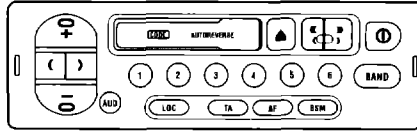


Service Manual

PIONEER®
The Art of Entertainment
RENAULT



ORDER NO.
CRT1884

RADIO CASSETTE

KEH-M1066ZRN EW

| VEHICLE | DESTINATION | PRODUCED AFTER | RENAULT PART No. | ID No. | PIONEER MODEL No. |
|---------|-------------|----------------|------------------|--------|-------------------|
| SPACE | EUROPE | January 1997 | 6025 30 7754 | — | KEH-M1066ZRN/EW |

- See the separate manual CX-644(CRT1800) for the cassette mechanism description.
- The cassette mechanism assy employed in this model is one of X-2M series.

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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.

2. EXPLODED VIEWS AND PARTS LIST

2.1 PACKING

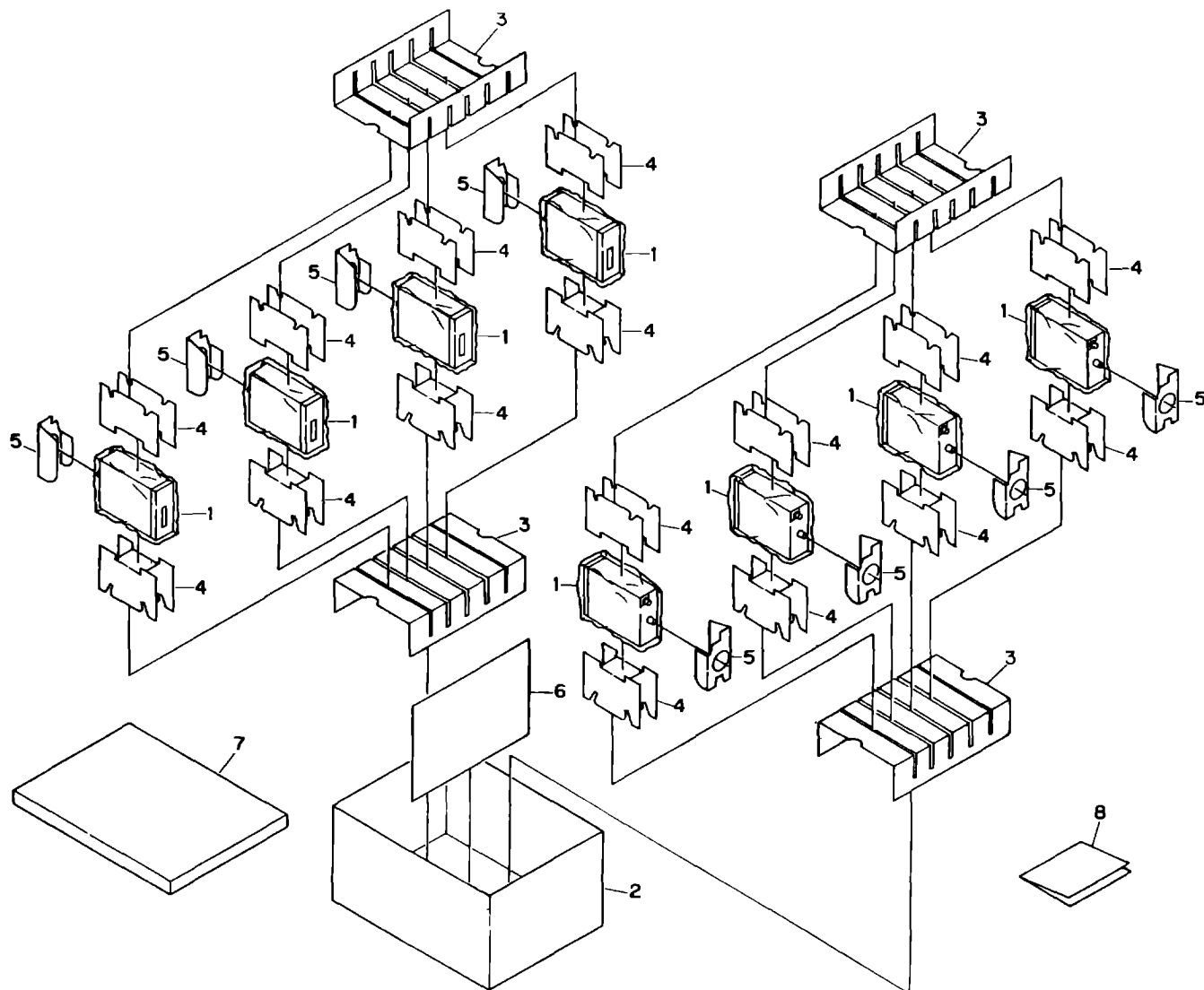


Fig. 1

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. | Mark No. | Description | Part No. |
|----------|------------------|----------|----------|--|----------|
| 1 | Polyethylene Bag | CEG-162 | 6 | Board | CHW1608 |
| 2 | Contain Box | CHL3154 | 7 | Lid | CHW1584 |
| 3 | Protector | CHP1900 | 8 | Owner's Manual (English, French, German, Spanish, Italian, Dutch, Portuguese) | CRD2189 |
| 4 | Protector | CHP1901 | | | |
| 5 | Protector | CHP1902 | | | |

2.2 EXTERIOR

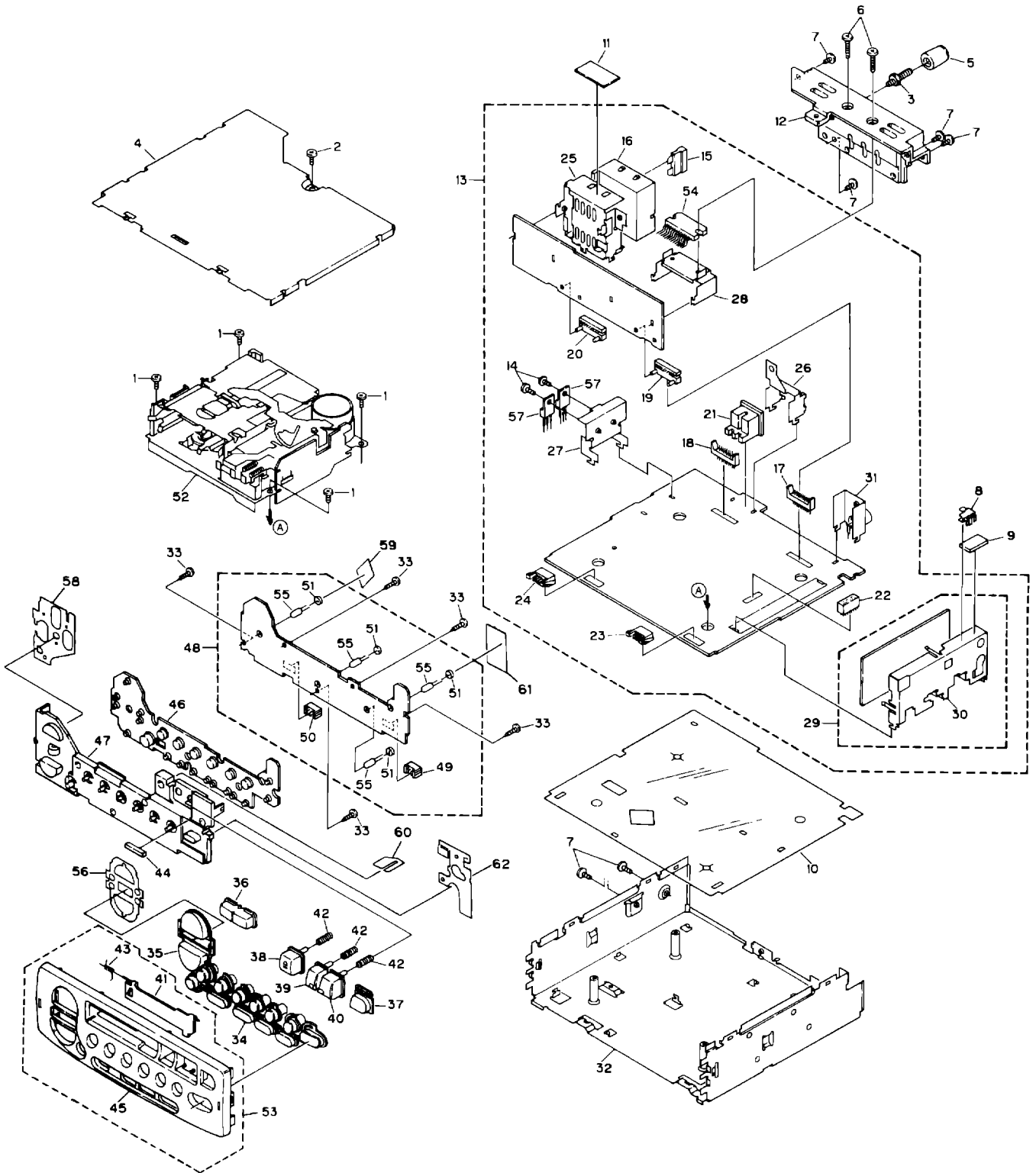


Fig. 2

● Parts List

| Mark No. | Description | Part No. | Mark No. | Description | Part No. |
|----------|-------------------|--------------|----------|-------------------------|--------------|
| 1 | Screw | BSZ26P050FMC | 31 | Holder Unit | CXA9337 |
| 2 | Screw | BSZ30P060FMC | 32 | Chassis Unit | CXA9336 |
| 3 | Screw | CBA1002 | 33 | Screw | BPZ20P080FMC |
| 4 | Case | CNB2084 | 34 | Button(1-6) | CAC4819 |
| 5 | Bush | CNV3253 | 35 | Button(+ -) | CAC4820 |
| 6 | Screw | BMZ26P150FMC | 36 | Button(<>) | CAC4821 |
| 7 | Screw | BSZ30P060FMC | 37 | Button(I) | CAC4822 |
| 8 | Holder | CNC5704 | 38 | Button(EJECT) | CAC4823 |
| 9 | Spacer | CNM3908 | 39 | Button(<) | CAC4824 |
| 10 | Insulator | CNM4929 | 40 | Button(>) | CAC4825 |
| 11 | Spacer | CNM5270 | 41 | Door | CAT1789 |
| 12 | Heat Sink | CNR1429 | 42 | Spring | CBH1836 |
| 13 | Tuner Amp Unit | CWM4848 | 43 | Spring | CBH1838 |
| 14 | Screw | BSZ26P080FMC | 44 | Cushion | CNM5252 |
| 15 | Fuse(10A) | CEK1136 | 45 | Grille | CNS4136 |
| 16 | Connector(CN301) | CKM1088 | 46 | Rubber | CNV4687 |
| 17 | Connector(CN304) | CKS2518 | 47 | Lighting Conductor | CNV4688 |
| 18 | Connector(CN305) | CKS2518 | 48 | Key Board Unit | CWM4849 |
| 19 | Connector(CN302) | CKS2528 | 49 | Connector(CN903) | CKS3561 |
| 20 | Connector(CN303) | CKS2528 | 50 | Connector(CN904) | CKS3561 |
| 21 | DIN Socket(CN651) | CKS3189 | 51 | Bush | CNV-724 |
| 22 | Connector(CN101) | CKS3362 | 52 | Cassette Mechanism Assy | EXK3457 |
| 23 | Plug(CN901) | CKS3533 | 53 | Grille Unit | CXB1385 |
| 24 | Plug(CN902) | CKS3533 | 54 | IC(IC301) | TDA7385 |
| 25 | Holder | CNC5144 | 55 | Lamp(IL901-904)) | CEL1484 |
| 26 | Holder | CNC6702 | 56 | Cover | CNM5289 |
| 27 | Holder | CNC6703 | 57 | Transistor(Q804,901) | 2SD2395 |
| 28 | Holder | CNC6817 | 58 | Insulator | CNM5330 |
| 29 | FM/AM Tuner Unit | CWE1466 | 59 | Insulator | CNM5331 |
| 30 | Holder | CNC6554 | 60 | Insulator | CNM5332 |
| | | | 61 | Insulator | CNM5333 |
| | | | 62 | Insulator | CNM5334 |

2.3 CASSETTE MECHANISM ASSY

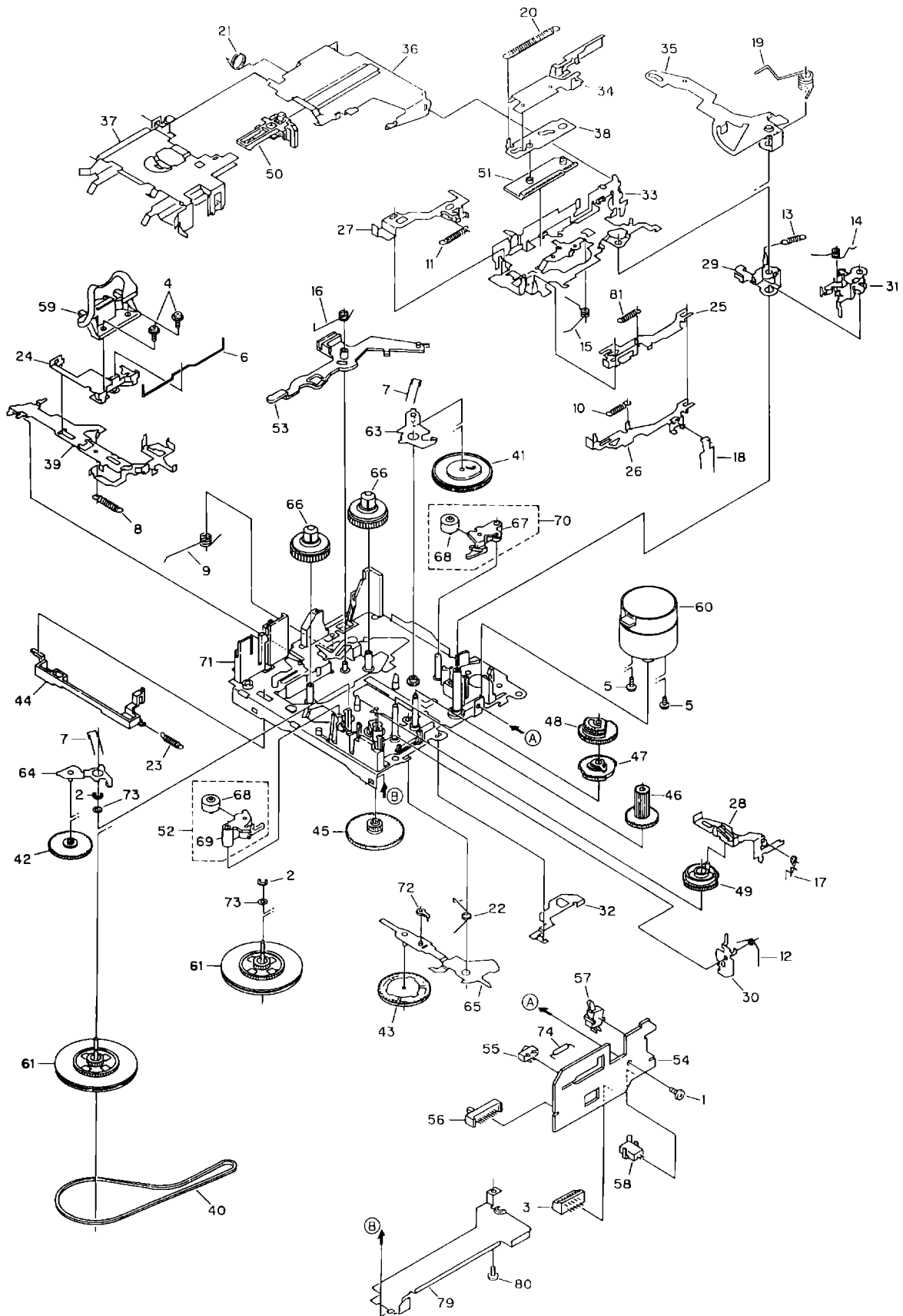


Fig. 3

● Parts List

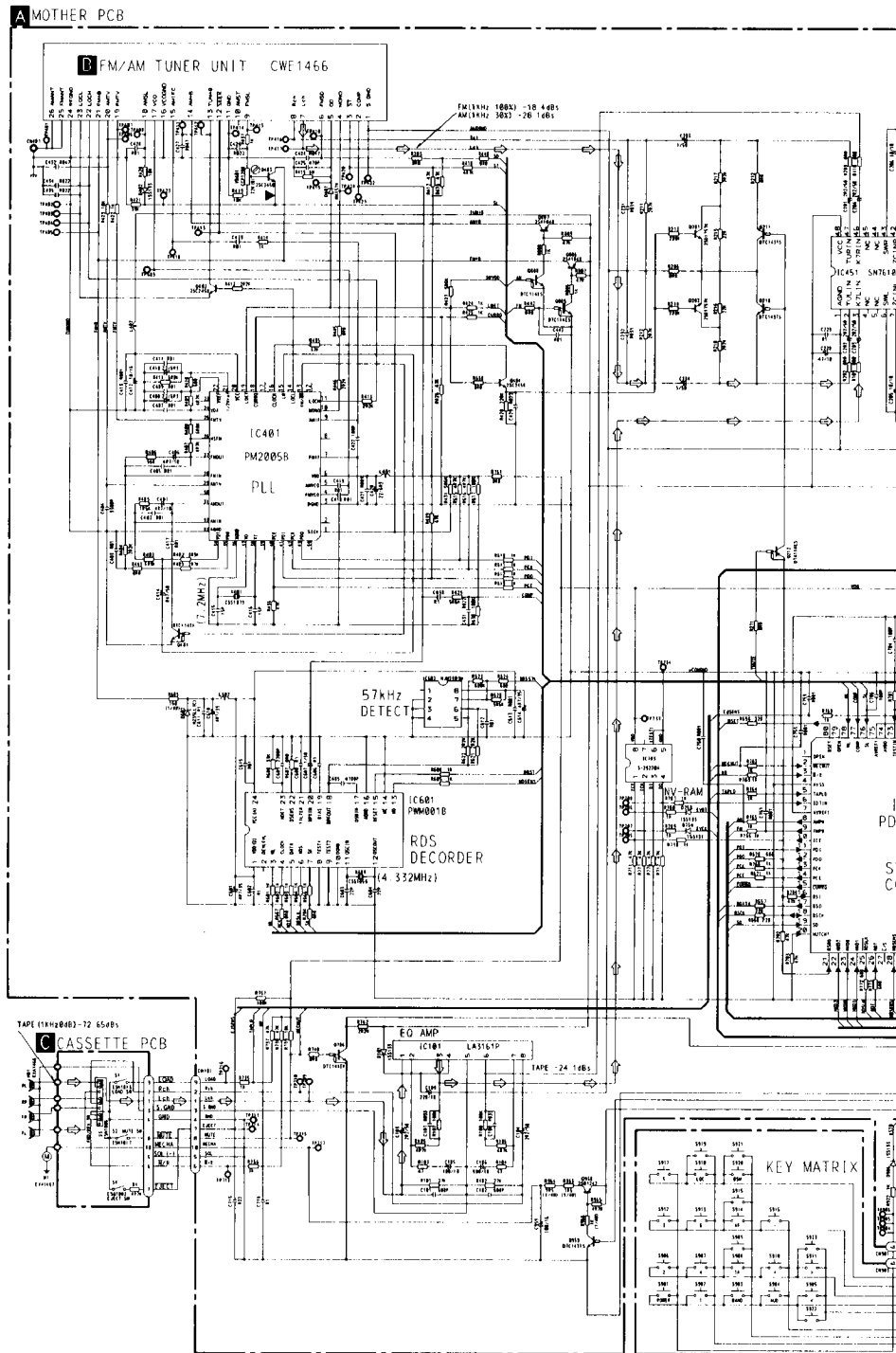
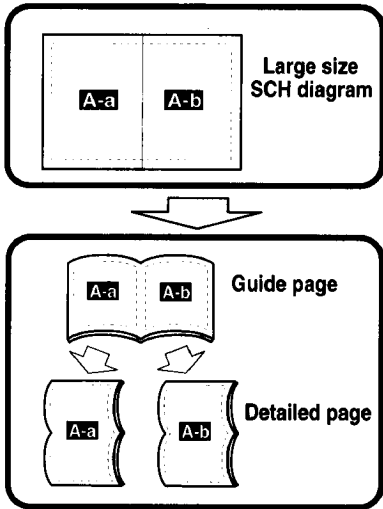
| Mark No. | Description | Part No. | Mark No. | Description | Part No. |
|----------|----------------|--------------|----------|----------------------|--------------|
| 1 | Screw | BSZ23P050FMC | 41 | Gear | ENV1504 |
| 2 | Washer | CBG1003 | 42 | Gear | ENV1470 |
| 3 | Connector(CN1) | CKS2829 | 43 | Gear | ENV1471 |
| 4 | Screw(M2x5) | EBA1028 | 44 | Lever | ENV1472 |
| 5 | Screw(M2x2.5) | EBA1037 | 45 | Gear | ENV1474 |
| 6 | Spring | EBH1554 | 46 | Gear | ENV1475 |
| 7 | Spring | EBH1555 | 47 | Gear | ENV1512 |
| 8 | Spring | EBH1556 | 48 | Gear | ENV1513 |
| 9 | Spring | EBH1557 | 49 | Gear | ENV1502 |
| 10 | Spring | EBH1591 | 50 | Lever | ENV1480 |
| 11 | Spring | EBH1559 | 51 | Lever | ENV1487 |
| 12 | Spring | EBH1560 | 52 | Pinch Holder Unit | EXA1483 |
| 13 | Spring | EBH1561 | 53 | Arm | ENV1489 |
| 14 | Spring | EBH1562 | * 54 | P.C.Board | ENP1161 |
| 15 | Spring | EBH1563 | 55 | Switch(Eject)(S4) | ESG1006 |
| 16 | Spring | EBH1590 | 56 | Switch(FWD)(REV)(S3) | ESH1006 |
| 17 | Spring | EBH1565 | 57 | Switch(Load)(S1) | ESN1016 |
| 18 | Spring | EBH1566 | 58 | Switch(Mute)(S2) | ESN1017 |
| 19 | Spring | EBH1567 | 59 | Head Assy(HD1) | EXA1466 |
| 20 | Spring | EBH1568 | 60 | Motor Unit(M1) | EXA1467 |
| 21 | Spring | EBH1569 | 61 | Flywheel Unit | EXA1468 |
| 22 | Spring | EBH1571 | 62 | | |
| 23 | Spring | EBH1579 | 63 | Arm Unit | EXA1447 |
| 24 | Head Base | ENC1457 | 64 | Arm Unit | EXA1448 |
| 25 | Lever | ENC1429 | 65 | Arm Unit | EXA1449 |
| 26 | Lever | ENC1430 | 66 | Reel Unit | EXA1450 |
| 27 | Lever | ENC1431 | 67 | Pinch Holder | ENV1466 |
| 28 | Lever | ENC1432 | 68 | Pinch Roller | ENV1501 |
| 29 | Arm | ENC1433 | 69 | Pinch Holder | ENV1467 |
| 30 | Arm | ENC1434 | 70 | Pinch Holder Unit | EXA1482 |
| 31 | Arm | ENC1480 | 71 | Chassis Unit | EXA1465 |
| 32 | Arm | ENC1476 | 72 | Service Arm | EXX1048 |
| 33 | Bracket | ENC1437 | 73 | Washer | HBF-179 |
| 34 | Lever | ENC1438 | 74 | Resistor(R1) | RD1/4HM472J |
| 35 | Arm | ENC1439 | 75-78 | | |
| 36 | Frame | ENC1440 | 79 | Cover | ENC1452 |
| 37 | Holder | ENC1441 | 80 | Screw | BSZ23P050FMC |
| 38 | Lever | ENC1446 | 81 | Spring | EBH1592 |
| 39 | Lever | ENC1478 | | | |
| 40 | Belt | ENT1027 | | | |

3. SCHEMATIC DIAGRAM

3.1 TUNER AMP UNIT, KEY BOARD UNIT AND CASSETTE PCB(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

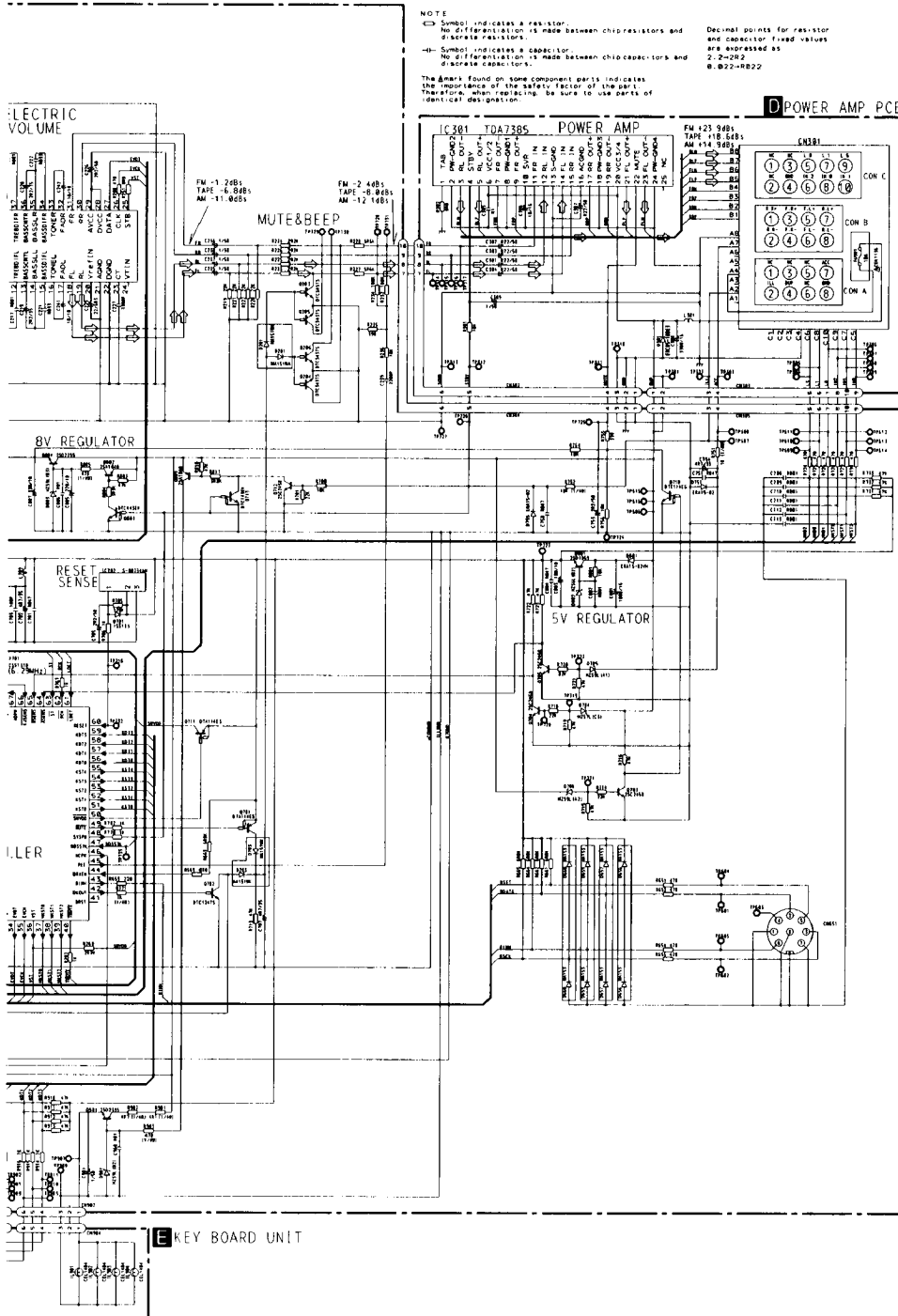
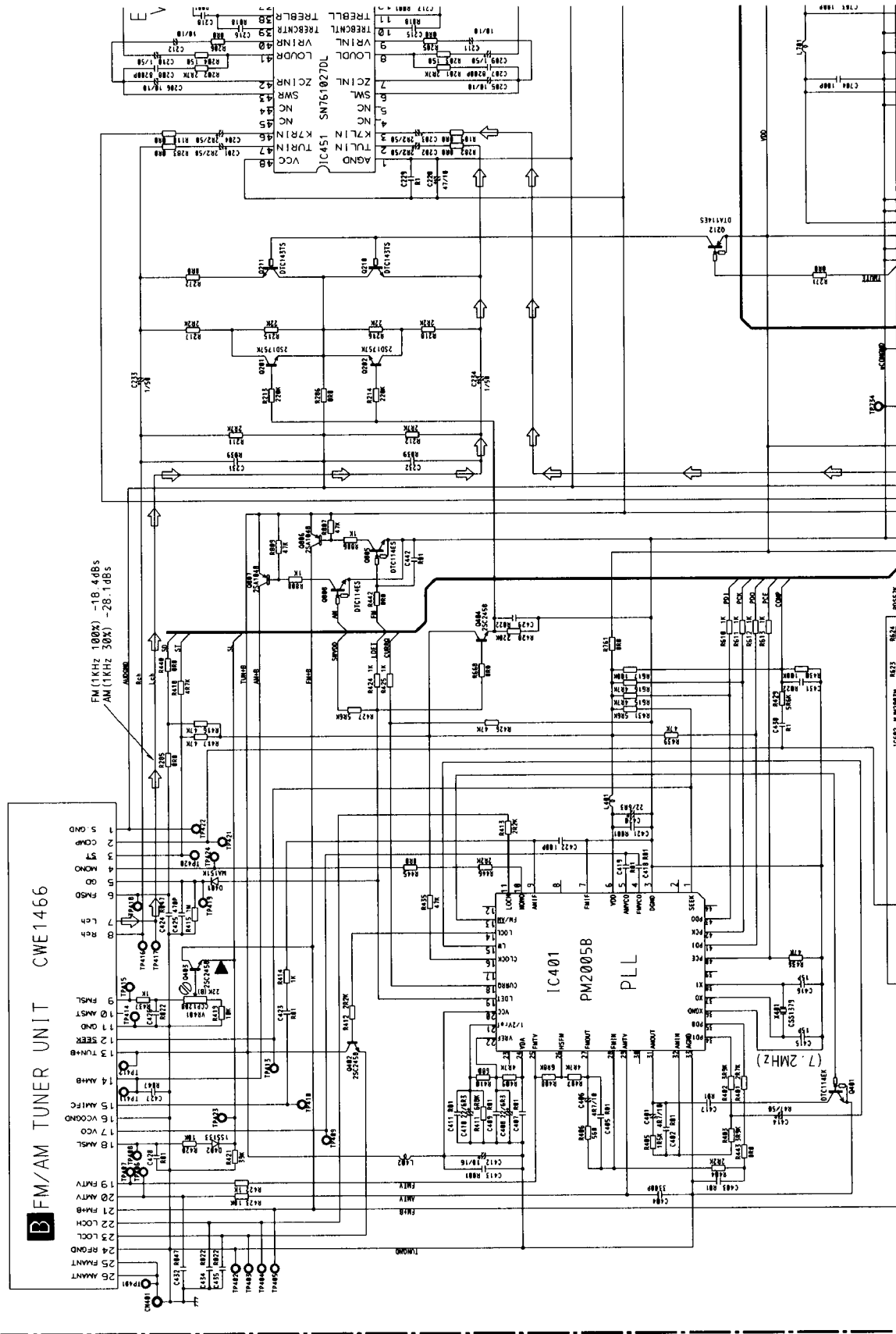


Fig. 4



A MOTHER PCB



A-a

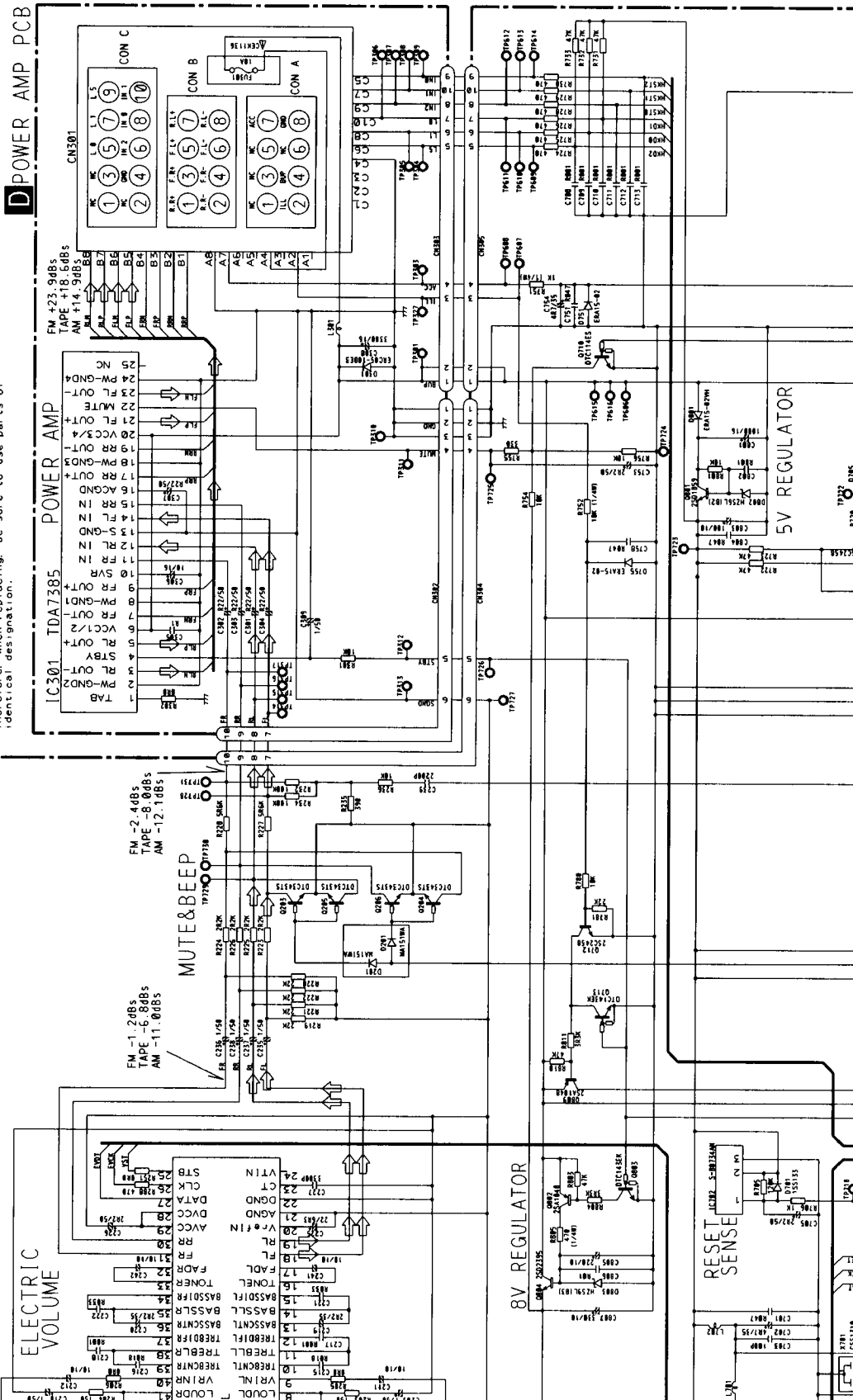
NOTE:

- Symbol indicates a resistor. No symbol is made between chip resistors and discrete resistors.
- ⊢ Symbol indicates a capacitor. No symbol is made between chip capacitors and discrete capacitors.

Decimal points for resistor and capacitor fixed values are expressed as:
 2.2-2R2
 0.022-R022

The A#mark found on some component parts indicates the importance of the safety factor of the part. When specifying, be sure to use parts of identical designation.

D POWER AMP PCB

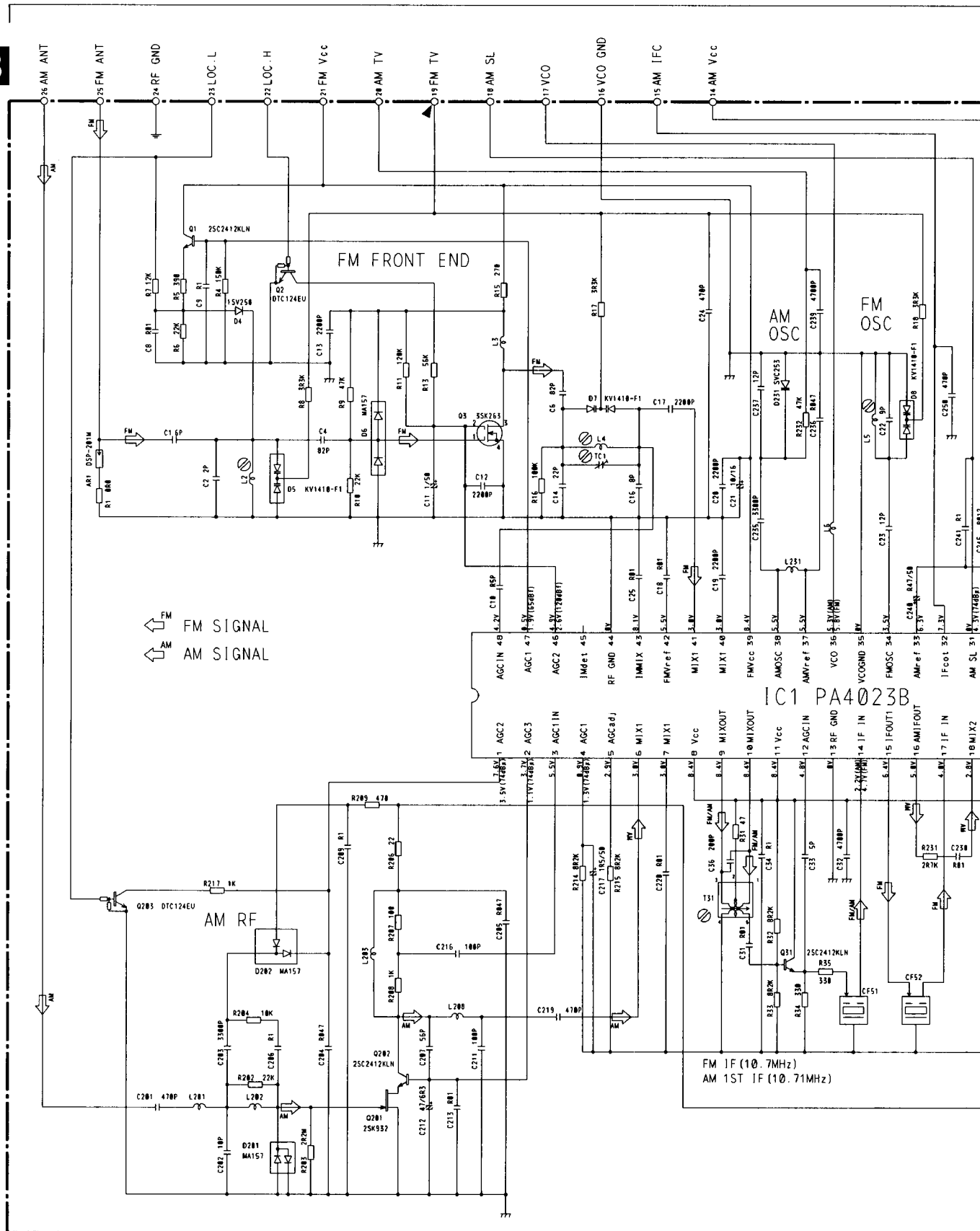


A-b

3.2 FM/AM TUNER UNIT

A

B



B

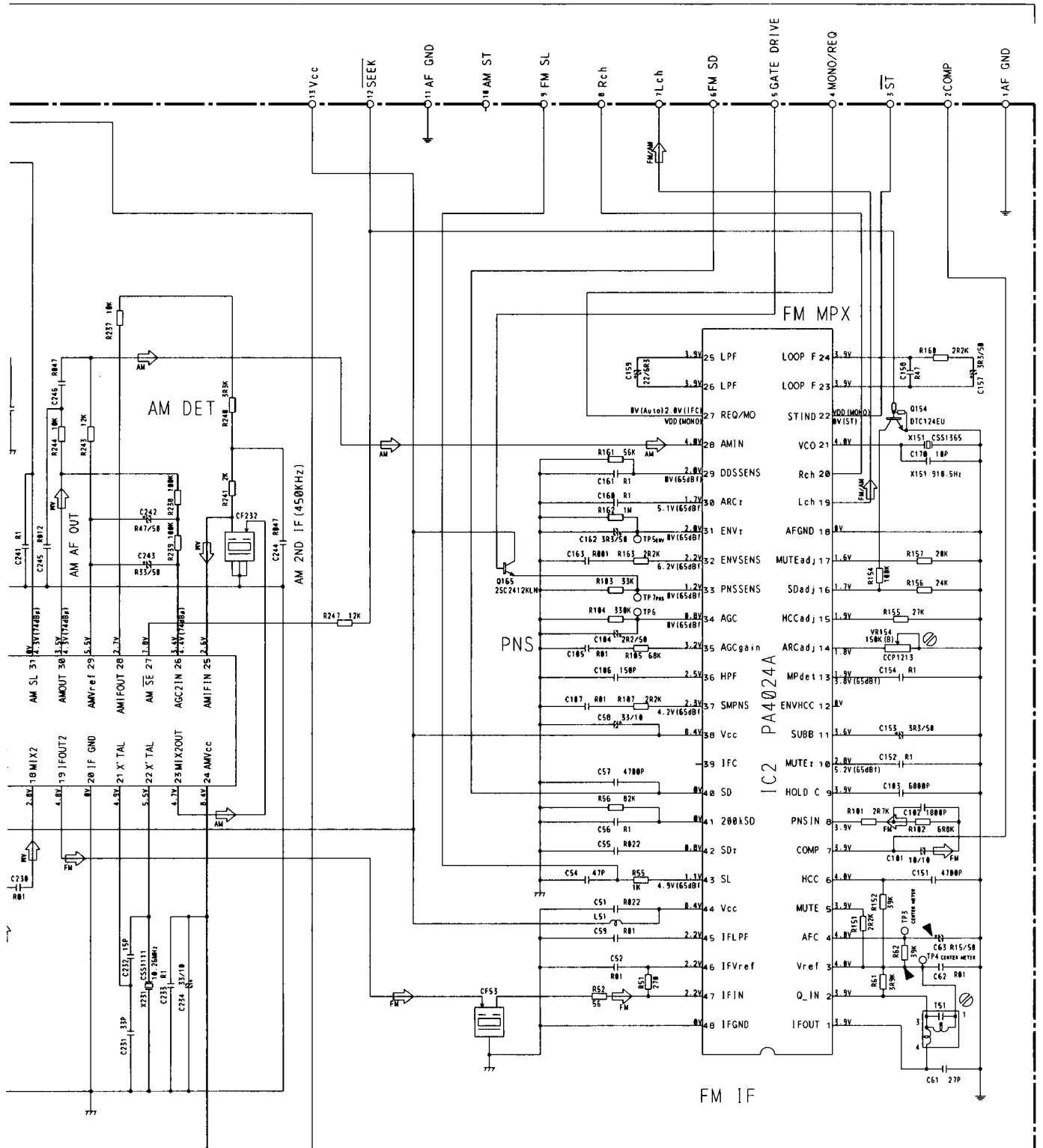
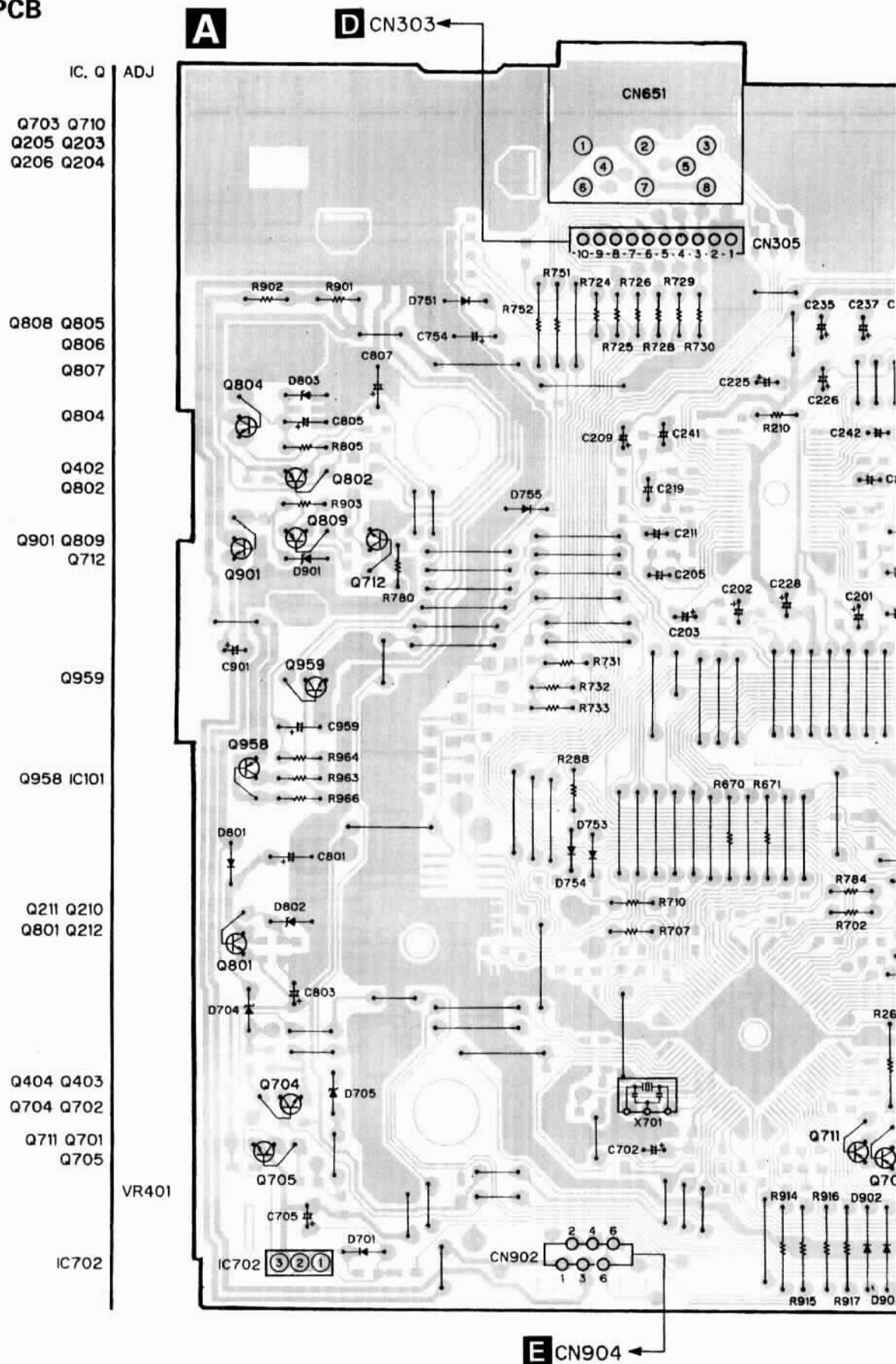


Fig. 7



4. PCB CONNECTION DIAGRAM

4.1 MOTHER PCB



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

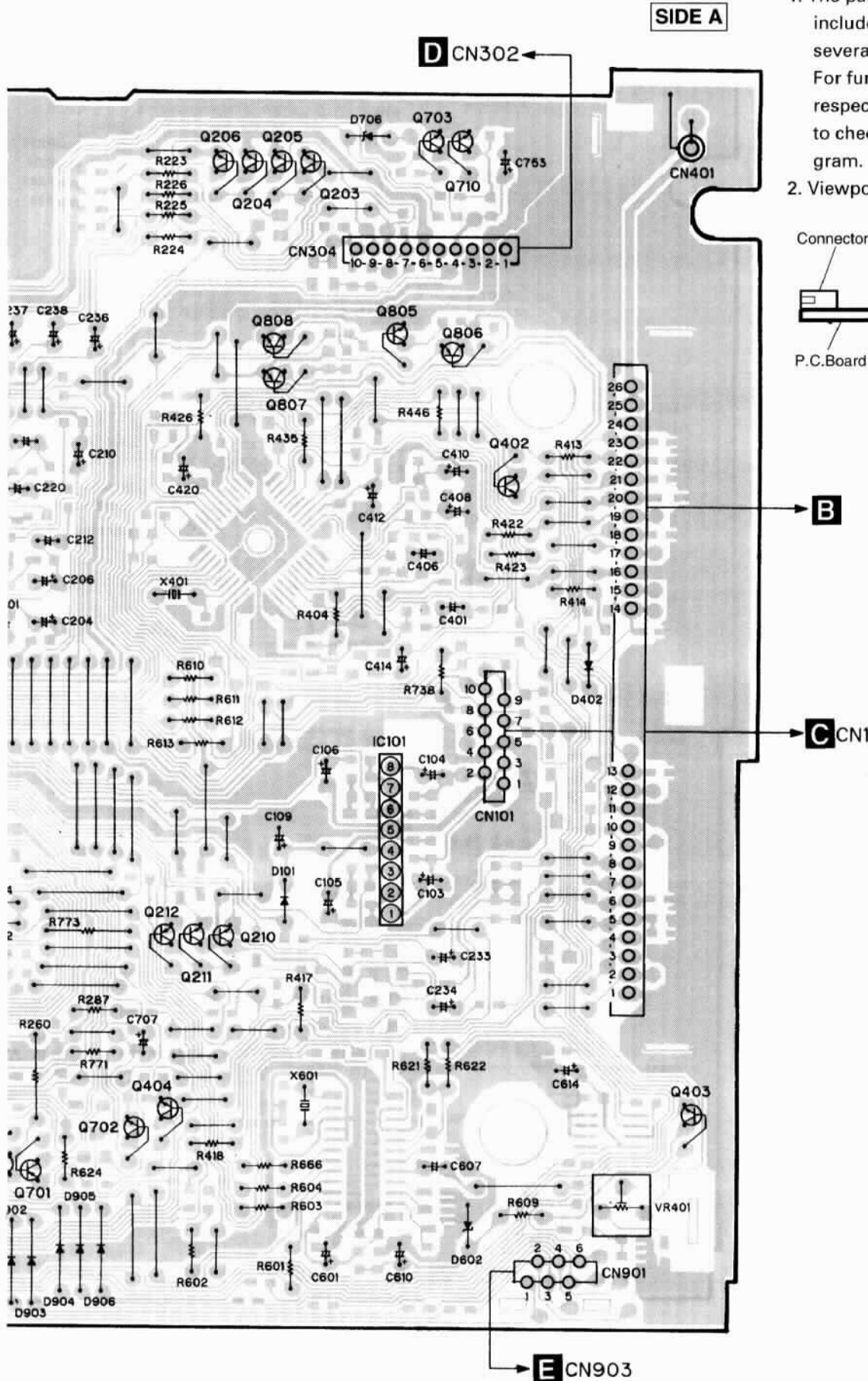
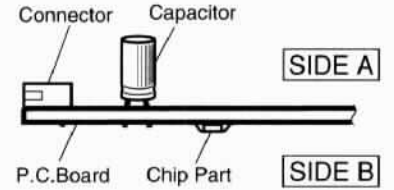
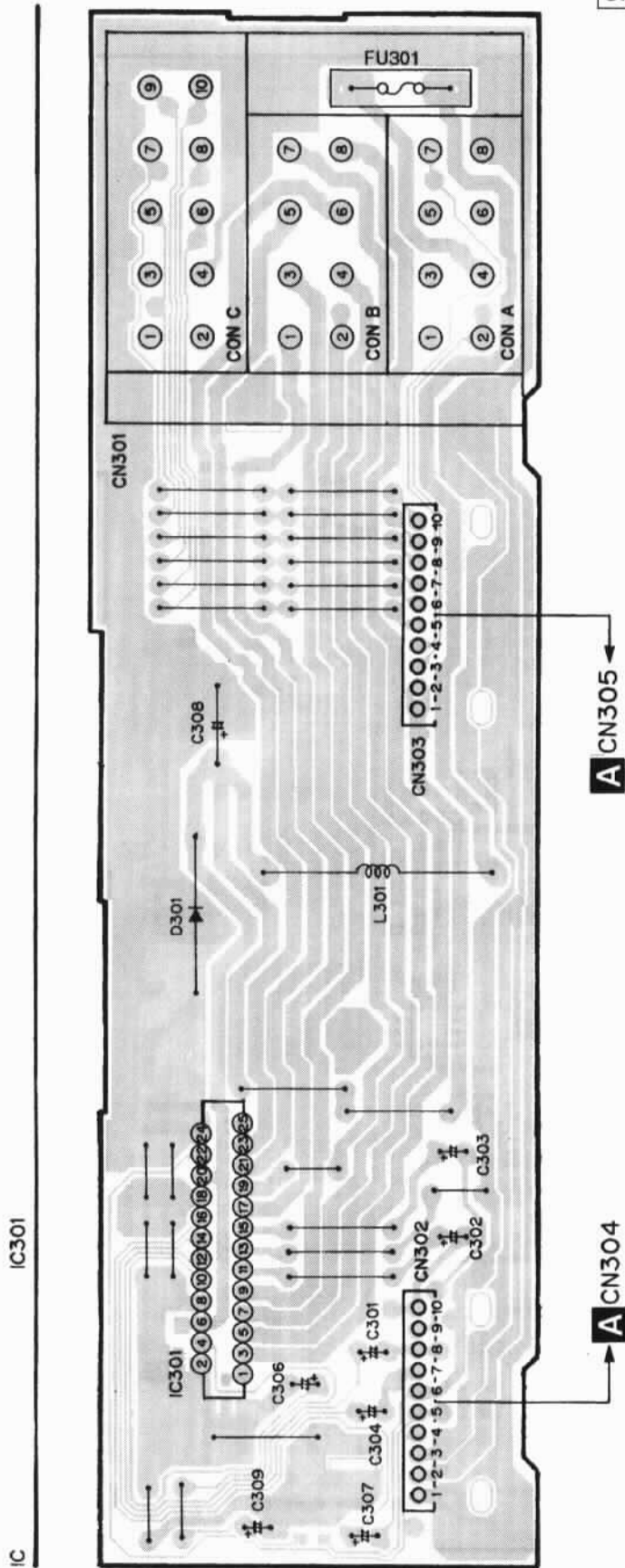


Fig. 8

4.2 POWER AMP PCB

SIDE A

D



A CN305

A CN304

IC301

IC

CN301

FU301

CON C

CON B

CON A

CN303 [1-2-3-4-5-6-7-8-9-10]

CN302 [1-2-3-4-5-6-7-8-9-10]

Fig. 10

D

SIDE B

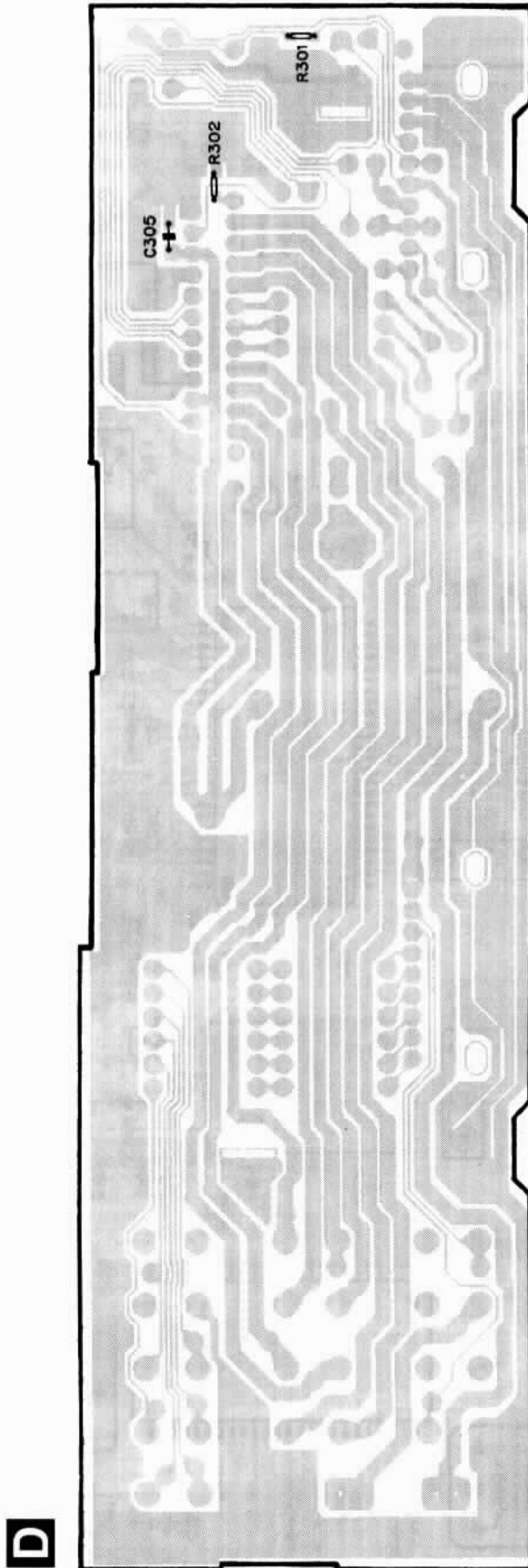


Fig. 11

SIDE B

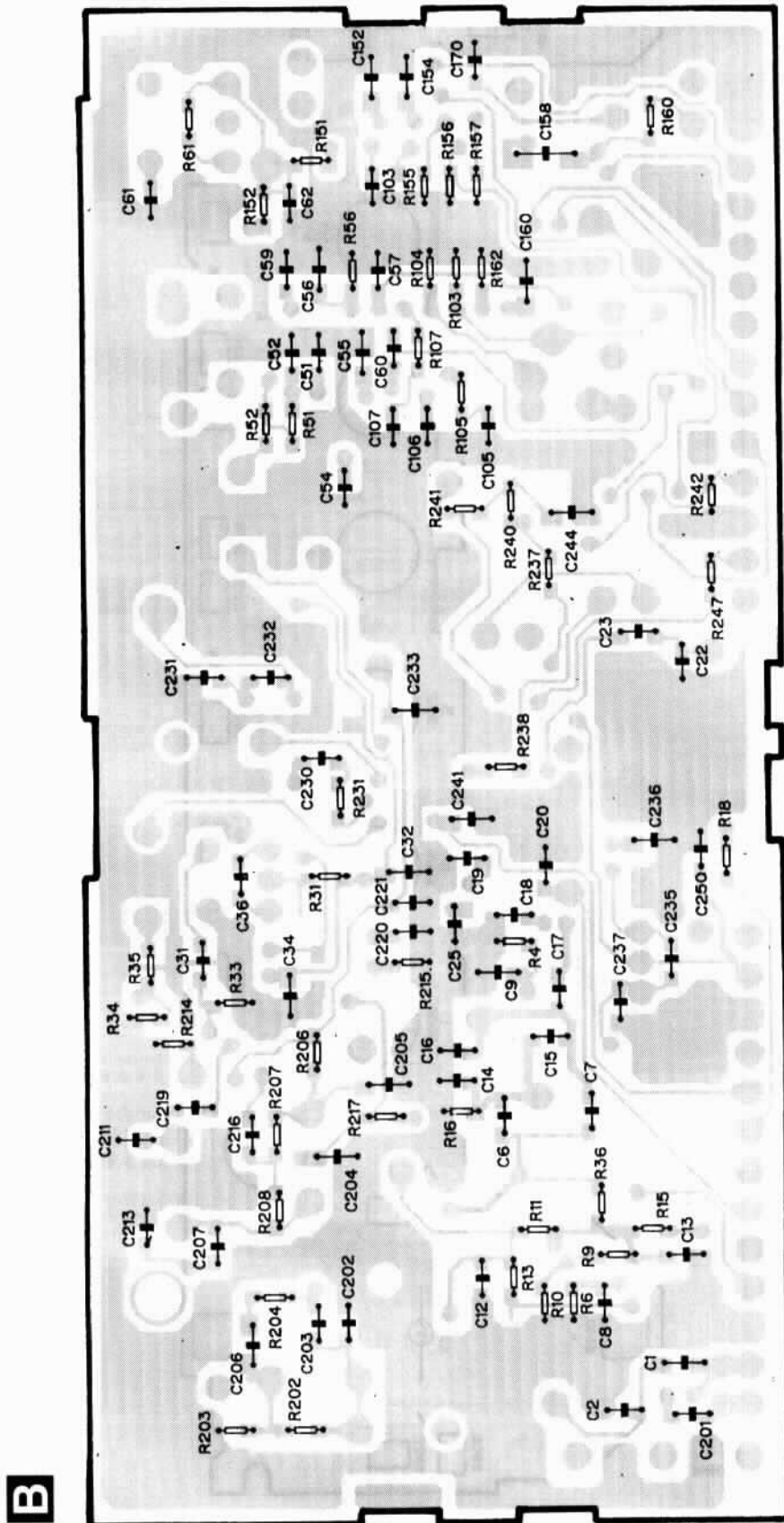


Fig. 13

B

4.4 KEY BOARD UNIT

SIDE A

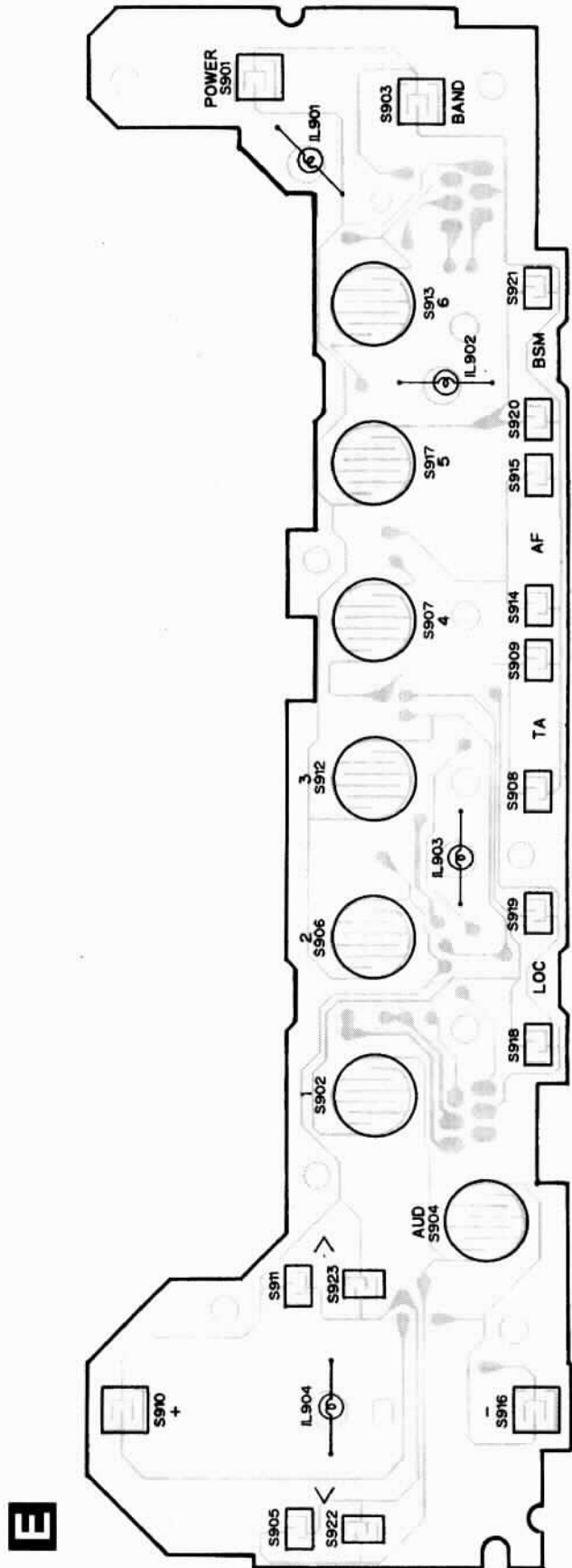


Fig. 14

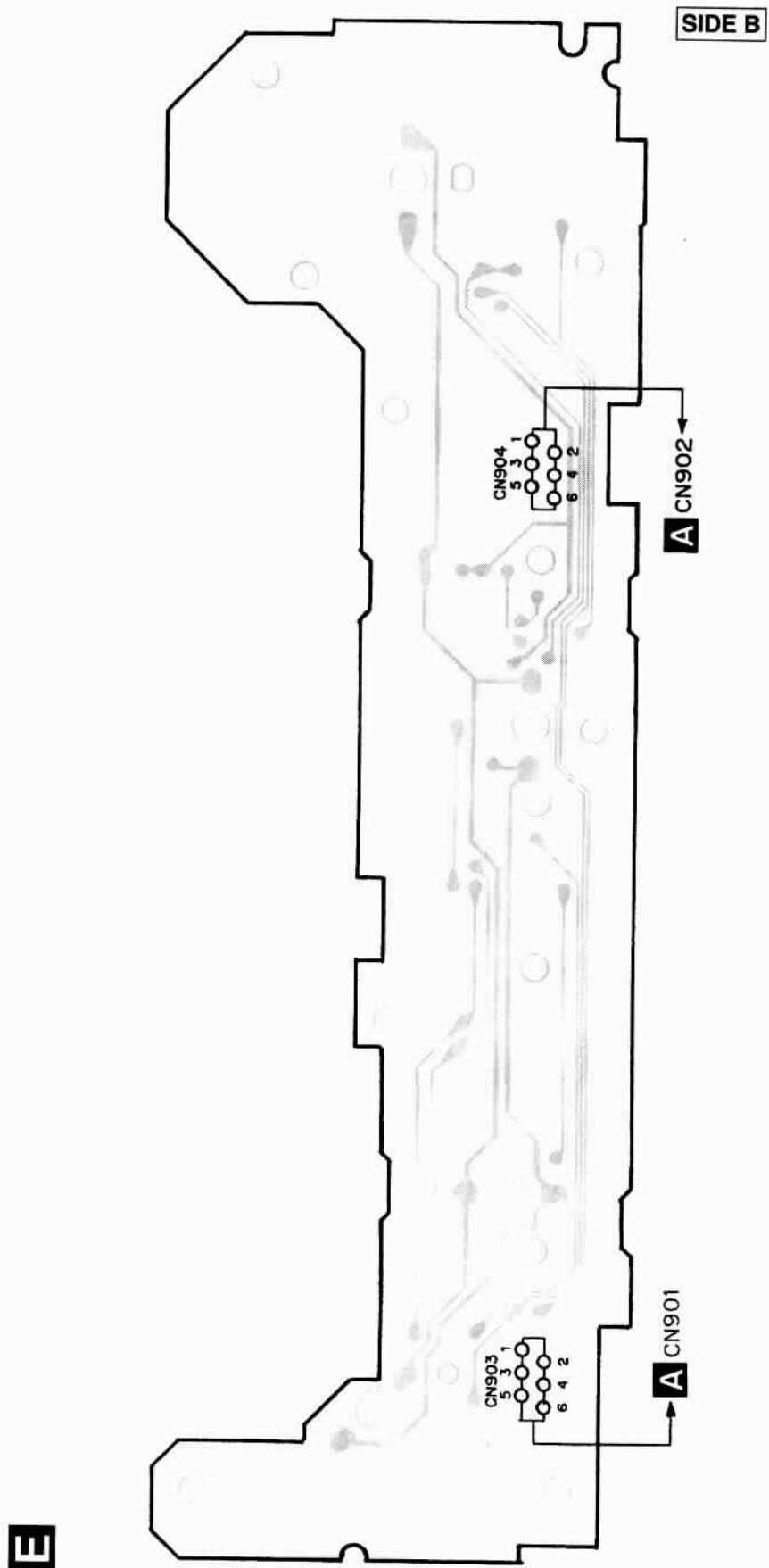


Fig. 15



4.5 CASSETTE PCB

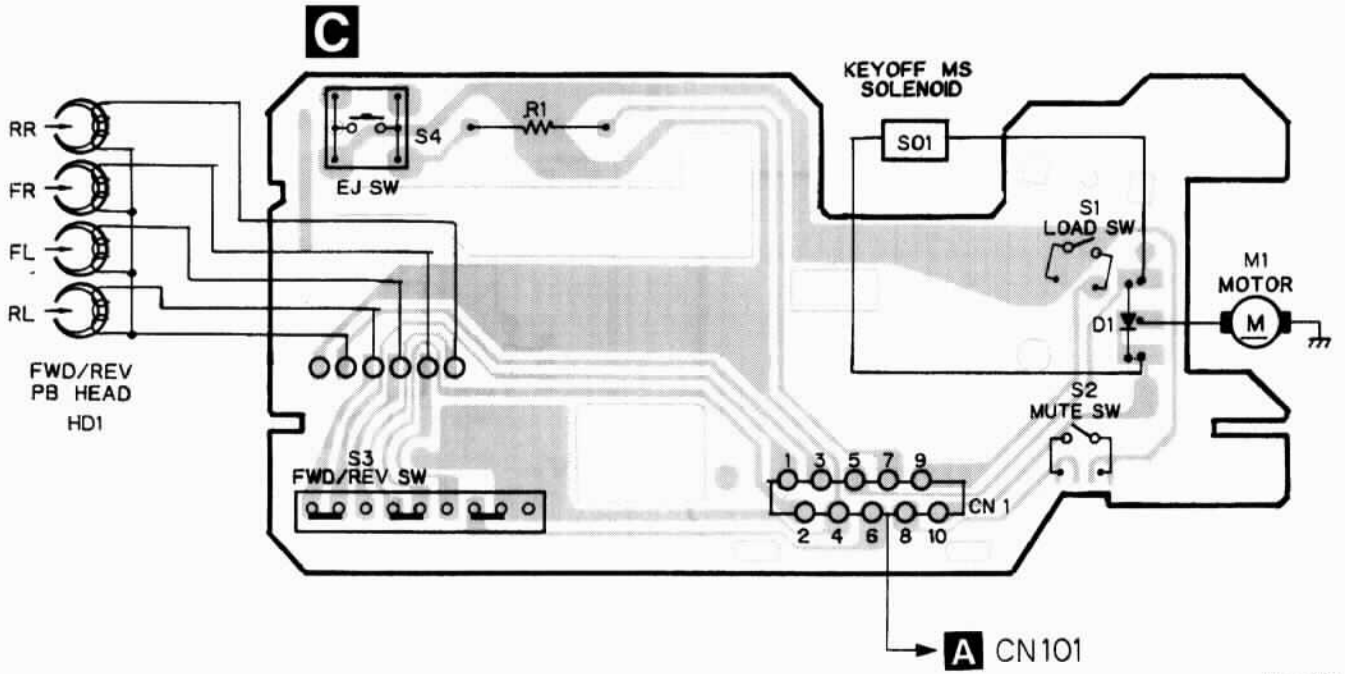


Fig. 16

5. ELECTRICAL PARTS LIST

NOTES:

● 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 : CWE1466 | | 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 | CTC1133 | R 104 | RS1/16S334J |
| | | R 105 | RS1/16S683J |
| L 3 Inductor | LCTB2R2K2125 | | |
| L 4 Coil | CTC1133 | R 107 | RS1/16S222J |
| L 5 Coil | CTC1132 | 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) | 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 7 | RS1/16S123J | | |

| ====Circuit Symbol & No.====Part Name | Part No. | ====Circuit Symbol & No.====Part Name | Part No. |
|---------------------------------------|--------------|--|--------------|
| R 239 | RS1/16S104J | C 205 | CKSQYB473K16 |
| R 240 | RS1/16S332J | C 206 | CKSQYB104K16 |
| R 241 | RS1/16S202J | C 207 | CCSRCH560J50 |
| R 243 | RS1/16S123J | C 209 | CKSQYB104K16 |
| R 244 | RS1/16S103J | C 211 | CCSRCH101J50 |
| 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="border: 1px solid black; padding: 2px; display: inline-block;"> Tuner Amp Unit Consists of Mother PCB Power Amp PCB </div> | |
| C 32 | CKSQYB472K50 | <div style="display: flex; align-items: center;"> <div style="font-size: 2em; font-weight: bold; margin-right: 5px;">A D</div> <div> Unit Number : CWM4848 Unit Name : Tuner Amp Unit </div> </div> | |
| C 33 | CCSRCH5R0C50 | MISCELLANEOUS | |
| C 34 | CKSQYB104K16 | IC 101 IC | LA3161P |
| C 36 | CCSRRH201J50 | IC 301 IC | TDA7385 |
| C 51 | CKSRYB223K25 | IC 401 IC | PM2005B |
| C 52 | CKSRYB103K25 | IC 451 IC | SN761027DL |
| C 54 | CCSRCH470J50 | IC 601 IC | PMW001B |
| C 55 | CKSQYB223K25 | IC 602 IC | NJM2903M |
| C 56 | CKSQYB104K16 | IC 701 IC | PD4752A |
| C 57 | CKSRYB472K50 | IC 702 IC | S-80734AN |
| C 58 | CEJA330M10 | IC 703 IC | S-29220A |
| C 59 | CKSRYB103K25 | Q 201 Transistor | 2SD1757K |
| C 61 | CCSRCH270J50 | Q 202 Transistor | 2SD1757K |
| C 62 | CKSRYB103K25 | Q 203 Transistor | DTC343TS |
| C 63 | CEJAR15M50 | Q 204 Transistor | DTC343TS |
| C 101 | CEJANP100M10 | Q 205 Transistor | DTC343TS |
| C 102 | CKSRYB182K50 | Q 206 Transistor | DTC343TS |
| C 103 | CKSRYB682K25 | Q 210 Transistor | DTC143TS |
| C 104 | CEJA2R2M50 | Q 211 Transistor | DTC143TS |
| C 105 | CKSRYB103K25 | Q 212 Transistor | DTA114ES |
| C 106 | CCSRCH151J50 | Q 401 Transistor | DTC114EK |
| C 107 | CKSRYB103K25 | Q 402 Transistor | 2SC2458 |
| C 151 | CKSRYB472K50 | Q 403 Transistor | 2SC2458 |
| C 152 | CKSQYB104K16 | Q 404 Transistor | 2SC2458 |
| C 153 | CEJA3R3M50 | Q 701 Transistor | DTA114ES |
| C 154 | CKSQYB104K16 | Q 702 Transistor | DTC124TS |
| C 157 | CEJA3R3M50 | Q 703 Transistor | 2SC2458 |
| C 158 | CKSYB474K16 | Q 704 Transistor | 2SC2458 |
| C 159 | CEJA220M6R3 | Q 705 Transistor | 2SC2458 |
| C 160 | CKSQYB104K16 | Q 706 Transistor | DTC144EK |
| C 161 | CKSQYB104K16 | Q 710 Transistor | DTC114ES |
| C 162 | CEJA3R3M50 | Q 711 Transistor | DTA114ES |
| C 163 | CKSRYB102K50 | | |
| C 170 | CCSRCH100D50 | | |
| C 201 | CCSRCH471J50 | | |
| C 202 | CCSRCH100D50 | | |
| C 203 | CKSRYB332K50 | | |
| C 204 | CKSQYB473K16 | | |

| ====Circuit Symbol & No.====Part Name | Part No. | ====Circuit Symbol & No.====Part Name | Part No. |
|---------------------------------------|--------------|---------------------------------------|-------------|
| Q 712 Transistor | 2SC2458 | R 201 | RS1/10S272J |
| Q 713 Transistor | DTC143EK | R 202 | RS1/10S272J |
| Q 801 Transistor | 2SD1859 | R 203 | RS1/10S151J |
| Q 802 Transistor | 2SA1048 | R 204 | RS1/10S151J |
| Q 803 Transistor | DTC143EK | R 205 | RS1/10S0R0J |
| Q 804 Transistor | 2SD2395 | R 206 | RS1/10S0R0J |
| Q 805 Transistor | DTC114ES | R 211 | RS1/10S272J |
| Q 806 Transistor | 2SA1048 | R 212 | RS1/10S272J |
| Q 807 Transistor | 2SA1048 | R 213 | RS1/8S224J |
| Q 808 Transistor | DTC114ES | R 214 | RS1/8S224J |
| Q 809 Transistor | 2SA1048 | R 215 | RS1/10S223J |
| Q 901 Transistor | 2SD2395 | R 216 | RS1/10S223J |
| Q 958 Transistor | 2SB1242 | R 217 | RS1/8S222J |
| Q 959 Transistor | DTC143TS | R 218 | RS1/10S222J |
| D 101 Diode | 1SS133 | R 219 | RS1/10S223J |
| D 201 Diode | MA151WA | R 220 | RS1/10S223J |
| D 301 Diode | ERC05-10BE3 | R 221 | RS1/10S223J |
| D 401 Chip Diode | MA151K | R 222 | RS1/10S223J |
| D 402 Diode | 1SS133 | R 223 | RD1/4PU222J |
| D 602 Diode | HZS5LL(C) | R 224 | RD1/4PU222J |
| D 656 Diode | MA153 | R 225 | RD1/4PU222J |
| D 657 Diode | MA153 | R 226 | RD1/4PU222J |
| D 659 Diode | MA153 | R 227 | RS1/10S562J |
| D 660 Diode | MA153 | R 228 | RS1/10S562J |
| D 701 Diode | 1SS133 | R 232 | RS1/10S104J |
| D 703 Chip Diode | MA151WK | R 234 | RS1/10S104J |
| D 704 Diode | HZS7L(C3) | R 235 | RS1/10S391J |
| D 705 Diode | HZS9L(A1) | R 236 | RS1/10S103J |
| D 706 Diode | HZS9L(A2) | R 251 | RS1/10S0R0J |
| D 751 Diode | ERA15-02 | R 260 | RD1/4PU272J |
| D 753 Diode | 1SS133 | R 271 | RS1/10S0R0J |
| D 754 Diode | 1SS133 | R 272 | RS1/8S0R0J |
| D 755 Diode | ERA15-02 | R 282 | RS1/10S0R0J |
| D 801 Diode | ERA15-02 | R 283 | RS1/10S0R0J |
| D 802 Diode | HZS6L(B2) | R 284 | RS1/10S0R0J |
| D 803 Diode | HZS9L(B3) | R 285 | RS1/10S0R0J |
| D 901 Diode | HZS9L(B2) | R 286 | RS1/8S0R0J |
| D 902 Diode | 1SS133 | R 287 | RD1/4PU102J |
| D 903 Diode | 1SS133 | R 288 | RD1/4PU471J |
| D 904 Diode | 1SS133 | R 301 | RS1/10S103J |
| D 905 Diode | 1SS133 | R 302 | RS1/10S0R0J |
| D 906 Diode | 1SS133 | R 401 | RS1/10S272J |
| L 301 Coil | CTH1170 | R 402 | RS1/10S392J |
| L 401 Inductor | LCTB101K2125 | R 403 | RS1/10S392J |
| L 402 Inductor | LCTB2R2K3216 | R 404 | RD1/4PU222J |
| L 602 Inductor | LCTB101K2125 | R 405 | RS1/10S152J |
| L 701 Inductor | LCTB2R2K2125 | R 406 | RS1/10S561J |
| L 702 Inductor | LCTB2R2K2125 | R 407 | RS1/10S472J |
| X 401 Crystal Resonator 7.200MHz | CSS1379 | R 408 | RS1/10S682J |
| X 601 Crystal Resonator 4.332MHz | CSS1056 | R 409 | RS1/10S472J |
| X 701 Ceramic Resonator 6.29MHz | CSS1310 | R 410 | RS1/10S681J |
| VR 401 Semi-fixed 22kΩ(B) | CCP1208 | R 411 | RS1/10S682J |
| FU 301 Fuse 10A | CEK1136 | R 412 | RS1/10S222J |
| FM/AM Tuner Unit | CWE1466 | R 413 | RD1/4PU222J |
| | | R 414 | RD1/4PU102J |
| RESISTORS | | R 415 | RS1/10S105J |
| R 101 | RS1/10S273J | R 416 | RS1/10S473J |
| R 102 | RS1/10S273J | R 417 | RD1/4PU473J |
| R 103 | RS1/10S470J | R 418 | RD1/4PU472J |
| R 104 | RS1/10S470J | R 419 | RS1/10S103J |
| R 105 | RS1/10S472J | | |
| R 106 | RS1/10S472J | R 420 | RS1/10S103J |
| R 107 | RS1/10S104J | R 421 | RS1/10S393J |
| R 108 | RS1/10S104J | R 422 | RD1/4PU102J |
| R 109 | RS1/10S0R0J | R 423 | RD1/4PU103J |
| R 110 | RS1/10S0R0J | R 424 | RS1/10S102J |

KEH-M1066ZRN

| ====Circuit Symbol & No.====Part Name | Part No. | ====Circuit Symbol & No.====Part Name | Part No. |
|---------------------------------------|-------------|---------------------------------------|-------------|
| R 425 | RS1/10S102J | R 711 | RS1/10S473J |
| R 426 | RD1/4PU473J | R 712 | RS1/10S473J |
| R 427 | RS1/10S562J | R 713 | RS1/10S473J |
| R 428 | RS1/10S224J | R 714 | RS1/10S223J |
| R 429 | RS1/10S562J | R 715 | RS1/10S473J |
| R 430 | RS1/10S104J | R 716 | RS1/10S473J |
| R 431 | RS1/10S562J | R 718 | RS1/10S223J |
| R 435 | RD1/4PU473J | R 719 | RS1/10S473J |
| R 436 | RS1/10S473J | R 720 | RS1/10S223J |
| R 437 | RS1/10S102J | R 721 | RS1/10S473J |
| R 439 | RS1/10S473J | R 722 | RS1/10S473J |
| R 440 | RS1/10S0R0J | R 723 | RS1/10S473J |
| R 442 | RS1/10S0R0J | R 724 | RD1/4PU471J |
| R 443 | RS1/10S0R0J | R 725 | RD1/4PU471J |
| R 445 | RS1/10S0R0J | R 726 | RD1/4PU471J |
| R 446 | RD1/4PU222J | R 728 | RD1/4PU471J |
| R 601 | RD1/4PU102J | R 729 | RD1/4PU471J |
| R 602 | RD1/4PU102J | R 730 | RD1/4PU471J |
| R 603 | RD1/4PU102J | R 731 | RD1/4PU473J |
| R 604 | RD1/4PU102J | R 732 | RD1/4PU473J |
| R 605 | RS1/10S102J | R 733 | RD1/4PU473J |
| R 606 | RS1/10S102J | R 735 | RS1/10S102J |
| R 607 | RS1/10S0R0J | R 736 | RS1/10S102J |
| R 608 | RS1/10S333J | R 737 | RS1/10S473J |
| R 609 | RD1/4PU151J | R 738 | RD1/4PU473J |
| R 610 | RD1/4PU102J | R 739 | RS1/10S103J |
| R 611 | RD1/4PU102J | R 740 | RS1/10S0R0J |
| R 612 | RD1/4PU102J | R 742 | RS1/10S222J |
| R 613 | RD1/4PU102J | R 751 | RD1/4PU102J |
| R 615 | RS1/10S472J | R 752 | RD1/4PU103J |
| R 616 | RS1/10S473J | R 754 | RS1/10S103J |
| R 617 | RS1/10S104J | R 755 | RS1/10S331J |
| R 620 | RS1/10S562J | R 756 | RS1/10S103J |
| R 621 | RD1/4PU222J | R 757 | RS1/10S104J |
| R 622 | RD1/4PU222J | R 761 | RS1/8S0R0J |
| R 623 | RS1/10S684J | R 762 | RS1/10S102J |
| R 624 | RD1/4PU681J | R 763 | RS1/10S102J |
| R 651 | RS1/10S471J | R 764 | RS1/10S102J |
| R 652 | RS1/10S471J | R 765 | RS1/10S102J |
| R 654 | RS1/10S471J | R 766 | RS1/10S102J |
| R 655 | RS1/10S471J | R 767 | RS1/10S102J |
| R 656 | RS1/10S221J | R 768 | RS1/10S102J |
| R 657 | RS1/10S221J | R 769 | RS1/10S102J |
| R 659 | RS1/10S221J | R 770 | RS1/10S102J |
| R 660 | RS1/10S221J | R 771 | RD1/4PU102J |
| R 661 | RS1/10S682J | R 772 | RS1/10S681J |
| R 662 | RS1/10S682J | R 773 | RD1/4PU681J |
| R 663 | RS1/10S682J | R 774 | RS1/10S681J |
| R 664 | RS1/10S682J | R 776 | RS1/10S473J |
| R 665 | RS1/10S682J | R 777 | RS1/8S473J |
| R 666 | RD1/4PU102J | R 780 | RD1/4PU103J |
| R 667 | RS1/10S0R0J | R 781 | RS1/10S223J |
| R 668 | RS1/10S0R0J | R 782 | RS1/10S102J |
| R 669 | RS1/10S0R0J | R 783 | RS1/10S102J |
| R 670 | RD1/4PU681J | R 784 | RD1/4PU473J |
| R 671 | RD1/4PU102J | R 801 | RS1/10S103J |
| R 701 | RS1/10S473J | R 803 | RS1/10S473J |
| R 702 | RD1/4PU473J | R 804 | RS1/10S332J |
| R 703 | RS1/10S473J | R 805 | RD1/4PU471J |
| R 705 | RS1/10S124J | R 806 | RS1/10S102J |
| R 706 | RS1/10S102J | R 807 | RS1/10S473J |
| R 707 | RD1/4PU102J | R 808 | RS1/10S102J |
| R 708 | RS1/10S102J | R 809 | RS1/10S473J |
| R 709 | RS1/10S102J | R 810 | RS1/10S473J |
| R 710 | RD1/4PU102J | R 811 | RS1/10S332J |

| ====Circuit Symbol & No.====Part Name | Part No. | ====Circuit Symbol & No.====Part Name | Part No. |
|---------------------------------------|--------------|---------------------------------------|--------------|
| R 901 | RD1/4PU4R7J | C 301 | CEJAR22M50 |
| R 902 | RD1/4PU4R7J | C 302 | CEJAR22M50 |
| R 903 | RD1/4PU471J | C 303 | CEJAR22M50 |
| R 910 | RS1/10S473J | C 304 | CEJAR22M50 |
| R 911 | RS1/10S473J | C 305 | CKSYB104K50 |
| R 912 | RS1/10S473J | C 306 | CEJA100M16 |
| R 913 | RS1/10S473J | C 307 | CEJAR22M50 |
| R 914 | RD1/4PU102J | C 308 | CCH1169 |
| R 915 | RD1/4PU102J | C 309 | CEJA1R0M50 |
| R 916 | RD1/4PU102J | C 401 | CCH1280 |
| R 917 | RD1/4PU102J | C 402 | CKSQYB103K25 |
| R 918 | RS1/10S102J | C 403 | CKSQYB103K25 |
| R 919 | RS1/10S102J | C 404 | CKSYB332K50 |
| R 920 | RS1/10S102J | C 405 | CKSQYB103K25 |
| R 921 | RS1/10S102J | C 406 | CCH1280 |
| R 922 | RS1/10S102J | C 407 | CKSQYB103K25 |
| R 963 | RD1/4PU1R5J | C 408 | CEJA220M6R3 |
| R 964 | RD1/4PU1R5J | C 409 | CKSQYB103K25 |
| R 965 | RS1/10S472J | C 410 | CEJA220M6R3 |
| R 966 | RD1/4PU102J | C 411 | CKSQYB103K25 |
| CAPACITORS | | | |
| C 101 | CKSQYB681K50 | C 412 | CEJA100M16 |
| C 102 | CKSQYB681K50 | C 413 | CKSQYB102K50 |
| C 103 | CEJA2R2M50 | C 414 | CEJAR47M50 |
| C 104 | CEJA2R2M50 | C 415 | CCSQCH150J50 |
| C 105 | CEJA101M10 | C 416 | CCSQCH150J50 |
| C 106 | CEJA101M10 | C 417 | CKSQYB103K25 |
| C 107 | CKSQYB333K25 | C 418 | CKSQYB103K25 |
| C 108 | CKSQYB333K25 | C 419 | CKSQYB103K25 |
| C 109 | CCH1014 | C 420 | CEJA220M6R3 |
| C 201 | CEJA2R2M50 | C 421 | CKSQYB102K50 |
| C 202 | CEJA2R2M50 | C 422 | CCSQCH101J50 |
| C 203 | CEJA2R2M50 | C 423 | CKSQYB103K25 |
| C 204 | CEJA2R2M50 | C 424 | CKSQYB473K16 |
| C 205 | CEJANP100M10 | C 425 | CKSQYB471K50 |
| C 206 | CEJANP100M10 | C 426 | CKSQYB223K25 |
| C 207 | CKSQYB822K50 | C 427 | CKSQYB473K16 |
| C 208 | CKSQYB822K50 | C 428 | CKSQYB103K25 |
| C 209 | CEJA1R0M50 | C 429 | CKSQYB223K25 |
| C 210 | CEJA1R0M50 | C 430 | CKSQYB104K16 |
| C 211 | CEJANP100M10 | C 431 | CKSQYB223K25 |
| C 212 | CEJANP100M10 | C 432 | CKLSR473K16 |
| C 215 | CKSQYB183K25 | C 434 | CKSQYB223K25 |
| C 216 | CKSQYB183K25 | C 435 | CKSQYB223K25 |
| C 217 | CKSQYB102K50 | C 442 | CKSQYB103K25 |
| C 218 | CKSQYB102K50 | C 601 | CEJA4R7M35 |
| C 219 | CEJANP2R2M35 | C 602 | CKSQYB104K16 |
| C 220 | CEJANP2R2M35 | C 603 | CCSQCH220J50 |
| C 221 | CKSQYB333K25 | C 604 | CCSQCH220J50 |
| C 222 | CKSQYB333K25 | C 605 | CKSQYB472K50 |
| C 225 | CEJA220M6R3 | C 606 | CKSQYB104K16 |
| C 226 | CEJA2R2M50 | C 607 | CEJANP1R0M50 |
| C 227 | CKSQYB332K50 | C 608 | CKSQYB104K16 |
| C 228 | CEJA470M10 | C 609 | CKSQYB222K50 |
| C 229 | CKSQYB104K16 | C 610 | CEJA4R7M35 |
| C 231 | CKSQYB393K25 | C 611 | CKSQYB104K16 |
| C 232 | CKSQYB393K25 | C 612 | CKSQYB103K25 |
| C 233 | CEJA1R0M50 | C 613 | CKSQYB102K50 |
| C 234 | CEJA1R0M50 | C 614 | CEJA4R7M35 |
| C 235 | CEJA1R0M50 | C 615 | CKSQYB103K25 |
| C 236 | CEJA1R0M50 | C 701 | CKSYB473K16 |
| C 237 | CEJA1R0M50 | C 702 | CEJA4R7M35 |
| C 238 | CEJA1R0M50 | C 703 | CCSQCH101J50 |
| C 239 | CKSQYB222K50 | C 704 | CCSQCH101J50 |
| C 241 | CEJANP100M10 | C 705 | CEJA2R2M50 |
| C 242 | CEJANP100M10 | C 706 | CCSQCH101J50 |

| ====Circuit Symbol & No.==== | Part Name | Part No. |
|------------------------------|-----------|--------------|
| C 707 | | CEJA4R7M35 |
| C 708 | | CKSQYB102K50 |
| C 709 | | CKSQYB102K50 |
| C 710 | | CKSQYB102K50 |
| C 711 | | CKSYB102K50 |
| C 712 | | CKSQYB102K50 |
| C 713 | | CKSQYB102K50 |
| C 715 | | CKSQYB224K16 |
| C 716 | | CKSQYB104K16 |
| C 751 | | CKSQYB473K16 |
| C 753 | | CEJA2R2M50 |
| C 754 | | CEJA4R7M35 |
| C 755 | | CKSQYB102K50 |
| C 758 | | CKSQYB473K16 |
| C 759 | | CKSQYB102K50 |
| C 760 | | CKSQYB102K50 |
| C 761 | | CKSQYB102K50 |
| C 801 | | CEAS102M16 |
| C 802 | | CKSQYB102K50 |
| C 803 | | CEAS101M10 |
| C 804 | | CKSQYB473K16 |
| C 805 | | CEAS221M10 |
| C 806 | | CKSQYB103K25 |
| C 807 | | CEAS331M10 |
| C 901 | | CEAS1R0M50 |
| C 959 | | CEJA101M16 |
| C 960 | | CKSQYB103K25 |

E Unit Number : CWM4849
 Unit Name : Key Board Unit

MISCELLANEOUS

| | | |
|--------|--------------|---------|
| IL 901 | Lamp 8V 60mA | CEL1484 |
| IL 902 | Lamp 8V 60mA | CEL1484 |
| IL 903 | Lamp 8V 60mA | CEL1484 |
| IL 904 | Lamp 8V 60mA | CEL1484 |

C Unit Number :
 Unit Name : Cassette PCB

| | | |
|-----|-----------------|-------------|
| S 1 | Switch(Load) | ESN1016 |
| S 2 | Switch(Mute) | ESN1017 |
| S 3 | Switch(FWD/REV) | ESH1006 |
| S 4 | Switch(Eject) | ESG1006 |
| R 1 | | RD1/4HM472J |

Miscellaneous Parts List

| | | |
|------|------------|---------|
| M 1 | Motor Unit | EXA1467 |
| HD 1 | Head Assy | EXA1466 |

6. ADJUSTMENT

6.1 TUNER ADJUSTMENT

● Connection Diagram

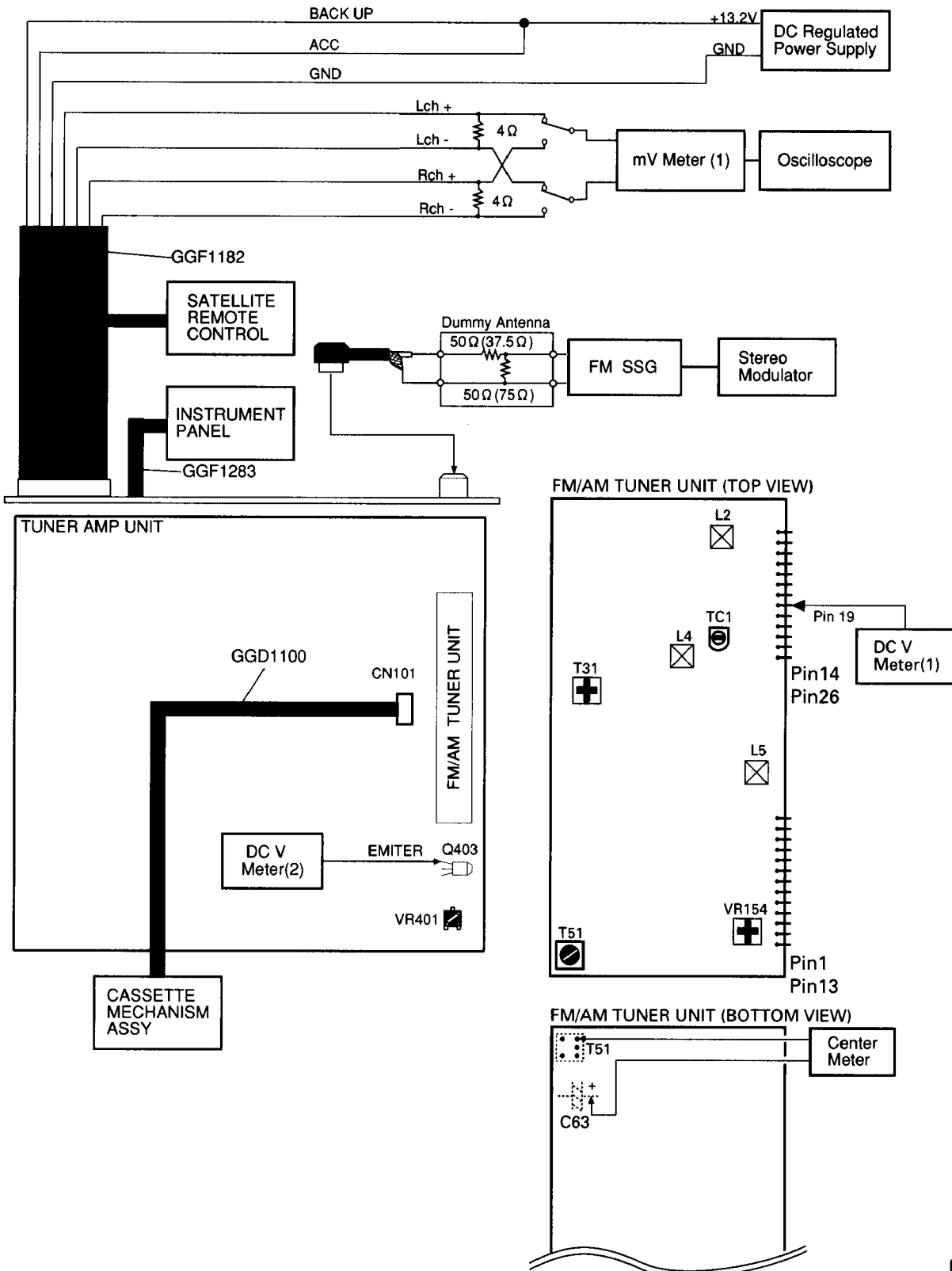


Fig. 17

6.2 FM ADJUSTMENT

Modulation M:MONO MOD., 400Hz 30%(22.5kHz Dev.) or 400Hz 100%(75kHz Dev.)
 S:STEREO MOD., 1kHz, L or R=30%(20.25kHz+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 S | 40 | 98.1 | VR154 | mV Meter(1) : Separation 5dB (STEREO MODE) |

6.3 RDS SL ADJUSTMENT

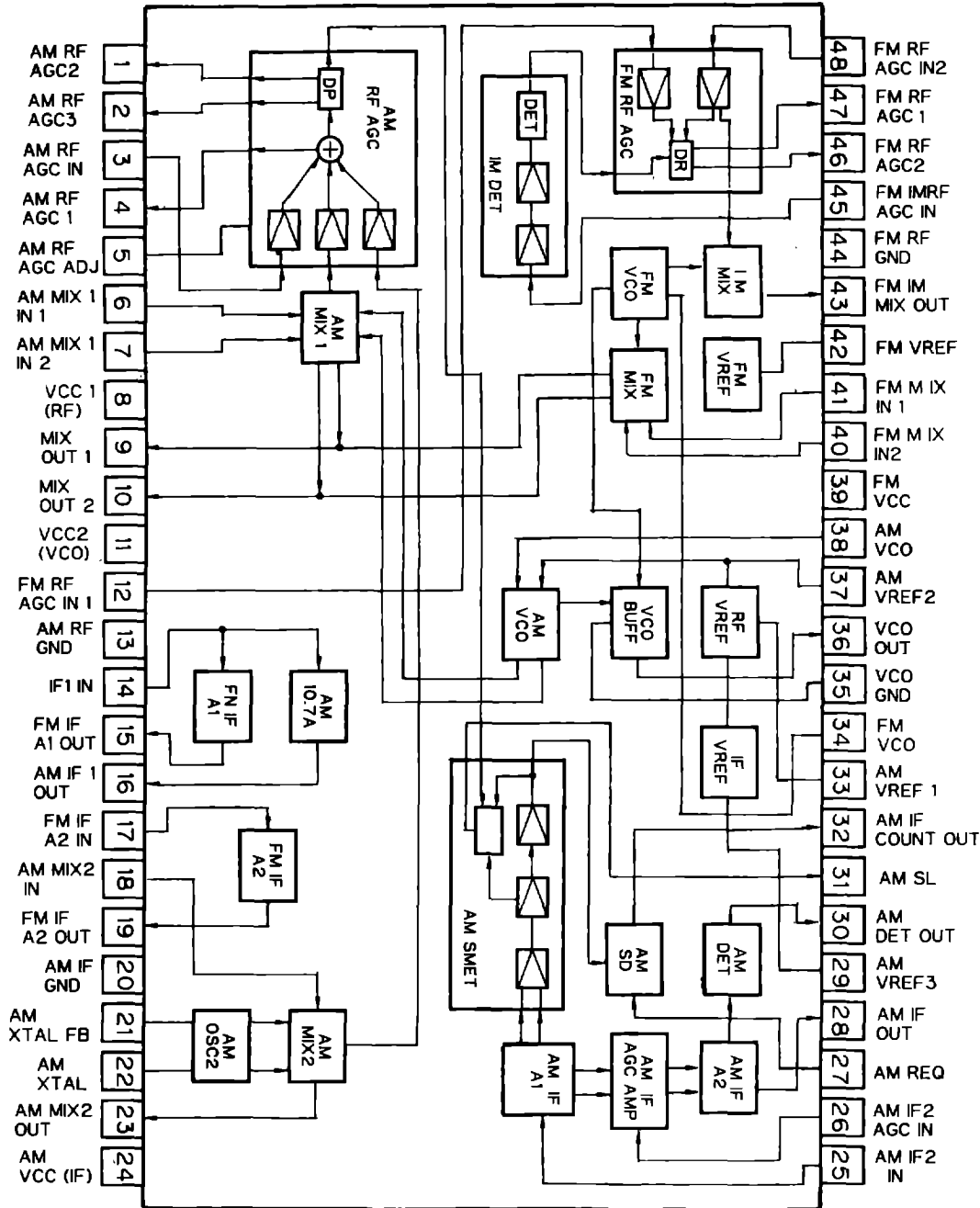
| | No. | FM SSG | | Displayed Frequency(MHz) | Adjustment Point | Adjustment Method (Switch Position) |
|--|-----|----------------|------------|-----------------------------|---------------------|--|
| | | Frequency(MHz) | Level(dBf) | | | |
| | 1 | 98.1 S | 35 | 98.1 | VR401 | DC V Meter(3) : 7.5 ± 0.05V |

7. GENERAL INFORMATION

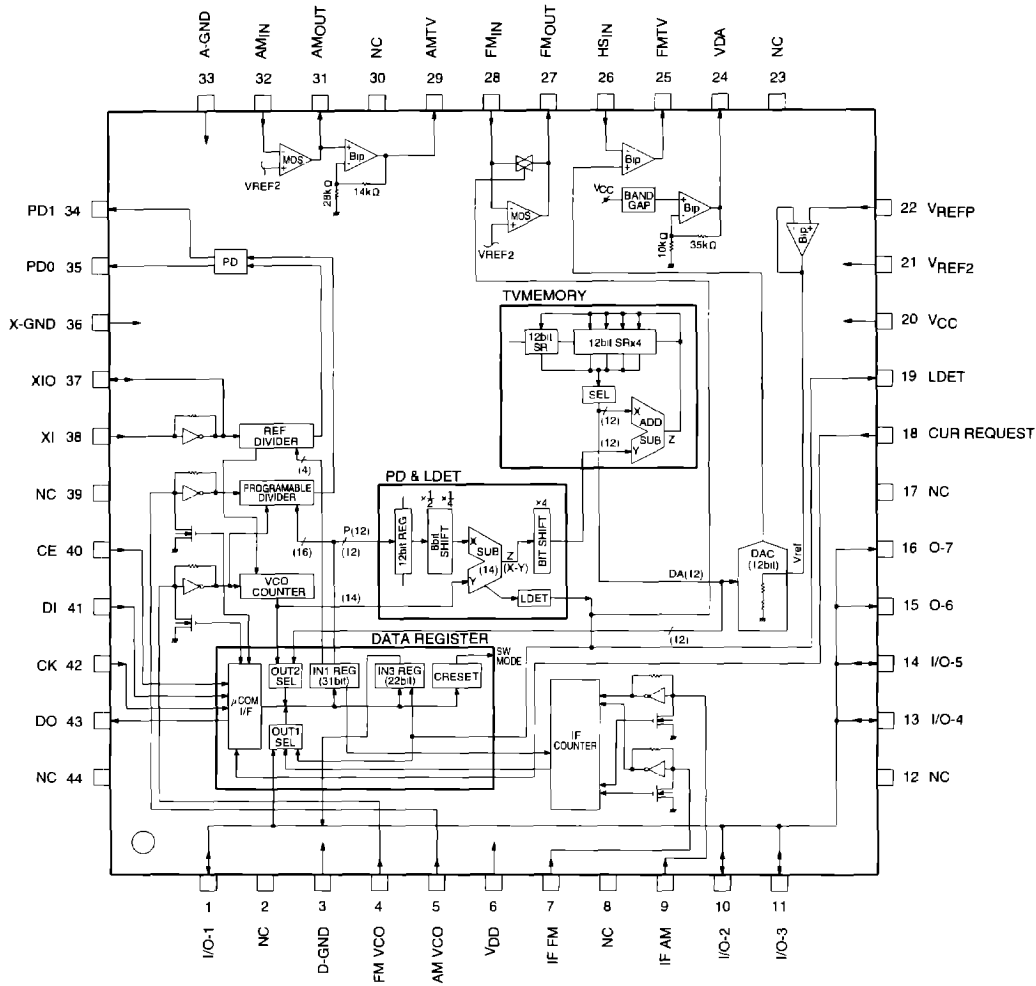
7.1 PARTS

7.1.1 IC

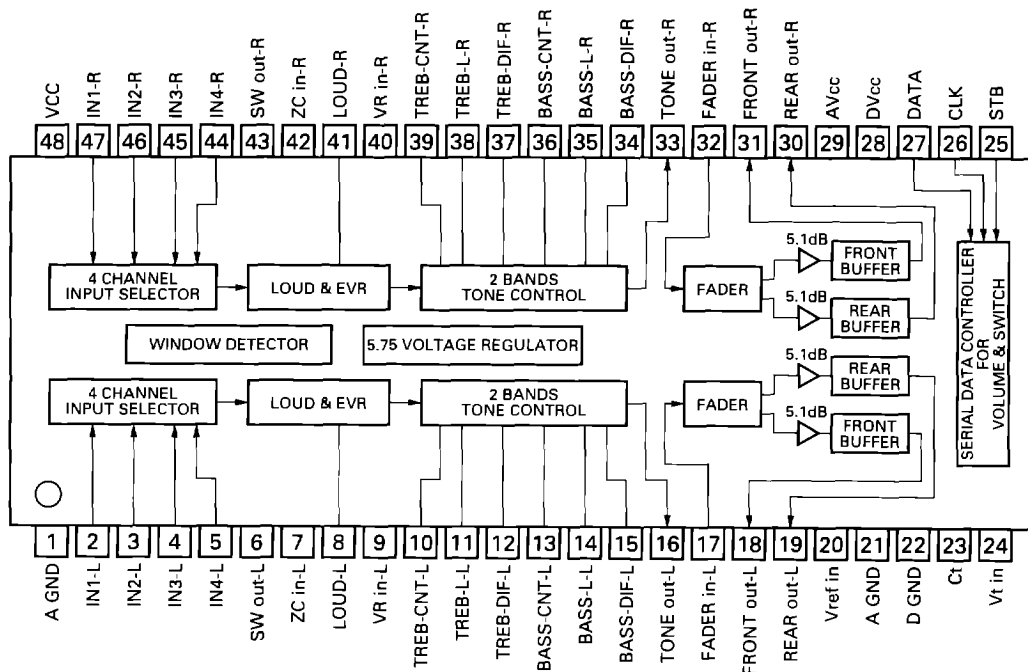
PA4023B



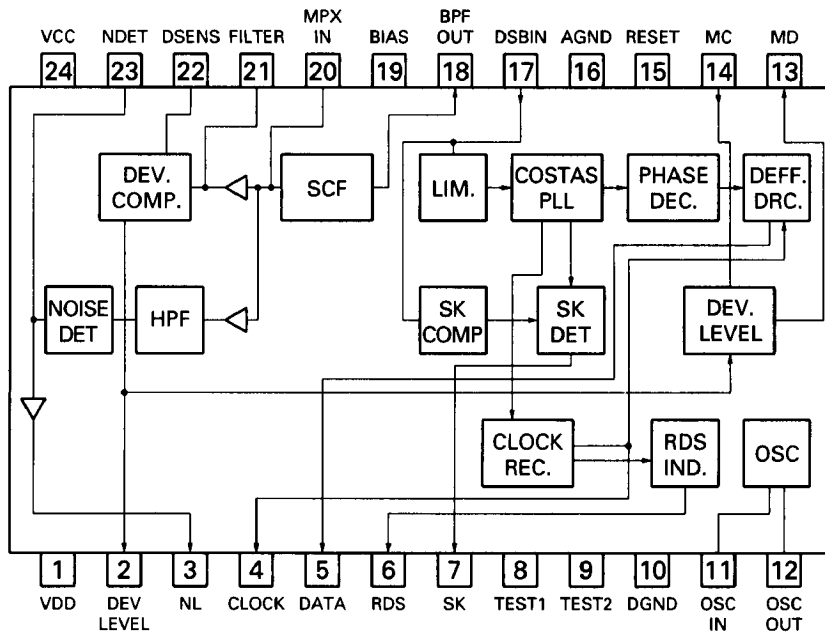
PM2005B



SN761027DL



PMW001B



● Pin Functions (PD4752A)

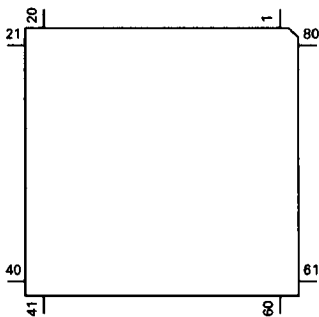
| Pin No. | Pin Name | I/O | Format | Function and Operation |
|---------|----------|-----|--------|--|
| 1 | OPEN | | | Not used |
| 2 | MECMUT | I | | Cassette mechanism mute input |
| 3 | N/R | I | | Tape direction input |
| 4 | AVSS | | | A/D converter ground |
| 5 | TAPLD | I | | Tape loading sense input |
| 6 | EDTIN | I | | NV RAM data input |
| 7 | AVREF1 | | | A/D converter reference voltage |
| 8 | AMPW | O | C | AM power output |
| 9 | FMPW | O | C | FM power output |
| 10 | ECE | O | C | Chip enable output for NV RAM |
| 11 | PDI | I | | Data input from PLL IC |
| 12 | PDO | O | C | Data output for PLL IC |
| 13 | PCK | O | C | Serial clock output for PLL IC |
| 14 | PCE | O | C | Chip enable output for PLL IC |
| 15 | CURRQ | O | C | Tuner voltage fix output |
| 16 | BSI | I | | P-BUS serial data input |
| 17 | BSO | O | C | P-BUS serial data output |
| 18 | BSCK | I/O | /C | P-BUS clock input/output |
| 19 | SD | I | | SD input |
| 20 | MUTCNT | I | | NF mute control input |
| 21 | BSRQ | I | | P-BUS serial pole request input |
| 22 | HKD2 | I | | Key input 2 from steering wheel remote control |
| 23 | HKD0 | I | | Key input 0 from steering wheel remote control |
| 24 | HKD1 | I | | Key input 1 from steering wheel remote control |
| 25 | RDSLK | I | | RDS LK signal input |
| 26 | RDT | I | | RDS demodulation data input |
| 27 | L/S | | C | Sensitivity of noise level select |
| 28 | MDSSENS | I | | Modulation detect input |
| 29 | DRST | O | C | Decoder reset output |
| 30 | RECIVE | O | C | During RDS data reception output |
| 31 | SK | I | | SK signal input |
| 32 | ERROR | O | C | Disapprove of error correction output |
| 33 | VSS | | | GND |
| 34 | EVDT | O | C | Electric volume serial data output |

| Pin No. | Pin Name | I/O | Format | Function and Operation |
|---------|----------|-----|--------|---|
| 35 | EVCK | O | C | Electric volume serial clock output |
| 36 | VST | O | C | Strobe pulse output for electronic volume |
| 37-39 | HKST0-2 | O | N | Key strobe output for steering wheel remote control |
| 40 | TMUTE | O | C | Tuner mute output |
| 41 | BRST | O | C | Reset output |
| 42 | DKOUT | O | C | DK interrupt output |
| 43 | BINH | O | C | P-BUS display inhibit output pin |
| 44 | BRXEN | I | C | P-BUS reception enable input |
| 45 | PEE | O | C | Beep tone output |
| 46 | MCPW | O | C | Mechanism power output |
| 47 | RDS57K | I | | RDS 57kHz signal input |
| 48 | SYSPW | O | C | System power control output |
| 49 | MUTE | O | C | System mute output |
| 50 | \$WVDD | O | C | Power supply output |
| 51-55 | KST0-4 | O | C | Key strobe output |
| 56-59 | KD0-KD3 | I | | Key data input |
| 60 | RESET | I | | Reset input |
| 61 | LDET | I | | PLL lock sense input |
| 62 | RCK | I | | RDS demodulation clock input |
| 63 | ST | I | | FM stereo input |
| 64 | ASENS | I | | ACC power sense input |
| 65 | BSENS | I | | Back up power sense input |
| 66 | EJSENS | I | | Eject sense input |
| 67 | ADPW | O | C | Control output for A/D converter |
| 68 | VDD | | | Power supply |
| 69 | X2 | | | Crystal oscillator connection pin |
| 70 | X1 | | | Crystal oscillator connection pin |
| 71 | IC | | | GND |
| 72 | XT2 | | | Not used |
| 73 | TESTIN | I | | Test program mode input |
| 74 | AVDD | | | Positive power supply terminal for analog circuit |
| 75 | AVREF1 | | | A/D converter reference voltage |
| 76 | SL | I | | SD level input from tuner |
| 77 | COMP | I | | RDS composite input |
| 78 | NL | I | | Noise level input |
| 79 | OPEN | | | Not used |
| 80 | BSET | O | C | P-BUS data head set output |

IC's marked by* are MOS type.

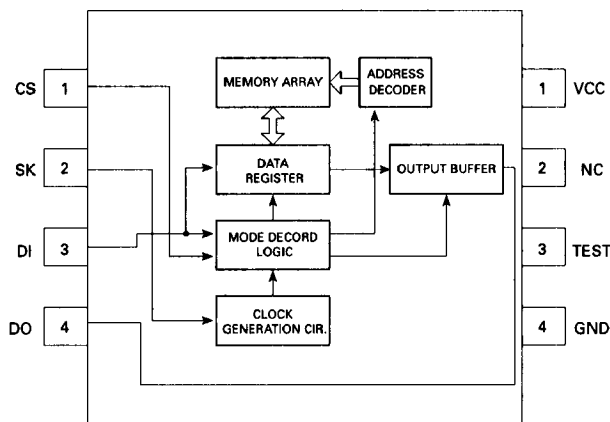
Be careful in handling them because they are very liable to be damaged by electrostatic induction.

*PD4752A



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

S-29220A



7.2 DIAGNOSIS

7.2.1 DISASSEMBLY

● Removing the Case(not shown)

1.Remove the screw and then remove the case.

● Removing the Cassette Mechanism Assy(not shown)

1.Remove the four screws .

2.Disconnect the connector.

3.Remove the cassette mechanism assy.

● Removing the Grille Assy(Fig.18)

1.Press the four tabs indicated by arrows and then pull out the grille assy.

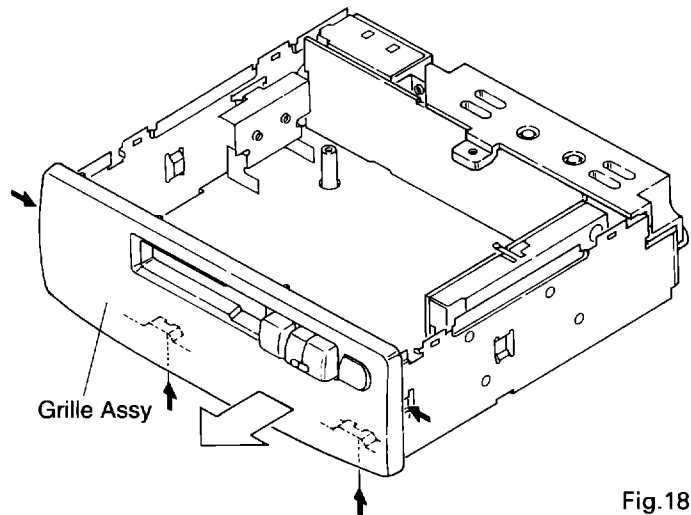


Fig.18

● Removing the Heat Sink(Fig.19)

1.Remove the two screws A and four screws B.

2.Remove the heat sink.

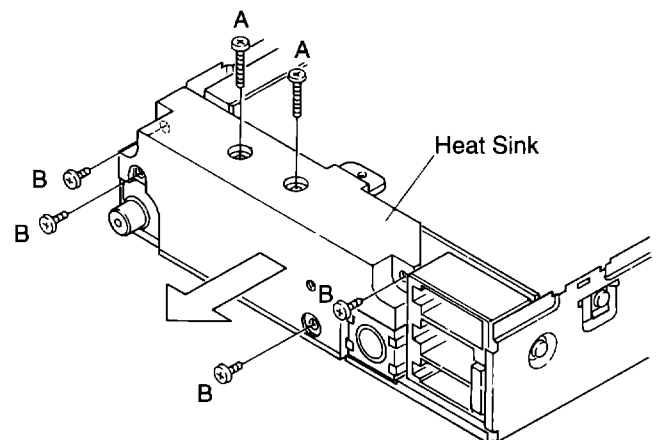


Fig.19

● Removing the Chassis Unit(Fig.20)

1.Remove the two screws C.

2.Stretch the claws indicated by arrows and then remove the chassis unit.

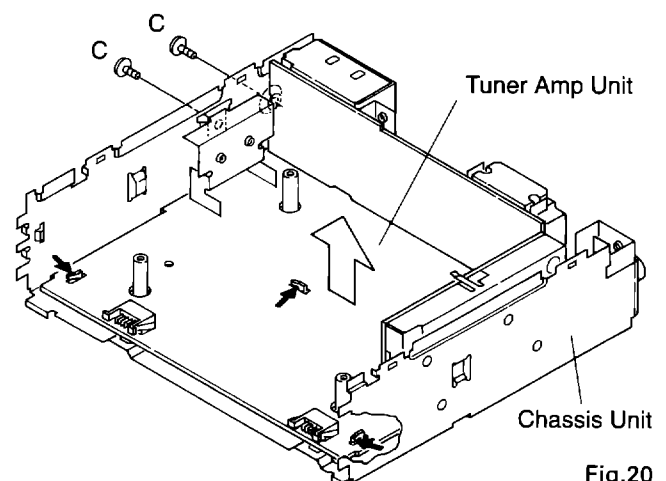
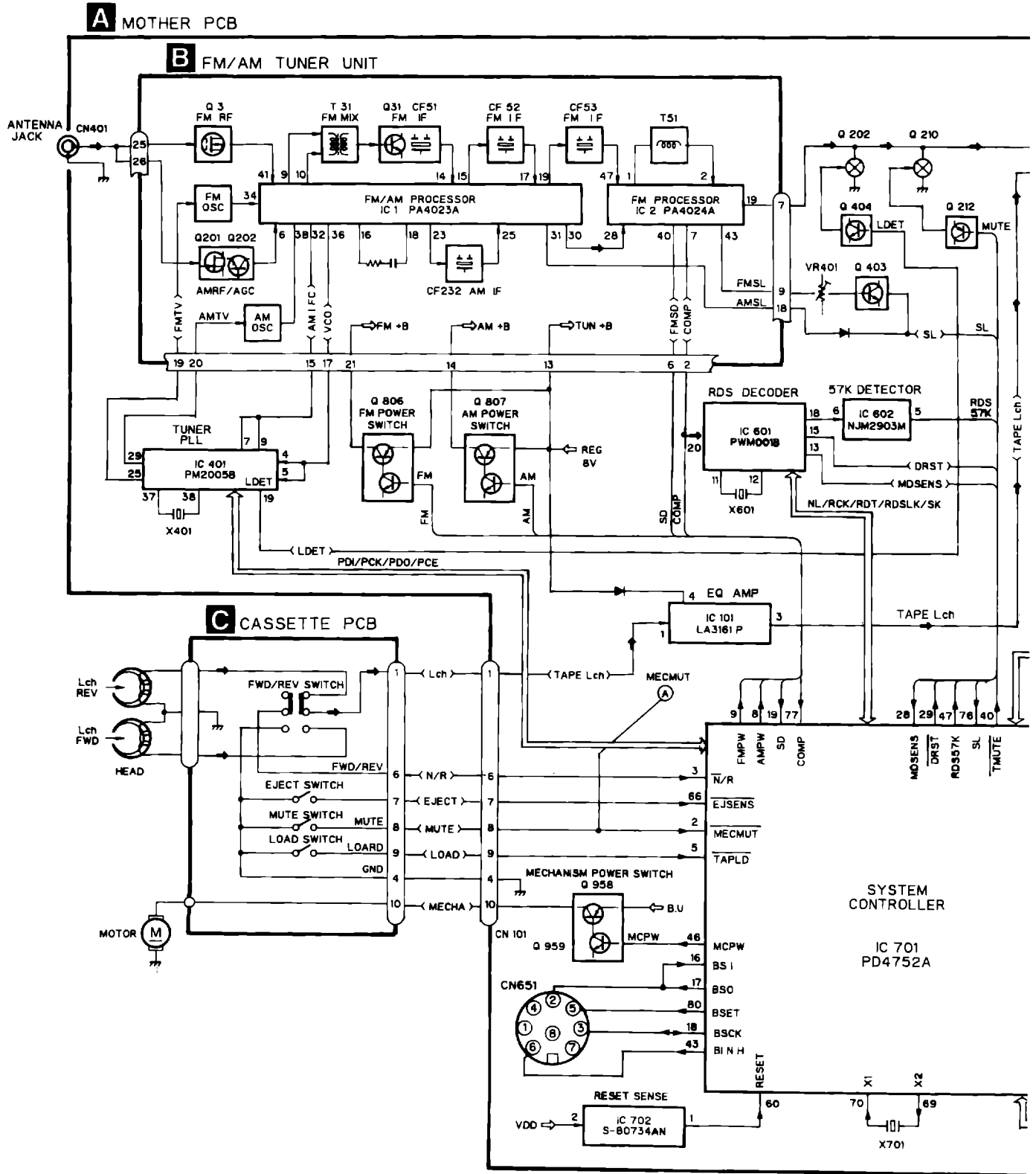


Fig.20

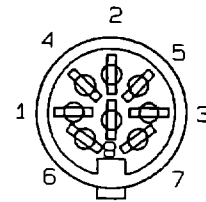
7.3 BLOCK DIAGRAM



7.4 CONNECTOR FUNCTION DESCRIPTION

| CONNECTEUR ISO | | | |
|-----------------|----------|---------|------------|
| TERMINAL NUMBER | FUNCTION | ALVEOLE | FONCTION |
| A1 | N.C | A1 | N.C |
| A2 | ILL | A2 | LANTERNES |
| A3 | N.C | A3 | N.C |
| A4 | BACK UP | A4 | PERMANENT |
| A5 | N.C | A5 | N.C |
| A6 | N.C | A6 | N.C |
| A7 | ACC+ | A7 | ACCESSOIRE |
| A8 | GND | A8 | MASSE |
| B1 | R.R+ | B1 | ARD+ |
| B2 | R.R- | B2 | ARD- |
| B3 | F.R+ | B3 | AVD+ |
| B4 | F.R- | B4 | AVD- |
| B5 | F.L+ | B5 | AVG+ |
| B6 | F.L- | B6 | AVG- |
| B7 | R.L+ | B7 | ARG+ |
| B8 | R.L- | B8 | ARG- |
| C1 | N.C | C1 | N.C |
| C2 | N.C | C2 | N.C |
| C3 | N.C | C3 | N.C |
| C4 | GND | C4 | MASSE |
| C5 | L0 | C5 | L0 |
| C6 | IN2 | C6 | IN2 |
| C7 | L1 | C7 | L1 |
| C8 | IN0 | C8 | IN0 |
| C9 | L5 | C9 | L5 |
| C10 | IN1 | C10 | IN1 |

| ENTREE AFFICHAGE | |
|------------------|----------------------------------|
| 1 | GND (masse) |
| 2 | BDATA (donnees numeriques) |
| 3 | BSCK (Bus synchronisation clock) |
| 4 | BRXEN (Bus reception enable) |
| 5 | BSET (Bus set) |
| 6 | BINH (Bus inhibit) |
| 7 | GND (masse) |
| 8 | GND (masse) |



AFFICH 8 POINTS
VUE EXTERIEURE

ANTENNA JACK

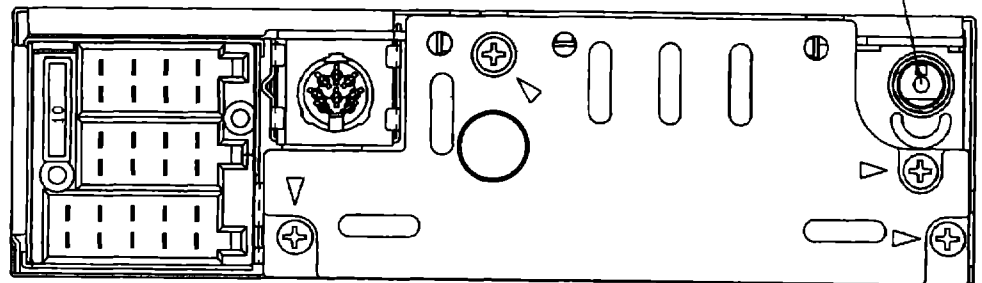
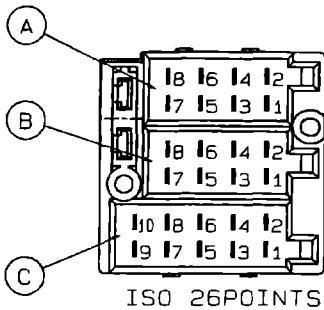


Fig.22

II) PROTECT YOUR RADIO FROM THEFT

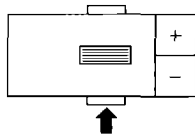
Your RENAULT radio will not operate once it is removed from the console, making it virtually useless to a thief. The only way to restore power to the radio once it is removed is to enter a four-digit security code unique to your radio. The anti-theft features of your radio operate as follows:

1. The removal of the battery from the car or the radio will render the radio inoperable until voltage is restored and the security code is entered. The radio must be turned on before the code is entered. The word "CodE" will show on the display.

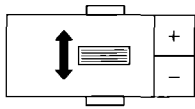


2. To enter your security code number.

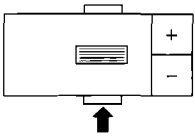
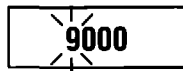
For Example: You want to enter the code 9451



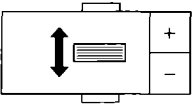
A: Press the button to initiate the first digit entry mode.



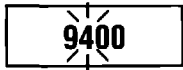
B: Turn the knob to display "9".



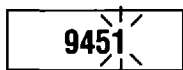
C: Press the button to initiate the second digit entry mode.



D: Turn the knob to display "4".



E: Repeat C and D above to display "9451".



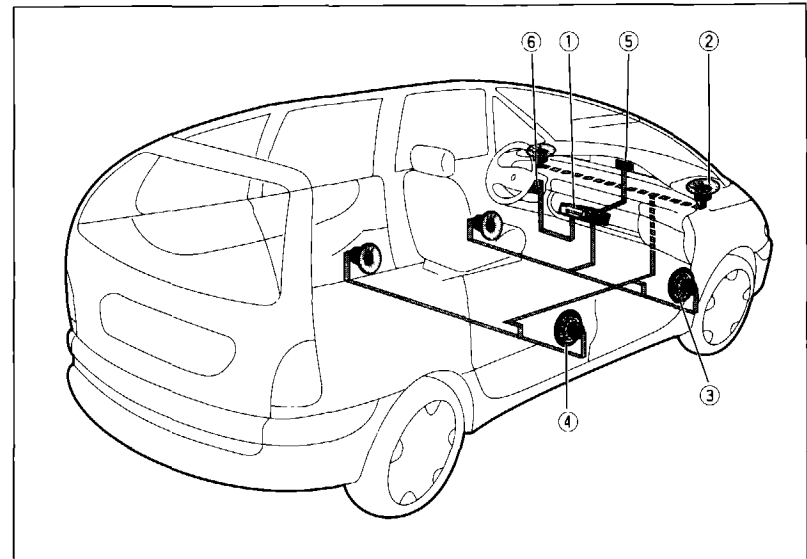
I) DESCRIPTION OF THE SYSTEM

Audio components:

- ① Tuner deck amplifier
- ②-④ 6 loudspeakers
- ⑤ Display on instrument panel
- ⑥ Steering wheel satellite remote control

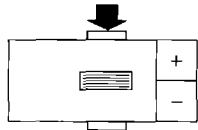
Principal features

- AM/FM stereo reception
- Tuner equipped with all RDS EON operations
 - Network follow (AF)
 - Traffic Announcements (TA)
 - Regional mode (REG)
- Best Station Memory (BSM)
- Autoreverse cassette player
- Secret code anti-theft protection
- Sound quality adjustable to personal preference



III) SIMPLIFIED GUIDE

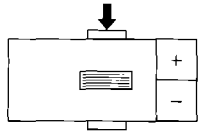
1) Satellite functions:



The audio players and radio are activated successively with each long push on this button.

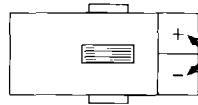
OFF → RADIO⁽¹⁾ (CASSETTE) → OFF

⁽¹⁾ The unit is switched to radio receiver when no cassette tape has been loaded. It is switched to cassette tape player when a cassette tape has been loaded.



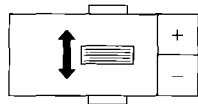
In radio mode, the band is changed each time this button is pressed briefly.

FM1 → FM2 → FM3 → MW/LW → FM1 → FM2 → etc.



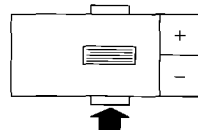
These two buttons control sound volume.

Also, the volume can be decreased by pulling the two buttons simultaneously. To return to the original position, pull the two buttons again or adjust volume by one button only.



Moving the knob in either direction, by one or more turns, results in:

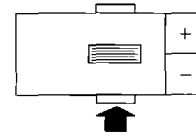
- When listening to the radio, a change of stations stored in memory (six possible choices in a loop)



Pressing this button results in:

- In radio mode:

With a long push, seek tuning with increasing frequency. When the button is pressed briefly, a step-by-step tuning is performed.



F: Press and hold the button to validate security code.

A wrong input disables you to enter the code number for 1 minute. Like wise, the code number cannot be entered for 2, 4, 8, 16, and 32 minutes.

You should keep the radio turned on during these waiting time.

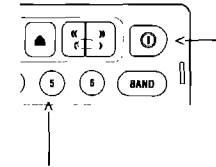
3. For the sake of safety, never leave your code number in the car. If you should not know the code number, please contact a RENAULT dealer nearest to you. The dealer will contact RENAULT so as to inform you of your code number.

4. If the radio fails and require servicing, be sure to release the anti-theft feature before calling for service. After it has come back from servicing, turn the anti-theft feature on again.

WARNING:

FOR YOUR PROTECTION, CODES WILL **NOT** BE GIVEN OUT TO ANYONE - UNDER ANY CIRCUMSTANCES - EXCEPT AUTHORIZED RENAULT DEALER PERSONNEL AFTER PROOF OF RADIO OR VEHICLE OWNERSHIP AND PROPER IDENTIFICATION IS ESTABLISHED.

How to turn anti-theft feature off and on



1. While the power of the radio is off, press two buttons simultaneously to enter the security code entry mode.

2. Enter the code by following steps A to F in step 2 in the procedure above. The anti-theft feature will be turned off when the correct code is entered.

3. Repeat the steps 1 and 2 every time when you want to turn the anti-theft feature on.

WARNING:

IF YOU TURN OFF THE ANTI-THEFT FEATURE, YOUR RADIO WILL NOT BE PROTECTED AGAINST THEFT ANY MORE

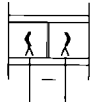
2.3) How to use the radio?

a) Select Tuner mode



- Press the button to turn on the radio.
- If a cassette is loaded press the button to eject it.

b) Choose a station



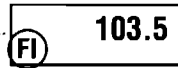
- Pressing the button (<) or (>) continuously (2 audible pips) causes the system to run through the frequencies to the next station picked up.
- A step-by-step tuning is executed by pressing this button briefly.

c) Changing the band



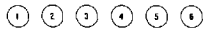
In radio mode, each time this button is pressed the band changes as follows:

FI → FII → FIII → M or L → FI → etc. ...

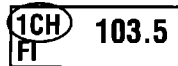


- FI, FII, FIII are three identical FM bands which provide increased memory options (6 stations per band)
- M corresponds to medium wave (MW) and L to long wave (LW)

d) Storing a station

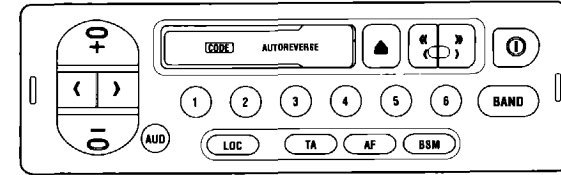


The current station is stored in the memory by pressing one of these numeric buttons continuously. The logo "x CH" flashes and is then displayed continuously and a pip confirms that the station has been stored in the memory.



To listen to a station which was stored in the memory, briefly press one of these buttons.

2) Operations on the main unit:

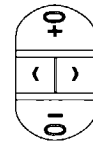


2.1) How to switch on your audio system?



Press the button to turn power on. Pressing it again turns power off.

2.2) How to adjust the sound?



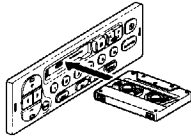
- Volume:
Press the + or - button



- Sound quality
After pressing the AUD button once, select the required adjustment by pressing the button several times in succession.
1st press: Tuner info → 2nd: FADER (+: forward; -: backward) → 3rd: BASS → 4th: TREBLE → 5th BALANCE -: to the right; +: to the left
- In the MW/LW band, the unit does not change to Tuner info mode.

2.6) How to use the cassette player

- To switch on the cassette player



Insert a cassette tape into the cassette insertion slot.



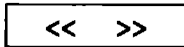
Press the ▲ button to eject the tape.

- Fast forward and rewind



Press the (<<) or (>>) button.

| | | |
|--------|--------------|--------------|
| | << | >> |
| PLAY A | rewind | fast forward |
| PLAY B | fast forward | rewind |



To release the fast tape transport, press the button indicating the opposite direction to the button which was pressed above.

- autoreverse



Press the (<<) and (>>) buttons simultaneously to switch the played tape side.

- The << and >> indicators light up when the played side is switched.



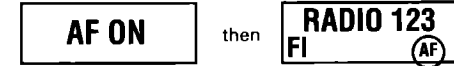
"PLAY A" or "PLAY B" is displayed during playback. If playback has been stopped by turning the radio off, it will resume at the same point when turning the radio on.

e) Using the network follow system during a long journey (AF)



This is only available if the station selected is an RDS station. If the name of the station does not appear on the display it is not an RDS station and the function does not apply.

Press the AF button. The following display should then appear:



If the station selected is not an RDS one, "AF" will not appear. To cancel the function, press AF again.

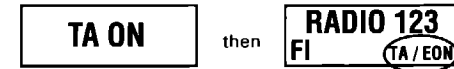
After the AF mode is selected, it remains operational irrespective of the frequency and the FM band selected.

2.4) Using traffic information (TA) mode (on FM only)



- In radio mode, traffic information from the selected station or another linked station can be received. This function is only possible if the selected station displays the letters TP or EON/TP.

Press the TA button, the following should appear on the display:



If the station is not TP, the TA logo will not appear.

- When in cassette mode, if you wish to listen to traffic bulletins press the TA button. The audio system will automatically seek for a station broadcasting these messages. When a message is broadcast, it will interrupt the cassette. At the end of the bulletin, the cassette will resume operation.

When a traffic bulletin is broadcast, "TRAFFIC" will appear on the dashboard display for 7 seconds.

After the TA mode is selected it remains active irrespective of the mode selected, except for AM.

2.5) How to recognise the status of the functions (AF), (TA) and (REG).



- If the AF, TA or REG displays appear continuously, the corresponding function is active.
- If the AF, TA or REG displays do not appear continuously the corresponding function is not active.

To check this, press the AUD button:

- If the AF, TA or REG displays flash, the function has been selected but is not available on the station chosen.
- If the AF, TA or REG displays do not appear, the corresponding function has not been selected.

