W × 4
 (DIN45324, +B = 14.4 V)
 Load impedance 4 Ω (4 – 8 Ω allowable)
 Preout output level/output impedance 500 mV/1 kΩ
 Tone controls
 (Bass) ±12 dB (100 Hz)
 (Treble) ±12 dB (10 kHz)
 Loudness contour +10 dB (100 Hz), +7 dB (10 kHz)
 (volume: –30 dB)

Amplifier

(KEX-P66R)

Preout output level/output impedance 500 mV/1 kΩ
 Tone controls
 (Bass) ±12 dB (100 Hz)
 (Treble) ±12 dB (10 kHz)
 Loudness contour +10 dB (100 Hz), +7 dB (10 kHz)
 (volume: –30 dB)

Cassette player

Tape Compact cassette tape (C-30 – C-90)
 Tape speed 4.76 cm/sec. (+0.14 cm/sec. –0.05 cm/sec.)
 Fast forward/rewinding time .. Approx. 100 sec. for C-60
 Wow & flutter 0.09% (WRMS)
 Frequency response
 (KEH-P6600R)
 Metal: 30 – 19,000 Hz (±3 dB)
 (KEX-P66R)
 Metal: 25 – 19,000 Hz (±3 dB)

Stereo separation

(KEH-P6600R) 45 dB
 (KEX-P66R) 50 dB

Signal-to-noise ratio

..... Metal: Dolby B NR IN: 67 dB (IEC-A network)
 Dolby NR OUT: 61 dB (IEC-A network)

FM tuner

Frequency range 87.5 – 108 MHz
 Usable sensitivity
 11 dBf (1.0 μV/75 Ω, mono, S/N: 30 dB)
 50 dB quieting sensitivity 16 dBf (1.7 μV/75 Ω, mono)
 Signal-to-noise ratio 70 dB (IEC-A network)
 Distortion 0.3% (at 65 dBf, 1 kHz, stereo)
 Frequency response 30 – 15,000 Hz (±3 dB)
 Stereo separation 40 dB (at 65 dBf, 1 kHz)

MW tuner

Frequency range 531 – 1,602 kHz
 Usable sensitivity 18 μV (25 dB) (S/N: 20 dB)
 Selectivity 50 dB (±9 kHz)

LW tuner

Frequency range 153 – 281 kHz
 Usable sensitivity 30 μV (30 dB) (S/N: 20 dB)
 Selectivity 50 dB (±9 kHz)

Note:

- Specifications and the design are subject to possible modification without notice due to improvements.