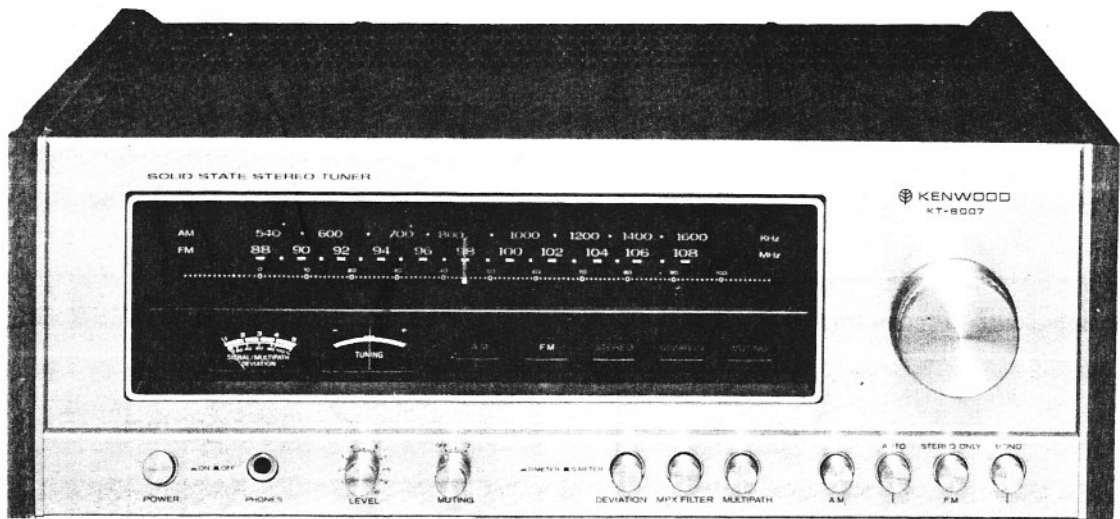


KENWOOD
HI/FI STEREO COMPONENTS

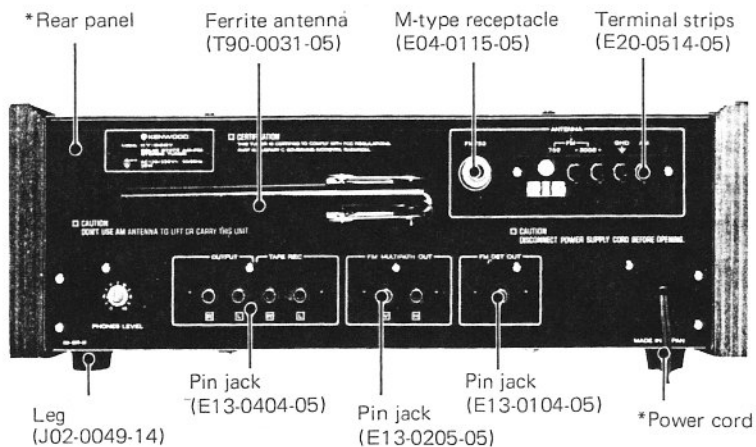
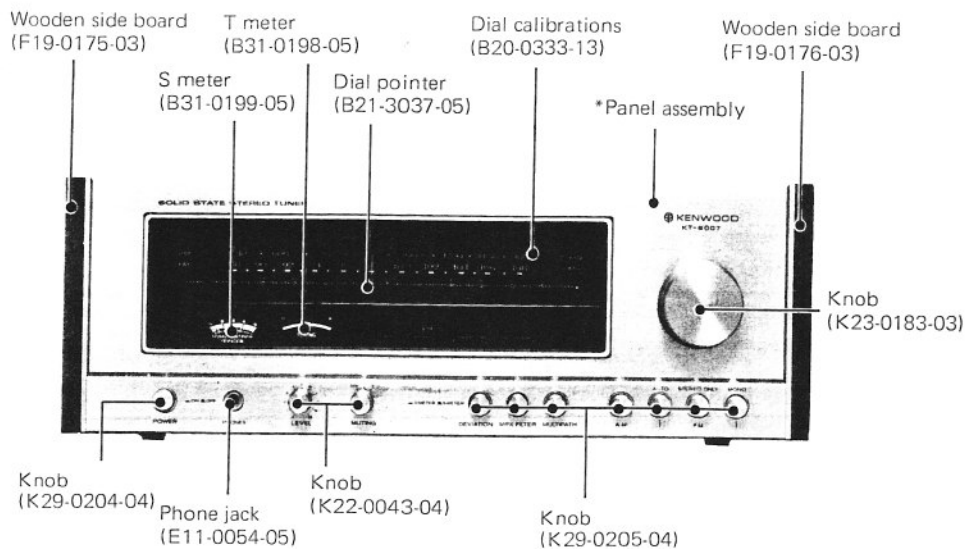
SERVICE MANUAL

KT-8007



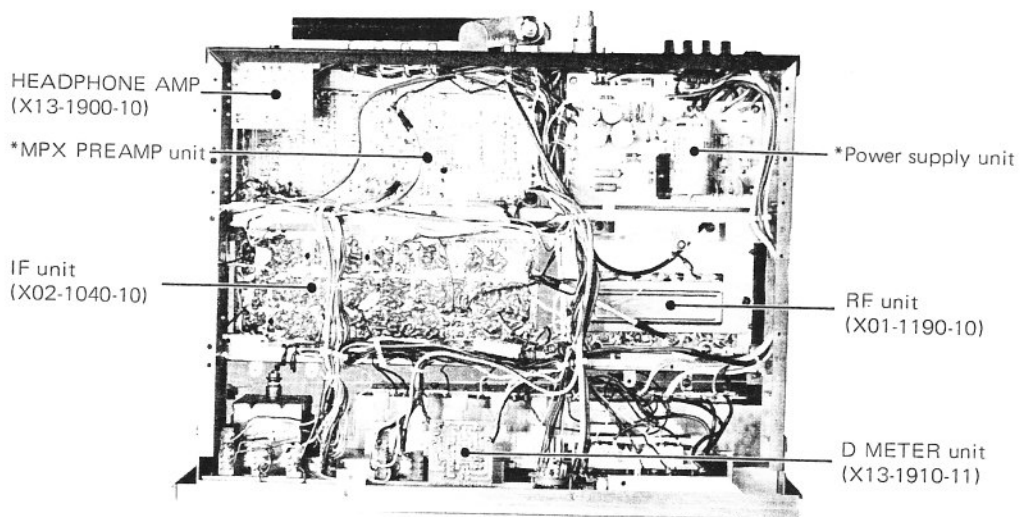
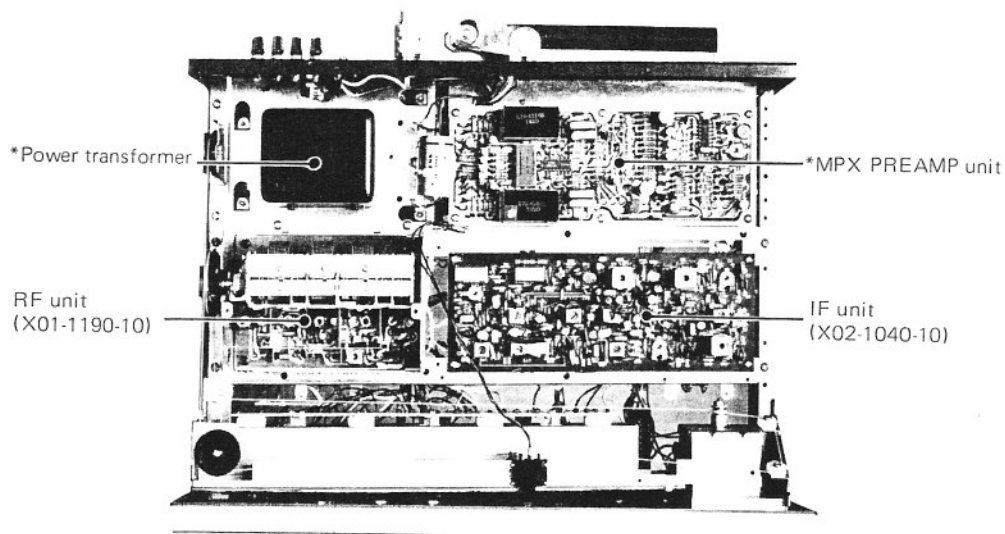
SOLID STATE STEREO TUNER

EXTERNAL VIEW



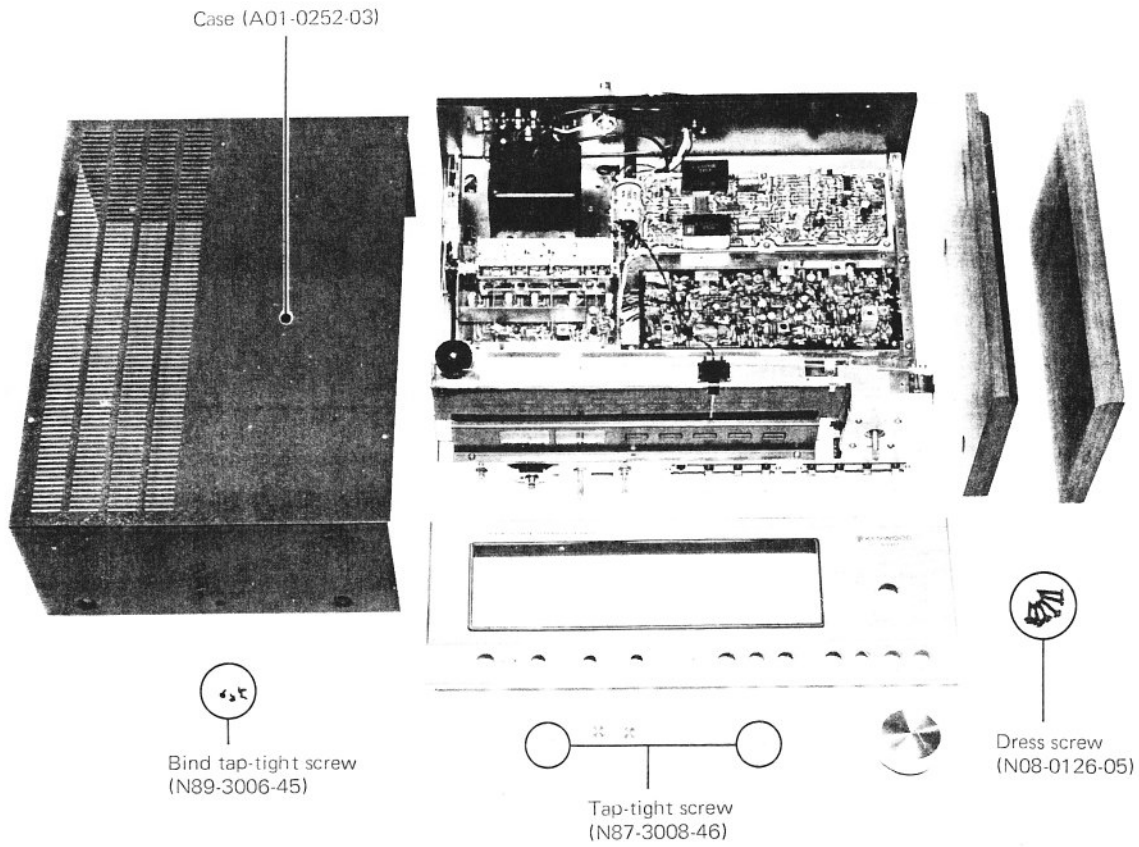
* Refer to
MODIFICATION PARTS LIST

TOP & BOTTOM VIEW

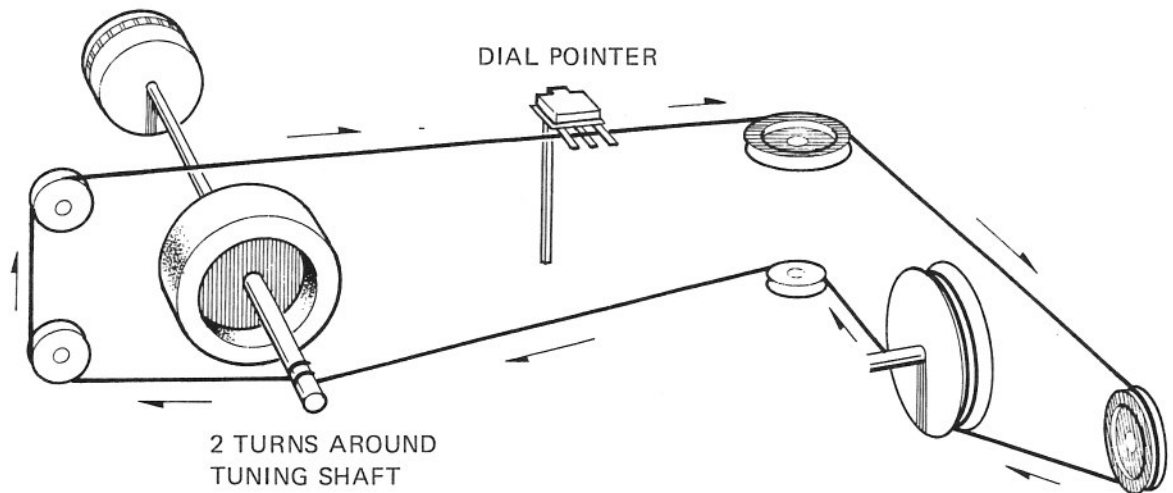


* Refer to
MODIFICATION PARTS LIST

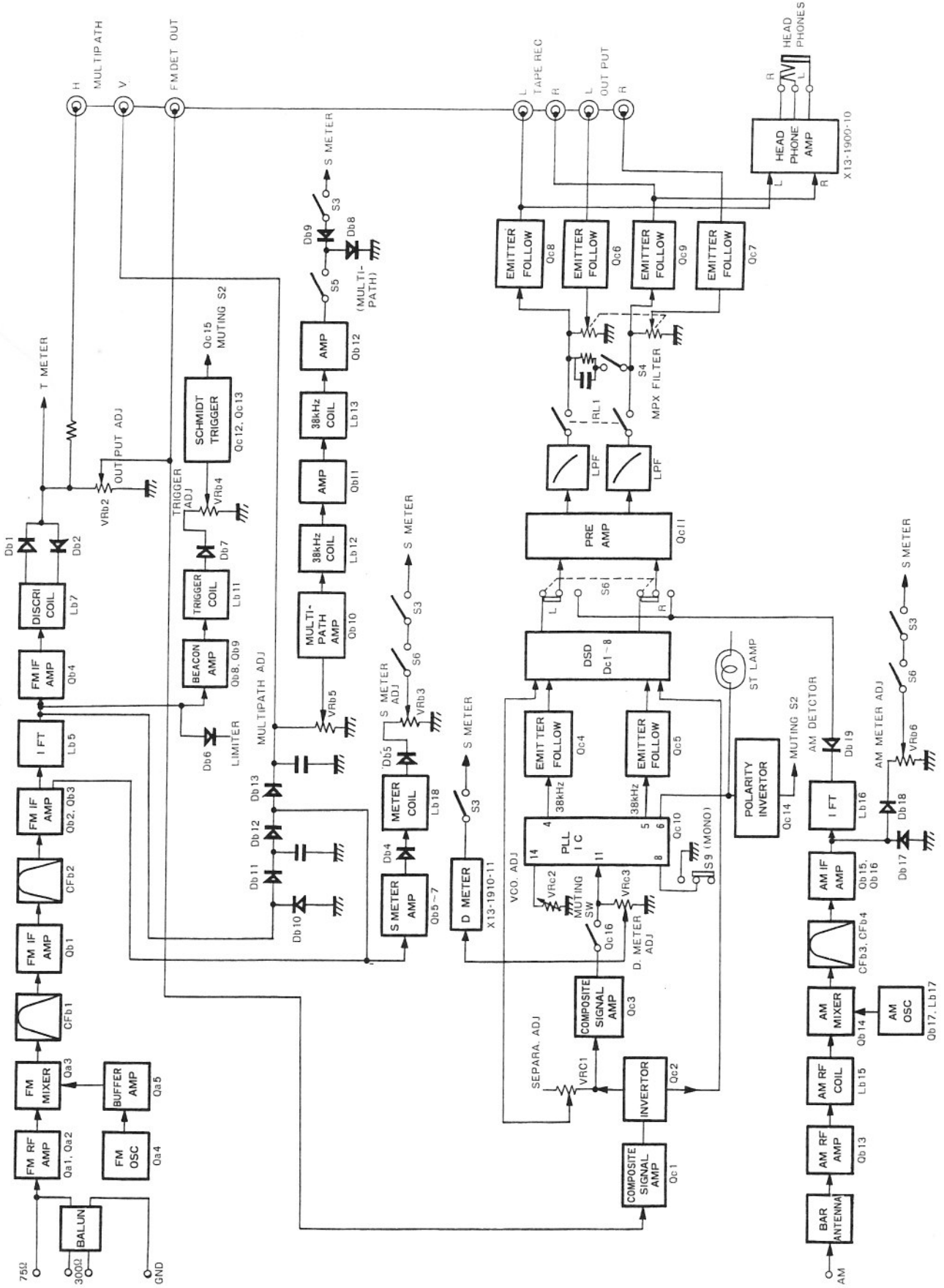
DISASSEMBLY / CORD STRINGING



▼ CORD STRINGING



BLOCK DIAGRAM



CIRCUIT DESCRIPTION/PACKING

MPX PREAMP (X04-1070-10)

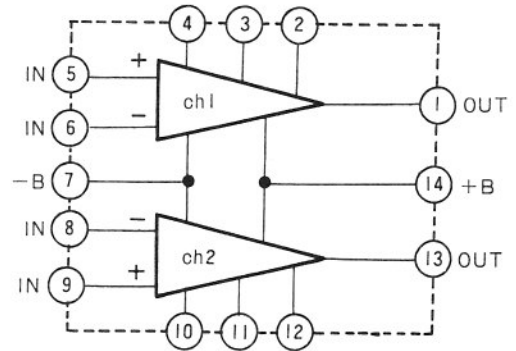
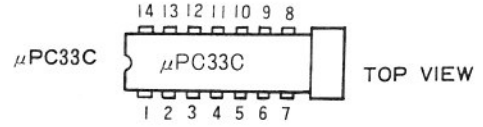
High stability, means that accurate switching signal can be made for a long time and good separation are the necessary conditions required in the design of MPX circuit. In the previous design, 38 kHz sub-carrier signal was generated by doubling 19 kHz pilot signal and it was impossible to obtain high stability in the case of using LC tuning circuit. In this circuit PLL IC is used to construct 38 kHz sub-carrier and DSD (Double Switching Demodulator) circuit to demodulate stereo signals. Now, application of PLL IC and DSD circuit attain high stability and good separation.

Preamp section consists of DC amp circuit using IC, low pass filter, an audio muting circuit using relay and an emitter follower circuitry.

D METER (X13-1910-11)

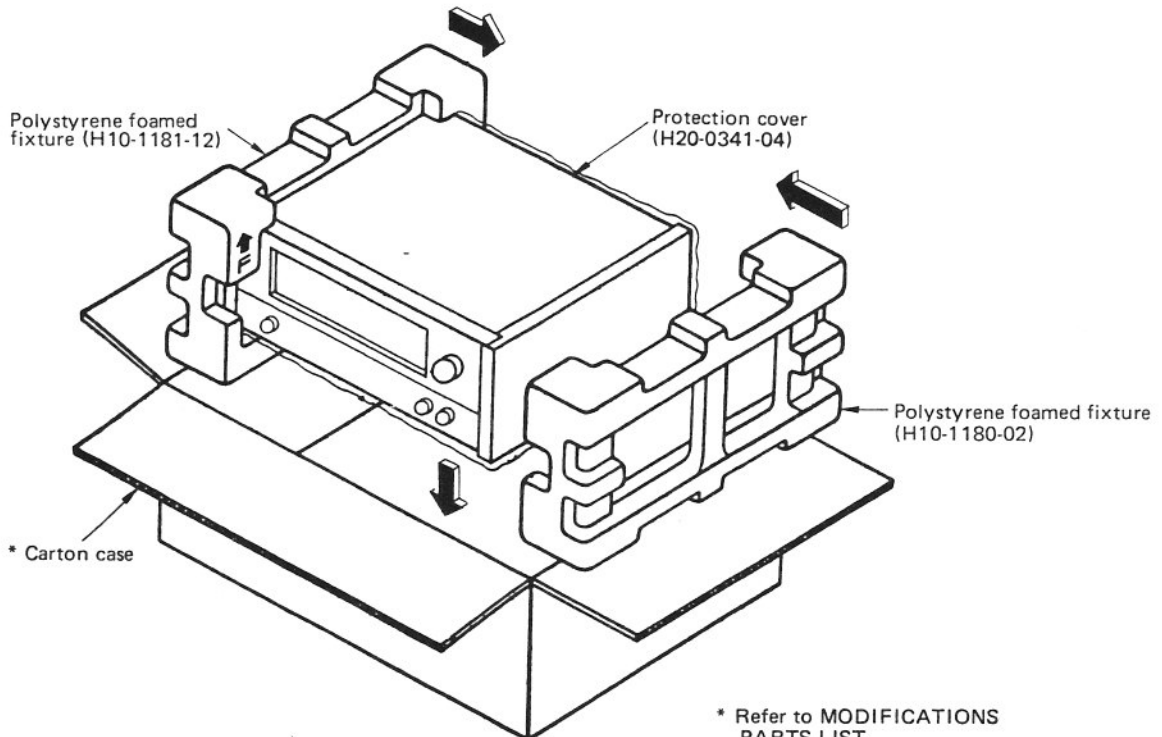
The Deviation Meter indicates the frequency deviation of an FM broadcast and degree of modulation in terms of ± 75 kHz deviation at 100% modulation.

A signal from a composite amplifier stage (Qc1 ~ 3, Qc16) is fed to ICq1. Incoming signal level, FM multipath interference and FM carrier deviation can all be indicated accurately with a very versatile meter located on the front panel.



▲ μPC 33C

▼ PACKING



* Refer to MODIFICATIONS PARTS LIST

ADJUSTMENTS

- * Tuning dial is set to the proper point corresponding to no radio stations.
- * The sweep and the r.f. generator are set to the lowest response possible on oscilloscope.
- * When connecting the r.f. generator to the antenna terminal, use the dummy antenna . . . refer to Fig. 1.
- * Use the insulated screwdriver adjusting the i.f.t.
- * FM MUTING is OFF position unless it is required.
- * Test point shown in the schematic diagram and PC board.
- * INPUT means antenna input level.

| No. | ALIGN | TEST EQUIPMENTS | | TUNER SETTING | OUTPUT INDICATOR | ADJUSTMENT POINTS | REMARKS |
|-------------------|-----------------|--|--|------------------------------|---|---------------------------|--|
| | | CONNECTION | SETTING | | | | |
| FM SECTION | | | | | | | |
| 1 | IFT | SWEEP to TP1 via. 5pF cap. | 10.7 MHz | Non-station | SCOPE to TP2 via 100 k Ω resist. | La7, Lb5 | Maximum deflection (Fig. 2) |
| 2 | IFT | Same | Same | Same | SCOPE to T3 | Lb11 | Same |
| 3 | DISCRIMINATOR | Same | Same | | VTVM & SCOPE to REC jack | Lb7 | S-response and its symmetry on each side of 10.7 MHz center frequency (Fig. 3) |
| 4 | TRACKING | RF-SG to ANT via. dummy ant. | 90 MHz 75 kHz (Dev.) 400 Hz (Mod.) | 90 MHz | Same | La1, La3, La4 La6, La8 | Maximum deflection |
| 5 | TRACKING | Same | 105 MHz 75 kHz (Dev.) 400 Hz (Mod.) | 105 MHz | Same | CTa1 ~ 5 | Same |
| 6 | BEACON | Same | 95 MHz 75 kHz (Dev.) 400 Hz (Mod.) 60 dB (Input) | 95 MHz | DC Volt Meter to TP4 | VRb4 | Set VRb4 to its center. Check the output (DC) at TP4 and assume its value for 0 dB |
| 7 | IF GAIN | Same | 95 MHz 75 kHz (Dev.) 400 Hz (Mod.) 22 ~ 23dB (Input) | Same | Same | VRb1 | Adjust VRb1 so that the output is at -3 dB in respect to 0 dB |
| 8 | MUTING | Same | Same | 95 MHz MUTING 1 position | Same | VRb4 | Adjust VRb4 so that muting operation is on. |
| 9 | AF OUTPUT | Same | 95 MHz 75 kHz (Dev.) 400 Hz (Mod.) 60 dB (Input) | 95 MHz | VTVM & SCOPE to REC jack | VRb2 | Output is 1.5V. |
| 10 | S METER | Same | Same | Same | S meter | Lb18 | Maximum deflection |
| 11 | S METER | Same | Same | Same | S meter | VRb3 | Confirm the meter deflection at 4.5 |
| 12a | VCO | — | — | Non-station | Frequency-counter to TP5 | VRc2 | Counter indicates 19 kHz. |
| 12b | VCO | RF-SG to ANT via. dummy ant. MPX-SG to RE-SG ext. Mod. | 95 MHz 60 dB (Input) PILOT SIG. ON-OFF | 95 MHz | SCOPE to TP5 | Same | Phase not drift. |
| 13 | DEVIATION METER | Same | 95 MHz 67.5 kHz (Dev.) 400 Hz (Mod.) 60 dB (Input) L + R (SELECTOR) | 95 MHz Deviation meter SW | Deviation meter | VRc3 | Meter indicates 100% |

ADJUSTMENTS

| No. | ALIGN | TEST EQUIPMENTS | | TUNER SETTING | OUTPUT INDICATOR | ADJUSTMENT POINTS | REMARKS |
|-------------------|------------|-----------------|--|---------------|--------------------------|------------------------|-------------------------------------|
| | | CONNECTION | SETTING | | | | |
| 14 | SEPARATION | Same | 95 MHz 67.5 kHz (Dev.) 400 Hz (Mod.) 60 dB (Input) L or R (SELECTOR) | 95 MHz | VTVM & SCOPE to REC jack | VRc1 | Minimum deflection |
| 15 | MULTIPATH | AG to TP6 | 38 kHz (1mV) | Non-station | VTVM & SCOPE to TP7 | Lb12, Lb13 | Maximum deflection |
| 16 | MULTIPATH | — | — | Non-station | — | VRb5 | Set VRb5 to its center |
| AM SECTION | | | | | | | |
| 1 | IFT | RF-SG to ANT | 1,000 kHz (400 Hz, 30% Mod.) | 1,000 kHz | VTVM & SCOPE to REC jack | Lb16 | Maximum deflection |
| 2 | TRACKING | RF-SG to ANT | 600 kHz (400 Hz, 30% Mod.) | 600 kHz | Same | Lb15, Lb17 Ferrite ANT | Same |
| 3 | TRACKING | Same | 1,400 kHz (400 Hz, 30% Mod.) | 1,400 kHz | Same | CTa6 ~ 8 | Same |
| 4 | S METER | Same | 1,000 kHz (400 Hz, 30% Mod.) | 1,000 kHz | S meter | VRb6 | Confirm the meter deflection at 4.5 |

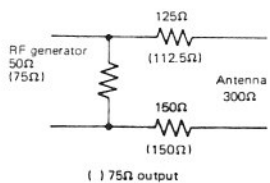


Fig. 1 Dummy antenna

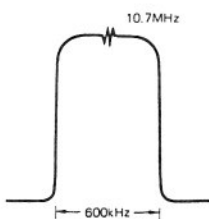


Fig. 2 IF waveform

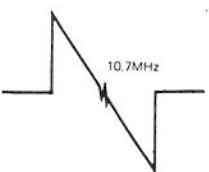


Fig. 3 DISCRI waveform

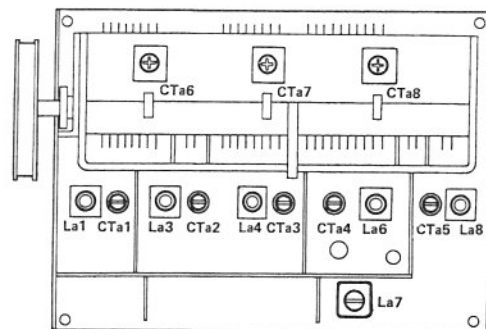


Fig. 4 RF unit

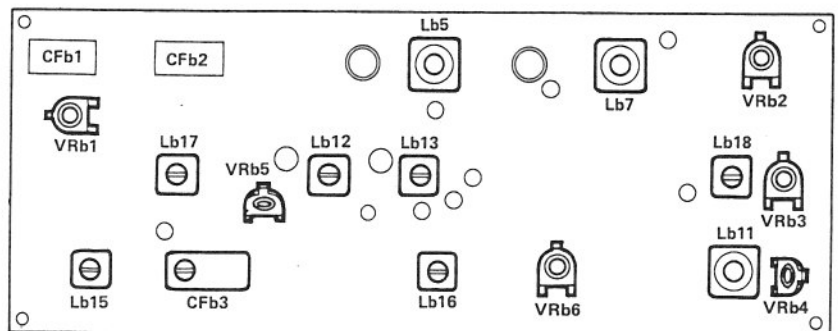


Fig. 5 IF unit

MODIFICATION PARTS LIST

| Ref. No. | U.S.A. (K) | Canada (P) | Europe (W) | Scandinavia (L) | England (T) | Other area (M) | Description |
|----------|--------------|--------------|-------------|-----------------|-------------|----------------|-------------------------------------|
| R2 | RC05GF2H225K | RC05GF2H225K | | | | | Carbon resistor 2.2MΩ ±10% 1/2W |
| - | A20-0852-02 | A20-0852-02 | A20-0852-02 | A20-0852-02 | A20-0858-02 | A20-0852-02 | Panel assembly |
| - | A20-0853-02 | A20-0853-02 | A20-0853-02 | A20-0853-02 | A20-0859-02 | A20-0853-02 | Panel |
| - | A23-0527-02 | A23-0527-02 | A23-0529-02 | A23-0530-02 | A23-0529-02 | A23-0528-02 | Rear panel |
| - | B40-1079-04 | B40-1078-04 | | | B40-1080-04 | | Model name plate |
| - | B42-0359-04 | | B42-0024-04 | | | | SEV sticker |
| - | B42-0439-04 | B42-0439-04 | | | | | Caution sticker (side board) x 2 |
| - | B46-0002-00 | B46-0021-00 | B42-0473-14 | B42-0473-14 | | B42-0473-14 | Caution sticker (F use) |
| - | B50-1249-00 | B50-1249-00 | B50-1249-00 | B50-1249-00 | B50-1251-00 | | Serial number seal |
| - | | | B58-0156-00 | | B58-0003-00 | | Warranty card |
| - | | | B58-0157-00 | | B58-0101-00 | | Instruction manual |
| - | | | | | | | Power supply caution card |
| - | B58-0043-00 | B58-0043-00 | | | | | Power voltage selector caution card |
| - | | | D32-0021-04 | | D32-0021-04 | D32-0021-04 | Carton case caution card |
| - | E29-0047-04 | | | | | | Switch stopper |
| - | E30-0181-05 | E30-0181-05 | E30-0176-05 | E30-0292-05 | | | Ferrite antenna lead holder |
| - | | | | | | | Power cord |
| - | H01-1215-04 | H01-1216-04 | H01-1216-04 | H01-1216-04 | H01-1217-04 | H01-1216-04 | Carton case (inside) |
| - | | H03-0360-04 | H03-0360-04 | H03-0360-04 | H03-0361-04 | H03-0360-04 | Carton case (outside) |
| - | J41-0034-05 | J41-0034-05 | J41-0017-05 | J41-0017-05 | J41-0024-15 | J41-0034-05 | Power cord bushing |
| - | L04-0072-05 | L04-0072-05 | L09-0143-05 | L09-0142-05 | L03-0107-05 | L03-0107-05 | Power transformer |
| - | R90-0097-05 | | | | R90-0097-05 | R90-0097-05 | Spark killer |
| S1 | S59-2022-15 | S59-2022-15 | S31-2001-05 | S59-2023-15 | S31-2001-05 | S31-2001-05 | Slide switch |
| - | X00-1560-10 | X00-1560-10 | X00-1560-61 | X00-1560-61 | S59-2024-15 | S59-2024-15 | Pushbutton switch (POWER) |
| - | X04-1070-10 | X04-1070-10 | X04-1070-01 | X04-1070-01 | X00-1560-01 | X00-1560-01 | POWER SUPPLY unit |
| - | | | | | X04-1070-01 | X04-1070-10 | MPX PREAMP unit |

PARTS LIST

TOTAL

| Ref. No. | Parts No. | Description | Re- marks |
|----------------------|--------------|-------------------------------------|--------------|
| CAPACITOR | | | |
| C1 | CE02W1C471 | Electrolytic 470 μ F 16WV | |
| C2 | CE02W0J221 | Electrolytic 220 μ F 6.3WV | |
| C3 | CE02W1C222 | Electrolytic 2200 μ F 6.3WV | |
| C4 | CK45D1H561M | Ceramic 560pF \pm 20% | |
| RESISTOR | | | |
| R1 | RC05GF2H270K | Carbon 27 Ω \pm 10% 1/2W | |
| R3 | RN14AB3A271J | Metal film 270 Ω \pm 5% 1W | |
| SEMICONDUCTOR | | | |
| D1 | | 1N60 | |
| POTENTIOMETER | | | |
| VR1 | R06-4017-05 | 50k Ω (B) x 2 | |
| SWITCH | | | |
| S2 | S29-1071-05 | Rotary (MUTING) | |
| S6 ~ 9 | S42-4005-05 | Pushbutton (AM, FM) | |
| MISCELLANEOUS | | | |
| - | A01-0252-03 | Case | |
| - | A13-0094-03 | Frame (A) x 2 | |
| - | A13-0095-22 | Frame (B) | |
| - | A13-0096-12 | Frame (C) | |
| - | A13-0098-03 | Frame (E) | |
| - | A22-0165-01 | Sub-panel | |
| - | A33-0030-04 | Reflector | |
| - | A40-0136-03 | Bottom plate | |
| - | A48-0022-04 | Panel side plate (LEFT) | |
| - | A48-0023-04 | Panel side plate (RIGHT) | |
| - | A70-0083-05 | Lamp assembly | |
| - | B03-0072-03 | Dress board | |
| - | B07-0124-14 | Ring | |
| - | B07-0136-04 | Ring | |
| - | B07-0138-04 | Ring | |
| - | B07-0139-05 | Escutcheon | |
| - | B10-0166-04 | Front glass | |
| - | B19-0168-03 | Color board | |
| - | B19-0170-04 | Filter | |
| - | B20-0333-13 | Dial calibrations | |
| - | B21-3037-15 | Dial pointer | |
| - | B23-3013-14 | Indicator board | |
| - | B30-0075-05 | Pilot lamp (8V 300 mA) x 4 | |
| - | B30-0077-05 | Pilot lamp (8V 50 mA) x 5 | |
| - | B31-0198-05 | T meter | |
| - | B31-0199-05 | S meter | |
| - | B42-0009-04 | Passed sticker | |
| - | B52-0174-00 | Schematic diagram | |
| - | D01-0021-05 | Flywheel | |
| - | D15-0067-34 | Pulley | |
| - | D15-0073-14 | Pulley (middle) x 2 | |
| - | D15-0075-04 | Pulley (small) x 3 | |
| - | D20-0106-03 | Dial shaft assembly | |
| - | E04-0115-05 | M-type receptacle | |
| - | E05-0117-05 | TM plug | |
| - | E11-0054-05 | Phone jack (PHONES) | |
| - | E13-0104-05 | Pin jack (1P) | |

| Ref. No. | Parts No. | Description | Re- marks |
|----------|-------------|--------------------------|--------------|
| - | E13-0205-05 | Pin jack (2P) | |
| - | E13-0404-05 | Pin jack (4P) | |
| - | E20-0514-05 | Terminal strips | |
| - | E30-0050-05 | Audio cable x 2 | |
| - | F07-0353-03 | Dial cover | |
| - | F07-0355-03 | IF unit cover | |
| - | F07-0356-03 | MPX PREAMP unit cover | |
| - | F19-0175-03 | Wooden side board (L) | |
| - | F19-0176-03 | Wooden side board (R) | |
| - | G01-0044-14 | Dial spring | |
| - | H25-0048-03 | Polyethylene bag | |
| - | H25-0078-00 | Instruction bag | |
| - | H25-0148-04 | Warranty bag | |
| - | J02-0049-14 | Leg x 4 | |
| - | J19-0258-04 | Lead wire holder | |
| - | J19-0428-13 | Front glass holder (A) | |
| - | J19-0429-13 | Front glass holder (B) | |
| - | J21-0480-13 | Antenna holder | |
| - | J21-1292-04 | Transformer holder | |
| - | J21-1293-04 | Pulley holder | |
| - | J25-1133-03 | PC board (lamp assembly) | |
| - | K22-0043-04 | Knob (LEVEL, MUTING) x 2 | |
| - | K23-0183-03 | Knob (TUNING) | |
| - | K29-0204-04 | Knob (POWER) | |
| - | K29-0205-04 | Knob (SELECTOR) x 7 | |
| - | L19-0009-05 | Balun transformer | |
| L1, 2 | L33-0025-05 | Choke coil (1 μ H) | |
| - | T90-0002-05 | FM indoor antenna | |
| - | T90-0031-05 | Ferrite antenna | |
| - | X01-1190-10 | RF unit | |
| - | X02-1040-10 | IF unit | |
| - | X13-1900-10 | HEADPHONE AMP unit | |
| - | X13-1910-11 | D METER unit | |

POWER SUPPLY (X00-1560-10, 01, 61)

| Ref. No. | Parts No. | Description | Re- marks |
|------------------|----------------|-----------------------------------|--------------|
| CAPACITOR | | | |
| Ck1, 2 | CK45E2H103P | Ceramic 0.01 μ F +100%, -0% | |
| Ck3 | CE02W1E332 | Electrolytic 3300 μ F 25WV | |
| Ck4 | CE04W1E471 | Electrolytic 470 μ F 25WV | |
| Ck5 | CE04W1C471 | Electrolytic 470 μ F 16WV | |
| Ck6 | CE04W1E010 | Electrolytic 1 μ F 25WV | |
| Ck7 | CE04W1E471 | Electrolytic 470 μ F 25WV | |
| Ck8 | CE04W1E221 | Electrolytic 220 μ F 25WV | |
| Ck9 | CE04W1C101 | Electrolytic 100 μ F 16WV | |
| RESISTOR | | | |
| Rk1 | PD14BY2E271J-B | Carbon 270 Ω \pm 5% 1/4W | |
| Rk2 | PD14BY2E101J | Carbon 100 Ω \pm 5% 1/4W | |
| Rk3 | PD14BY2E181J-B | Carbon 180 Ω \pm 5% 1/4W | |
| Rk4 | PD14BY2E680J | Carbon 68 Ω \pm 5% 1/4W | |

PARTS LIST

| Ref. No. | Parts No. | Description | Re- marks |
|----------------------|----------------|-------------------------|--------------|
| Rk5 | PD14BY2E682J | Carbon 6.8kΩ ±5% 1/4W | |
| Rk6 | RN14AB3D330K-B | Metal film 33Ω ±10% 2W | |
| Rk7 | RN14AB3D121K-B | Metal film 120Ω ±10% 2W | |
| Rk8 | PD14BY2E564J | Carbon 560Ω ±5% 1/4W | |
| SEMICONDUCTOR | | | |
| Qk1 | | 2SC1419 (B), (C) | |
| Dk1~5 | | V03C | |
| Dk6 | | 1S1555 | |
| Dk7, 8 | | YZ-140 | |
| MISCELLANEOUS | | | |
| — | F01-0197-04 | Heat sink | |
| Fk1 | F05-2021-05 | Fuse (2A) | -10 |
| | F05-2023-05 | Fuse (2A) | -01 |
| | F05-2029-05 | Fuse (2A) | -61 |
| Fk2, 3 | F05-5011-05 | Fuse (0.5A) | -10 |
| | F05-5013-05 | Fuse (0.5A) | -01 |
| | F05-5015-05 | Fuse (0.5A) | -61 |
| — | J13-0039-05 | Fuse holder x 6 | -61 |
| — | J13-0041-05 | Fuse holder x 6 | -10, -01 |

RF (X01-1190-10)

| Ref. No. | Parts No. | Description | Re- marks |
|------------------|--------------|---------------------------|--------------|
| CAPACITOR | | | |
| Ca1 | CC45SH1H150J | Ceramic 15pF ±5% | |
| Ca2, 3 | CK45F1H103Z | Ceramic 0.01μF +80%, -20% | |
| Ca4 | CC45SL1H100J | Ceramic 10pF ±5% | |
| Ca5 | CC45SH1H150J | Ceramic 15pF ±5% | |
| Ca6 | CC45SH1H180J | Ceramic 18pF ±5% | |
| Ca7~9 | CK45F1H103Z | Ceramic 0.01μF +80%, -20% | |
| Ca10 | CC45SL1H100J | Ceramic 10pF ±5% | |
| Ca11 | CC45SH1H150J | Ceramic 15pF ±5% | |
| Ca12 | CC45PG1H220J | Ceramic 22pF ±5% | |
| Ca13 | CC45TH1H100J | Ceramic 10pF ±5% | |
| Ca14 | CC45TH1H390J | Ceramic 39pF ±5% | |
| Ca15,16 | CC45RG1H100J | Ceramic 10pF ±5% | |
| Ca17 | CK45F1H103Z | Ceramic 0.01μF +80%, -20% | |
| Ca18 | CC45SH1H220J | Ceramic 22pF ±5% | |
| Ca19 | CC45SL1H221K | Ceramic 220pF ±10% | |
| Ca20 | CK45F1H103Z | Ceramic 0.01μF +80%, -20% | |
| Ca21 | CQ93M1H103K | Mylar 0.01μF ±10% | |
| RESISTOR | | | |
| Ra1 | PD14BY2B681J | Carbon 680Ω ±5% 1/8W | |
| Ra2 | PD14BY2B103J | Carbon 10kΩ ±5% 1/8W | |
| Ra3 | PD14BY2B102J | Carbon 1kΩ ±5% 1/8W | |
| Ra4, 5 | PD14BY2B103J | Carbon 10kΩ ±5% 1/8W | |
| Ra6 | PD14BY2B102J | Carbon 1kΩ ±5% 1/8W | |
| Ra7 | PD14BY2B221J | Carbon 220Ω ±5% 1/8W | |
| Ra9 | PD14BY2B104J | Carbon 100kΩ ±5% 1/8W | |
| Ra10 | PD14BY2B221J | Carbon 220Ω ±5% 1/8W | |
| Ra11 | PD14BY2B103J | Carbon 10kΩ ±5% 1/8W | |
| Ra12 | PD14BY2B123J | Carbon 12kΩ ±5% 1/8W | |
| Ra13 | PD14BY2B221J | Carbon 220Ω ±5% 1/8W | |
| Ra14 | PD14BY2B102J | Carbon 1kΩ ±5% 1/8W | |
| Ra15 | PD14BY2B101J | Carbon 100Ω ±5% 1/8W | |

| Ref. No. | Parts No. | Description | Re- marks |
|----------------------|--------------|---------------------------------|--------------|
| Ra16 | PD14BY2B331J | Carbon 330Ω ±5% 1/8W | |
| Ra17 | PD14BY2B104J | Carbon 100kΩ ±5% 1/8W | |
| SEMICONDUCTOR | | | |
| Qa1 | | 3SK45 (B), (C) | |
| Qa2, 3 | | 3SK41 (L), (M) or 3SK45 (B),(C) | |
| Qa4 | | 2SC785 (R) | |
| Qa5 | | 2SK19 (GR), (BL) | |
| THa1 | | SDT-65 | |
| COIL/IFT | | | |
| La1 | L34-0301-04 | FM ANT coil | |
| La2 | L33-0025-05 | Choke coil | |
| La3 | L34-0418-05 | RF 1 coil | |
| La4 | L34-0419-05 | RF 2 coil | |
| La5 | L33-0025-05 | Choke coil | |
| La6 | L34-0420-05 | RF 3 coil | |
| La7 | L30-0253-05 | FM IFT | |
| La8 | L34-0424-05 | OSC coil | |
| La9 | L33-0026-05 | Choke coil | |
| La10 | L40-1092-03 | Choke coil | |
| MISCELLANEOUS | | | |
| — | A10-0344-23 | Front end chassis | |
| — | A40-0104-04 | Front end bottom plate | |
| — | C01-0174-05 | Variable capacitor | |
| CTa1~4 | C05-0010-15 | Ceramic trimmer (10P) | |
| CTa5 | C05-0009-15 | Ceramic trimmer (6P) | |
| — | E29-0041-04 | Lead plate | |
| — | F07-0285-23 | Front end cover | |
| — | F10-0354-04 | Front end shielded plate | |

IF (X02-1040-10)

| Ref. No. | Parts No. | Description | Re- marks |
|------------------|--------------|----------------------------|--------------|
| CAPACITOR | | | |
| Cb1~10 | CK45F1H103Z | Ceramic 0.01μF +80%, -20% | |
| Cb11 | CC45SL1H220K | Ceramic 22pF ±10% | |
| Cb12 | CK45F1H103Z | Ceramic 0.01μF +80%, -20% | |
| Cb13,14 | CQ93M1H223K | Mylar 0.022μF ±10% | |
| Cb15 | CK45F1H103Z | Ceramic 0.01μF +80%, -20% | |
| Cb16 | CK45F1H473Z | Ceramic 0.047μF +80%, -20% | |
| Cb17~19 | CK45F1H103Z | Ceramic 0.01μF +80%, -20% | |
| Cb20 | CQ93M1H223K | Mylar 0.022μF ±10% | |
| Cb21 | CC45SL1H101K | Ceramic 100pF ±10% | |
| Cb22,23 | CC45SL1H221K | Ceramic 220pF ±10% | |
| Cb24 | CE04W1E100 | Electrolytic 10μF 25WV | |
| Cb25~29 | CK45F1H103Z | Ceramic 0.01μF +80%, -20% | |
| Cb30 | CC45SL1H221K | Ceramic 220pF ±10% | |
| Cb31~33 | CK45F1H103Z | Ceramic 0.01μF +80%, -20% | |
| Cb34 | CQ93M1H223K | Mylar 0.022μF ±10% | |
| Cb35~38 | CK45F1H103Z | Ceramic 0.01μF +80%, -20% | |
| Cb39 | CC45SL1H470K | Ceramic 47pF ±10% | |
| Cb40 | CK45F1H103Z | Ceramic 0.01μF +80%, -20% | |
| Cb41 | CC45SL1H220K | Ceramic 22pF ±10% | |
| Cb42 | CK45F1H103Z | Ceramic 0.01μF +80%, -20% | |

PARTS LIST

| Ref. No. | Parts No. | Description | Re- marks | Ref. No. | Parts No. | Description | Re- marks |
|-----------------|----------------|----------------------------|--------------|----------|--------------|-----------------------|--------------|
| Cb43 | CS04E1ER22M | Tantalum 0.22μF 25WV | | Rb27,28 | PD14BY2B682J | Carbon 6.8kΩ ±5% 1/8W | |
| Cb44 | CK45F1H223Z | Ceramic 0.022μF +80%, -20% | | Rb29 | PD14BY2B222J | Carbon 2.2kΩ ±5% 1/8W | |
| Cb45 | CC45SL1H100D | Ceramic 10pF ±0.5pF | | Rb30 | PD14BY2B331J | Carbon 330Ω ±5% 1/8W | |
| Cb46 | CK45F1H223Z | Ceramic 0.022μF +80%, -20% | | Rb31 | PD14BY2B562J | Carbon 5.6kΩ ±5% 1/8W | |
| Cb47,48 | CC45SL1H470K | Ceramic 47pF ±10% | | Rb32 | PD14BY2B103J | Carbon 10kΩ ±5% 1/8W | |
| Cb50 | CE04W1H010 | Electrolytic 1μF 50WV | | Rb33 | PD14CY2E394J | Carbon 390kΩ ±5% 1/4W | |
| Cb51 | CQ93M1H562K | Mylar 0.0056μF ±10% | | Rb34 | PD14BY2B331J | Carbon 330Ω ±5% 1/8W | |
| Cb52 | CQ09S1H472J | Polystyrene 4700pF ±5% | | Rb35 | PD14BY2B562J | Carbon 5.6kΩ ±5% 1/8W | |
| Cb53,54 | CE04W1H010 | Electrolytic 1μF 50WV | | Rb36 | PD14BY2B223J | Carbon 22kΩ ±5% 1/8W | |
| Cb55 | CQ09S1H472J | Polystyrene 4700pF ±5% | | Rb37 | PD14BY2B681J | Carbon 680Ω ±5% 1/8W | |
| Cb56~58 | CE04W1H010 | Electrolytic 1μF 50WV | | Rb38 | PD14BY2B682J | Carbon 6.8kΩ ±5% 1/8W | |
| Cb59 | CQ93M1H223K | Mylar 0.022μF ±10% | | Rb39 | PD14BY2B221J | Carbon 220Ω ±5% 1/8W | |
| Cb60 | CK45F1H473Z | Ceramic 0.047μF +80%, -20% | | Rb40 | PD14BY2B472J | Carbon 4.7kΩ ±5% 1/8W | |
| Cb61 | CQ93M1H223K | Mylar 0.022μF ±10% | | Rb41 | PD14BY2B102J | Carbon 1kΩ ±5% 1/8W | |
| Cb62,63 | CK45F1H473Z | Ceramic 0.047μF +80%, -20% | | Rb42 | PD14BY2B103J | Carbon 10kΩ ±5% 1/8W | |
| Cb64 | CE04W1E100 | Electrolytic 10μF 25WV | | Rb43 | PD14BY2B390J | Carbon 39Ω ±5% 1/8W | |
| Cb65 | CK45F1H223Z | Ceramic 0.022μF +80%, -20% | | Rb44 | PD14BY2B102J | Carbon 1kΩ ±5% 1/8W | |
| Cb66 | CQ93M1H223K | Mylar 0.022μF ±10% | | Rb45 | PD14BY2B331J | Carbon 330Ω ±5% 1/8W | |
| Cb67 | CC45SL1H680K | Ceramic 68pF ±10% | | Rb46 | PD14BY2B152J | Carbon 1.5kΩ ±5% 1/8W | |
| Cb68 | CE04W1H010 | Electrolytic 1μF 50WV | | Rb47 | PD14BY2B332J | Carbon 3.3kΩ ±5% 1/8W | |
| Cb69 | CK45F1H223Z | Ceramic 0.022μF +80%, -20% | | Rb48~50 | PD14BY2B103J | Carbon 10kΩ ±5% 1/8W | |
| Cb70 | CE04W1E100 | Electrolytic 10μF 25WV | | Rb51 | PD14BY2B393J | Carbon 39kΩ ±5% 1/8W | |
| Cb71,72 | CK45F1H223Z | Ceramic 0.022μF +80%, -20% | | Rb52 | PD14BY2B224J | Carbon 220kΩ ±5% 1/8W | |
| Cb73 | CQ93M1H223K | Mylar 0.022μF ±10% | | Rb53 | PD14BY2B102J | Carbon 1kΩ ±5% 1/8W | |
| Cb74 | CC45SL1H331K | Ceramic 330pF ±10% | | Rb54 | PD14BY2B393J | Carbon 39kΩ ±5% 1/8W | |
| Cb75 | CM93D1H102J(Z) | Mica 1000pF ±5% | | Rb55 | PD14BY2B224J | Carbon 220kΩ ±5% 1/8W | |
| Cb76 | CK45F1H223Z | Ceramic 0.022μF +80%, -20% | | Rb56 | PD14BY2B102J | Carbon 1kΩ ±5% 1/8W | |
| Cb77 | CQ93M1H472K | Mylar 4700pF ±10% | | Rb57 | PD14BY2B393J | Carbon 39kΩ ±5% 1/8W | |
| Cb78 | CQ93M1H103K | Mylar 0.01μF ±10% | | Rb58 | PD14BY2B224J | Carbon 220kΩ ±5% 1/8W | |
| Cb79 | CQ93M1H223K | Mylar 0.022μF ±10% | | Rb59 | PD14BY2B102J | Carbon 1kΩ ±5% 1/8W | |
| Cb80 | CS04E1ER47M | Tantalum 0.47μF 25WV | | Rb60 | PD14BY2B392J | Carbon 3.9kΩ ±5% 1/8W | |
| Cb81 | CE04W1E100 | Electrolytic 10μF 25WV | | Rb61 | PD14BY2B224J | Carbon 220kΩ ±5% 1/8W | |
| Cb82 | CQ93M1H223K | Mylar 0.022μF ±10% | | Rb62 | PD14BY2B103J | Carbon 10kΩ ±5% 1/8W | |
| Cb83 | CC45SL1H180K | Ceramic 18pF ±10% | | Rb63 | PD14BY2B472J | Carbon 4.7kΩ ±5% 1/8W | |
| Cb84 | CQ09S1H391J | Polystyrene 390pF ±5% | | Rb64 | PD14BY2B102J | Carbon 1kΩ ±5% 1/8W | |
| Cb85 | CQ93M1H223K | Mylar 0.022μF ±10% | | Rb65 | PD14BY2B473J | Carbon 4.7kΩ ±5% 1/8W | |
| Cb86 | CK45F1H223Z | Ceramic 0.022μF +80%, -20% | | Rb66 | PD14BY2B562J | Carbon 5.6kΩ ±5% 1/8W | |
| Cb87 | CE04W1E100 | Electrolytic 10μF 25WV | | Rb67 | PD14BY2B563J | Carbon 56kΩ ±5% 1/8W | |
| RESISTOR | | | | | | | |
| Rb1 | PD14BY2B331J | Carbon 330Ω ±5% 1/8W | | Rb68 | PD14BY2B102J | Carbon 1kΩ ±5% 1/8W | |
| Rb3 | PD14BY2B153J | Carbon 15kΩ ±5% 1/8W | | Rb69 | PD14BY2B100J | Carbon 10Ω ±5% 1/8W | |
| Rb4 | PD14BY2B471J | Carbon 470Ω ±5% 1/8W | | Rb70,71 | PD14BY2B102J | Carbon 1kΩ ±5% 1/8W | |
| Rb5 | PD14BY2B102J | Carbon 1kΩ ±5% 1/8W | | Rb72 | PD14BY2B823J | Carbon 82kΩ ±5% 1/8W | |
| Rb6 | PD14BY2B331J | Carbon 330Ω ±5% 1/8W | | Rb73,74 | PD14BY2B332J | Carbon 3.3kΩ ±5% 1/8W | |
| Rb8 | PD14BY2B331J | Carbon 330Ω ±5% 1/8W | | Rb75 | PD14BY2B102J | Carbon 1kΩ ±5% 1/8W | |
| Rb9 | PD14BY2B562J | Carbon 5.6kΩ ±5% 1/8W | | Rb76 | PD14BY2B101J | Carbon 100Ω ±5% 1/8W | |
| Rb10 | PD14BY2B153J | Carbon 15kΩ ±5% 1/8W | | Rb77 | PD14BY2B562J | Carbon 5.6kΩ ±5% 1/8W | |
| Rb11 | PD14BY2B471J | Carbon 470Ω ±5% 1/8W | | Rb78 | PD14BY2B273J | Carbon 27kΩ ±5% 1/8W | |
| Rb12 | PD14BY2B102J | Carbon 1kΩ ±5% 1/8W | | Rb79 | PD14BY2B102J | Carbon 1kΩ ±5% 1/8W | |
| Rb13 | PD14BY2B820J | Carbon 82Ω ±5% 1/8W | | Rb80 | PD14BY2B822J | Carbon 8.2kΩ ±5% 1/8W | |
| Rb14 | PD14BY2B102J | Carbon 1kΩ ±5% 1/8W | | Rb81 | PD14BY2B333J | Carbon 33kΩ ±5% 1/8W | |
| Rb16 | PD14CY2E681J | Carbon 680Ω ±5% 1/4W | | Rb82 | PD14BY2B331J | Carbon 330Ω ±5% 1/8W | |
| Rb17 | PD14BY2B221J | Carbon 220Ω ±5% 1/8W | | Rb83 | PD14BY2B101J | Carbon 100Ω ±5% 1/8W | |
| Rb18 | PD14BY2B822J | Carbon 8.2kΩ ±5% 1/8W | | Rb84 | PD14BY2B822J | Carbon 8.2kΩ ±5% 1/8W | |
| Rb19 | PD14BY2B101J | Carbon 100Ω ±5% 1/8W | | Rb85 | PD14BY2B101J | Carbon 100Ω ±5% 1/8W | |
| Rb20 | PD14CY2E102J | Carbon 1kΩ ±5% 1/4W | | Rb86 | PD14BY2B562J | Carbon 5.6kΩ ±5% 1/8W | |
| Rb21 | PD14BY2B221J | Carbon 220Ω ±5% 1/8W | | Rb87 | PD14BY2B331J | Carbon 330Ω ±5% 1/8W | |
| Rb22 | PD14BY2B682J | Carbon 6.8kΩ ±5% 1/8W | | Rb88 | PD14BY2B562J | Carbon 5.6kΩ ±5% 1/8W | |
| Rb23,24 | PD14BY2B222J | Carbon 2.2kΩ ±5% 1/8W | | Rb89 | PD14BY2B153J | Carbon 15kΩ ±5% 1/8W | |
| Rb25 | PD14BY2B471J | Carbon 470Ω ±5% 1/8W | | Rb90 | PD14BY2B563J | Carbon 56kΩ ±5% 1/8W | |
| Rb26 | PD14BY2B104J | Carbon 100kΩ ±5% 1/8W | | Rb91 | PD14BY2B221J | Carbon 220Ω ±5% 1/8W | |
| | | | | Rb92 | PD14BY2B331J | Carbon 330Ω ±5% 1/8W | |
| | | | | Rb93 | PD14BY2B102J | Carbon 1kΩ ±5% 1/8W | |
| | | | | Rb94 | PD14BY2B333J | Carbon 33kΩ ±5% 1/8W | |

PARTS LIST

| Ref. No. | Parts No. | Description | Re- marks |
|------------------------|-------------|--------------------------|--------------|
| SEMICONDUCTOR | | | |
| Qb1,2 | | 2SC381 (O) | |
| Qb3, 4 | | NJM703W | |
| Qb5, 6 | | 2SC381 (R) | |
| Qb7~9 | | 2SC381 (O) | |
| Qb10~12 | | 2SC828A (R) | |
| Qb13~15 | | 2SC941 (O) | |
| Qb16 | | 2SC381 (O) | |
| Qb17 | | 2SC941 (O) | |
| Db1~5 | | 1N60 | |
| Db6 | | M8513A-O | |
| Db7~13 | | 1N60 | |
| Db14~16 | | M8513A-O | |
| Db17~20 | | 1N60 | |
| THb1 | | 5T32 | |
| COIL/FILTER/IFT | | | |
| Lb1, 2 | L40-1092-03 | Ferri inductor (1R0M) | |
| Lb3 | L40-1011-03 | Ferri inductor (101K) | |
| Lb4 | L40-1092-03 | Ferri inductor (1R0M) | |
| Lb5 | L30-0205-05 | FM IFT | |
| Lb6 | L40-1011-43 | Ferri inductor (101K) | |
| Lb7 | L30-0207-15 | Discriminator coil | |
| Lb8 | L40-1011-43 | Ferri inductor (101K) | |
| Lb9 | L40-3311-03 | Ferri inductor (331K) | |
| Lb11 | L30-0206-15 | Trigger coil | |
| Lb12,13 | L31-0285-05 | 38kHz coil | |
| Lb14 | L40-1025-03 | Ferri inductor (102J) | |
| Lb15 | L31-0111-05 | AM RF coil | |
| Lb16 | L30-0052-05 | AM IFT | |
| Lb17 | L30-0082-05 | AM OSC coil | |
| Lb18 | L30-0256-05 | Meter coil | |
| CFb1,2 | L72-0020-05 | Ceramic filter (FM) | |
| CFb3 | L72-0021-05 | Ceramic filter (AM) | |
| CFb4 | L72-0022-05 | Ceramic filter (AM) | |
| POTENTIOMETER | | | |
| VRb1 | R12-2016-05 | PC trimmer 5k Ω | |
| VRb2 | R12-3028-05 | PC trimmer 20k Ω | |
| VRb3 | R12-2016-05 | PC trimmer 5k Ω | |
| VRb4 | R12-5014-05 | PC trimmer 100k Ω | |
| VRb5 | R12-5013-05 | PC trimmer 100k Ω | |
| VRb6 | R12-2016-05 | PC trimmer 5k Ω | |

MPX PREAMP (X04-1070-10,01)

| Ref. No. | Parts No. | Description | Re- marks |
|------------------|---------------|-------------------------------|--------------|
| CAPACITOR | | | |
| Cc1 | CE04W1E100 | Electrolytic 10 μ F 25WV | |
| Cc2 | CE04W1H010 | Electrolytic 1 μ F 50WV | |
| Cc3 | CQ93M1H473M | Mylar 0.047 μ F \pm 20% | |
| Cc4 | CQ93M1H103M | Mylar 0.01 μ F \pm 20% | |
| Cc5 | CQ08S1H471J | Polystyrene 470pF \pm 5% | |
| Cc6 | CC45SL1H331K | Ceramic 330pF \pm 10% | |
| Cc7 | CS15E1VR47M | Tantalum 0.47 μ F 35WV | |
| Cc8 | CS15E1VR33M | Tantalum 0.33 μ F 35WV | |
| Cc9 | CS15E1VR10M | Tantalum 0.1 μ F 35WV | |
| Cc10 | CE04W1C221 | Electrolytic 220 μ F 16WV | |
| Cc11 | CE04W1E4R7-BR | Electrolytic 4.7 μ F 25WV | |

| Ref. No. | Parts No. | Description | Re- marks |
|-----------------|---------------|------------------------------------|--------------|
| Cc12 | CE04W1C470-BR | Electrolytic 47 μ F 16WV | |
| Cc13~16 | CE04W1E100-BR | Electrolytic 10 μ F 25WV | |
| Cc17,18 | CE04W1H010-BR | Electrolytic 1 μ F 50WV | |
| Cc19,20 | CQ93M1H822J | Mylar 0.0082 μ F \pm 5% | -10 |
| | CQ93M1H562J | Mylar 0.0056 μ F \pm 5% | -01 |
| Cc21~24 | CQ93M1H224K | Mylar 0.22 μ F \pm 10% | |
| Cc25,26 | CC45SL1H101K | Ceramic 100pF \pm 10% | |
| Cc27,28 | CC45SL1H221K | Ceramic 220pF \pm 10% | |
| Cc29,30 | CS15E1V1R5M | Tantalum 1.5 μ F 35WV | |
| Cc31~38 | CE04W1H010 | Electrolytic 1 μ F 50WV | |
| Cc39 | CQ93M1H332M | Mylar 0.0033 μ F \pm 20% | |
| Cc40 | CE04W1E100 | Electrolytic 10 μ F 25WV | |
| RESISTOR | | | |
| Rc1 | PD14BY2E823J | Carbon 82k Ω \pm 5% 1/4W | |
| Rc2 | PD14BY2E274J | Carbon 270k Ω \pm 5% 1/4W | |
| Rc3 | PD14BY2E102J | Carbon 1k Ω \pm 5% 1/4W | |
| Rc4 | PD14BY2E222J | Carbon 2.2k Ω \pm 5% 1/4W | |
| Rc5 | PD14BY2E102J | Carbon 1k Ω \pm 5% 1/4W | |
| Rc6 | PD14BY2E222J | Carbon 2.2k Ω \pm 5% 1/4W | |
| Rc7 | PD14BY2E474J | Carbon 470k Ω \pm 5% 1/4W | |
| Rc8 | PD14BY2E471J | Carbon 470 Ω \pm 5% 1/4W | |
| Rc9 | PD14BY2E103J | Carbon 10k Ω \pm 5% 1/4W | |
| Rc10 | PD14BY2E824J | Carbon 820k Ω \pm 5% 1/4W | |
| Rc12 | PD14BY2E273J | Carbon 27k Ω \pm 5% 1/4W | |
| Rc13 | PD14BY2E163J | Carbon 16k Ω \pm 5% 1/4W | |
| | PD14BY2E183J | Carbon 18k Ω \pm 5% 1/4W | |
| Rc14 | PD14BY2E102J | Carbon 1k Ω \pm 5% 1/4W | |
| Rc15,16 | PD14BY2E103J | Carbon 10k Ω \pm 5% 1/4W | |
| Rc17,18 | PD14BY2E822J | Carbon 8.2k Ω \pm 5% 1/4W | |
| Rc19,20 | PD14BY2E472J | Carbon 4.7k Ω \pm 5% 1/4W | |
| Rc22,23 | PD14BY2E103J | Carbon 10k Ω \pm 5% 1/4W | |
| Rc24~27 | PD14BY2E153J | Carbon 15k Ω \pm 5% 1/4W | |
| Rc28,29 | PD14BY2E103J | Carbon 10k Ω \pm 5% 1/4W | |
| Rc30~37 | PD14BY2E472J | Carbon 4.7k Ω \pm 5% 1/4W | |
| Rc38,39 | PD14BY2E184J | Carbon 180k Ω \pm 5% 1/4W | |
| Rc40,41 | PD14BY2E224J | Carbon 220k Ω \pm 5% 1/4W | |
| Rc42,43 | PD14BY2E184J | Carbon 180k Ω \pm 5% 1/4W | |
| Rc44,45 | PD14BY2E682J | Carbon 6.8k Ω \pm 5% 1/4W | |
| Rc46,47 | PD14BY2E184J | Carbon 180k Ω \pm 5% 1/4W | |
| Rc48,49 | PD14BY2E222J | Carbon 2.2k Ω \pm 5% 1/4W | |
| Rc50,51 | PD14BY2E563J | Carbon 56k Ω \pm 5% 1/4W | |
| Rc52,53 | PD14BY2E153J | Carbon 15k Ω \pm 5% 1/4W | |
| Rc54,55 | PD14BY2E224J | Carbon 220k Ω \pm 5% 1/4W | |
| Rc56,57 | PD14BY2E222J | Carbon 2.2k Ω \pm 5% 1/4W | |
| Rc58,59 | PD14BY2E302J | Carbon 3k Ω \pm 5% 1/4W | |
| Rc60,61 | PD14BY2E472J | Carbon 4.7k Ω \pm 5% 1/4W | |
| Rc62,63 | PD14BY2E222J | Carbon 2.2k Ω \pm 5% 1/4W | |
| Rc64~67 | PD14BY2E224J | Carbon 220k Ω \pm 5% 1/4W | |
| Rc68~71 | PD14BY2E472J | Carbon 4.7k Ω \pm 5% 1/4W | |
| Rc72~75 | PD14BY2E184J | Carbon 180k Ω \pm 5% 1/4W | |
| Rc76 | PD14BY2E273J | Carbon 27k Ω \pm 5% 1/4W | |
| Rc77 | PD14BY2E103J | Carbon 10k Ω \pm 5% 1/4W | |
| Rc78 | PD14BY2E471J | Carbon 470 Ω \pm 5% 1/4W | |
| Rc79 | PD14BY2E823J | Carbon 82k Ω \pm 5% 1/4W | |
| Rc80 | PD14BY2E273J | Carbon 27k Ω \pm 5% 1/4W | |
| Rc81,82 | PD14BY2E103J | Carbon 10k Ω \pm 5% 1/4W | |
| Rc83 | PD14BY2E471J | Carbon 470 Ω \pm 5% 1/4W | |
| Rc84 | PD14BY2E823J | Carbon 82k Ω \pm 5% 1/4W | |
| Rc85 | PD14BY2E273J | Carbon 27k Ω \pm 5% 1/4W | |

Qc10:
HA-1156
Qc10:
SN-76115
N

PARTS LIST

D METER (X13-1910-11)

| Ref. No. | Parts No. | Description | Re- marks |
|----------------------|--------------|-----------------------|--------------|
| Rc86 | PD14BY2E823J | Carbon 82kΩ ±5% 1/4W | |
| Rc87 | PD14BY2E684J | Carbon 680kΩ ±5% 1/4W | |
| SEMICONDUCTOR | | | |
| Qc1 | | 2SA733 (Q) | |
| Qc2~9 | | 2SC1345 (C), (D) | |
| Qc10 | | HA1156 or SN76115N | |
| Qc11 | | μPC 33C | |
| Qc12~15 | | 2SC945 (Q), (R) | |
| Qc16 | | 2SC1345 (C), (D) | |
| Dc1~8 | | 1N60 | |
| Dc9~11 | | 1S2076 | |
| COIL/FILTER | | | |
| Lc1,2 | L79-0011-05 | Low pass filter | |
| Lc3 | L40-1021-45 | Choke coil | |
| POTENTIOMETER | | | |
| VRc1 | R12-0058-05 | PC trimmer 470Ω | |
| VRc2 | R12-2020-05 | PC trimmer 6.8kΩ | |
| VRc3 | R12-4019-05 | PC trimmer 50kΩ | |
| MISCELLANEOUS | | | |
| RL1 | S51-2024-05 | Reed relay | |

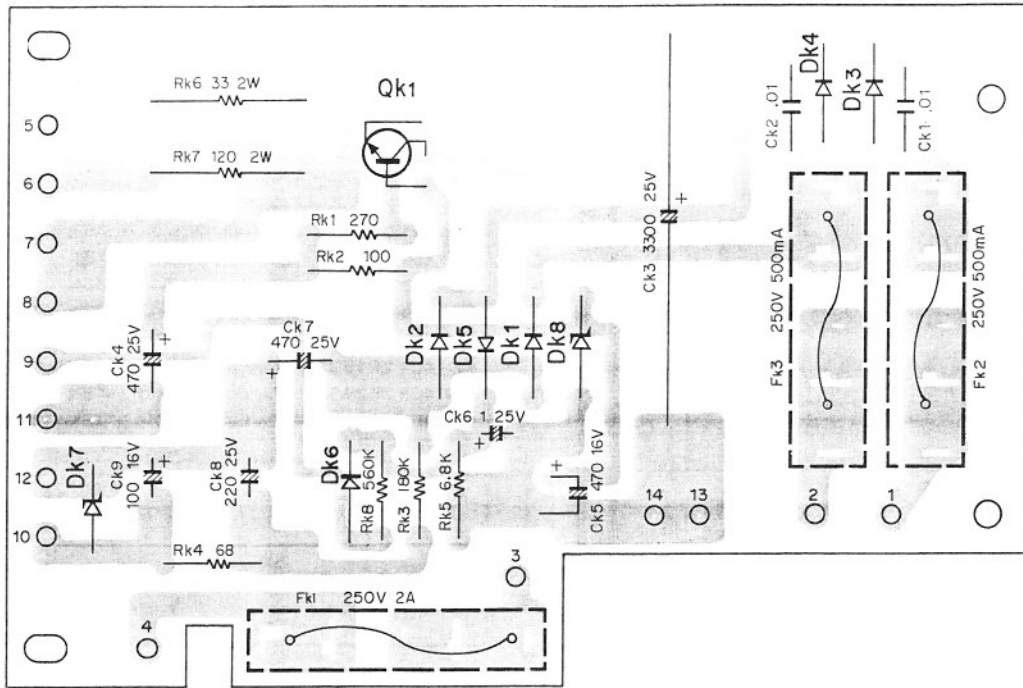
| Ref. No. | Parts No. | Description | Re- marks |
|----------------------|--------------|-------------------------------|--------------|
| CAPACITOR | | | |
| Cq1 | CQ93M1H154M | Mylar 0.15μF ±20% | |
| RESISTOR | | | |
| Rq1 | PD14BY2E273J | Carbon 27kΩ ±5% 1/4W | |
| Rq2 | PD14BY2E334J | Carbon 330kΩ ±5% 1/4W | |
| Rq3 | PD14BY2E102J | Carbon 1kΩ ±5% 1/4W | |
| Rq4 | PD14CY2E105J | Carbon 1MΩ ±5% 1/4W | |
| Rq5 | PD14BY2E223J | Carbon 22kΩ ±5% 1/4W | |
| Rq6 | PD14CY2E163J | Carbon 16kΩ ±5% 1/4W | |
| Rq7 | PD14CY2E304J | Carbon 300kΩ ±5% 1/4W | |
| Rq8 | PD14CY2E152J | Carbon 1.5kΩ ±5% 1/4W | |
| Rq9 | PD14CY2E243J | Carbon 24kΩ ±5% 1/4W | |
| Rq10 | PD14CY2E681J | Carbon 680Ω ±5% 1/4W | |
| SEMICONDUCTOR | | | |
| 1Cq1 | | RC4558T | |
| Dq1 | | 1S2076 | |
| SWITCH | | | |
| S2~5 | S40-3009-05 | Pushbutton (DEV, MPX, MUL) | |

HEADPHONE AMP (X13-1900-10)

| Ref. No. | Parts No. | Description | Re- marks |
|----------------------|----------------|-------------------------|--------------|
| CAPACITOR | | | |
| Ch1,2 | CE04W1H010 | Electrolytic 1μF 50WV | |
| Ch3,4 | CC45SL1H100D | Ceramic 10pF ±0.5pF | |
| Ch5,6 | CE04W1C221 | Electrolytic 220μF 16WV | |
| Ch7 | CE04W1C471 | Electrolytic 470μF 16WV | |
| RESISTOR | | | |
| Rh1,2 | PD14CY2E222J | Carbon 2.2kΩ ±5% 1/4W | |
| Rh3,4 | PD14CY2E683J | Carbon 68kΩ ±5% 1/4W | |
| Rh5,6 | PD14CY2E334J | Carbon 330kΩ ±5% 1/4W | |
| Rh7,8 | PD14CY2E100J | Carbon 10Ω ±5% 1/4W | |
| Rh9,10 | RN14AB3D101K-B | Metal film 100Ω ±10% 2W | |
| SEMICONDUCTOR | | | |
| Qh1,2 | | 2SC1345 (D), (E) | |
| Qh3,4 | | 2SC1384 (R) | |
| POTENTIOMETER | | | |
| VRh1 | R06-4020-05 | Volume 50kΩ (B) x 2 | |

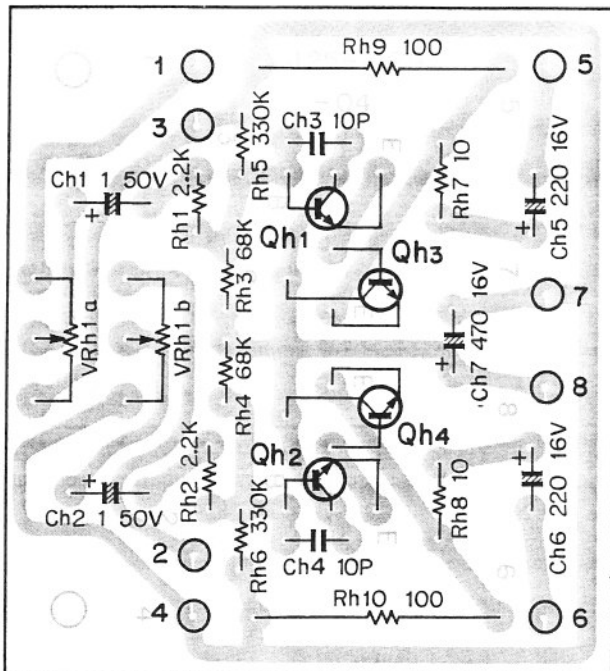
PC BOARD

▼ POWER SUPPLY (X00-1560-10)



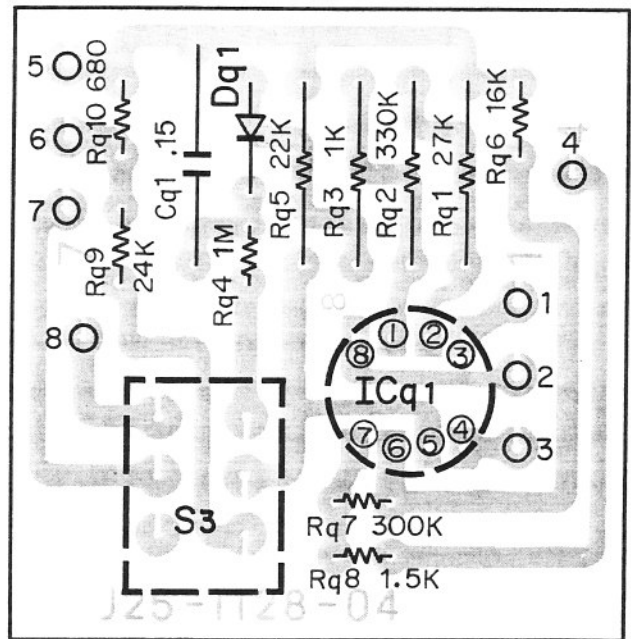
Qk1: 2SC1419(B) or (C) Dk1 ~ 5: V03C, Dk6: 1S1555 Dk7,8: YZ-140

▼ HEADPHONE AMP (X13-1900-10)



Qh1,2: 2SC1345(D) or (E), Qh3,4: 2SC1384R,

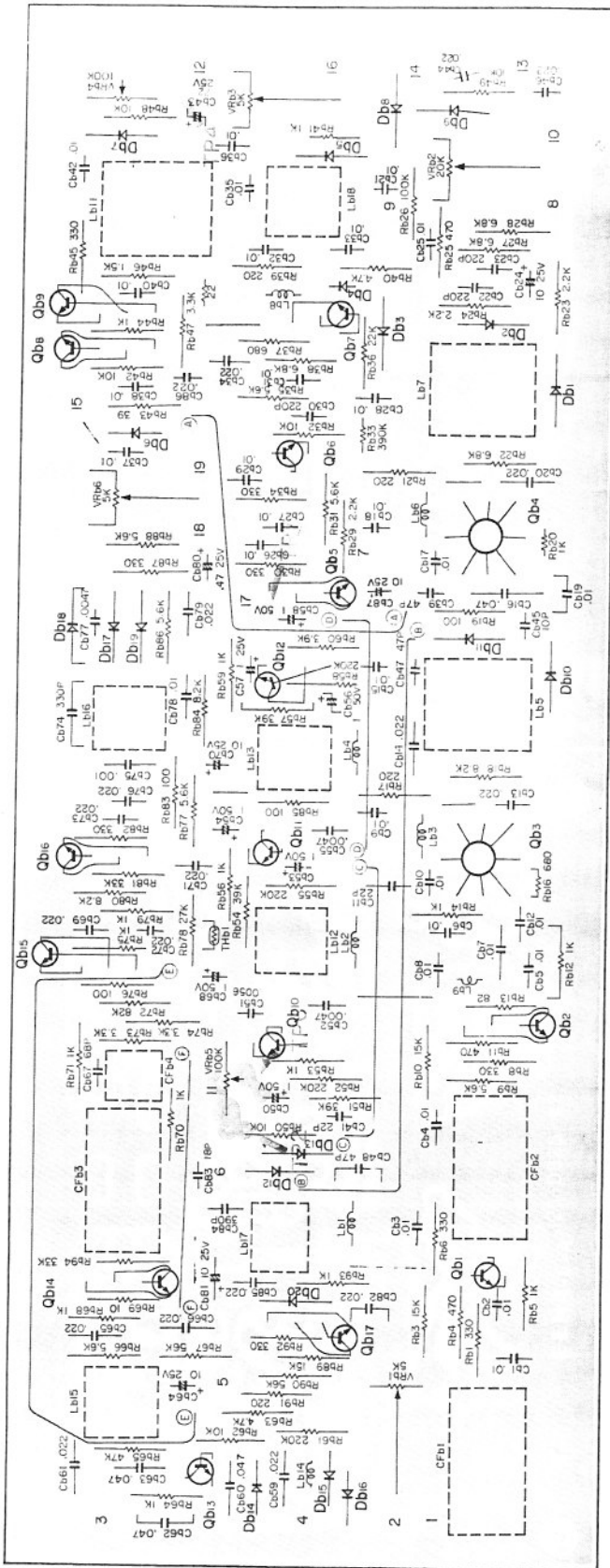
▼ D METER (X13-1910-11)



ICq1: RC4558T, Dq1: 1S2076

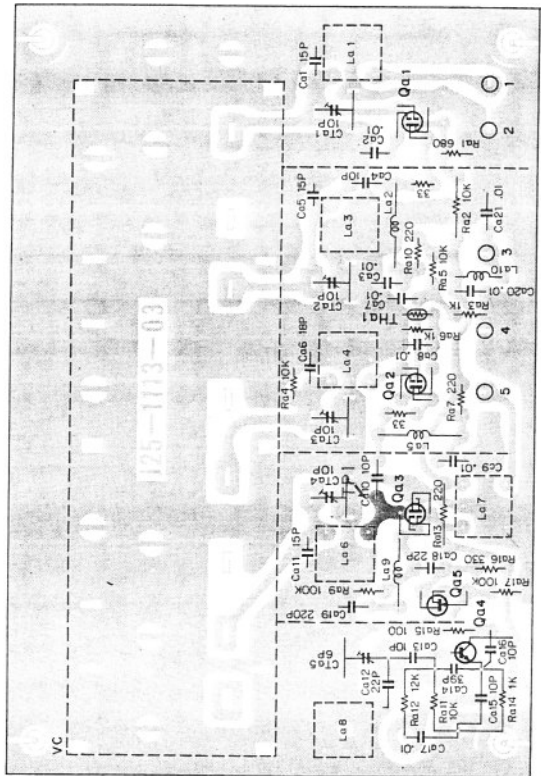
PC BOARD

▲ IF (X02-1040-10)

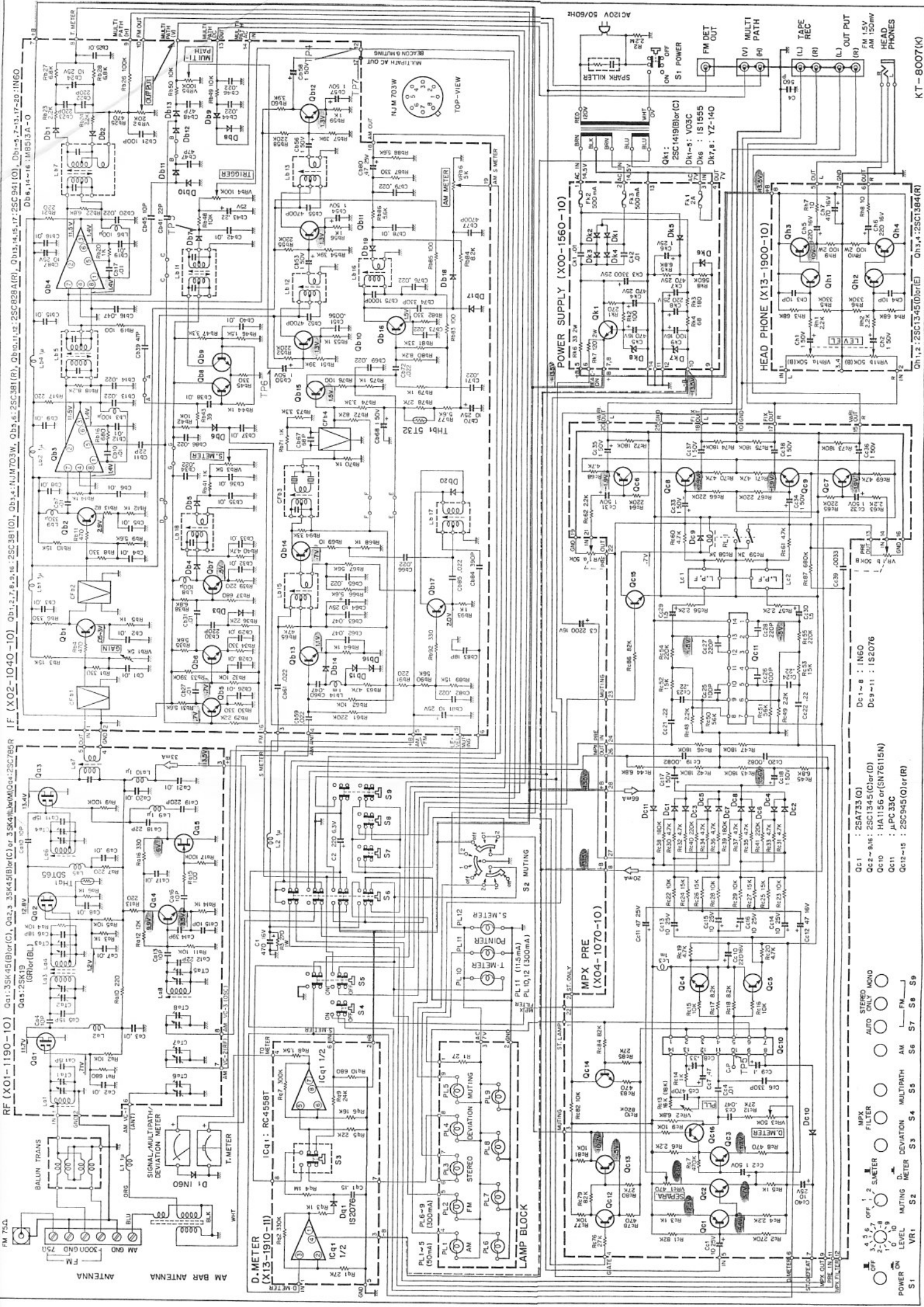


Qb1,2,7~9,16: 2SC381(O), Qb3,4: NJM703W, Qb5,6: 2SC381(R), Qb10~12: 2SC282A(R), Qb13~15,17: 2SC941(O),
Db1~5,7~13,17~20: 1N60, Db6,14~16: M8513A-0, THb1: 5T32

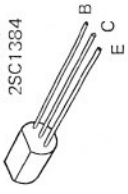
▼ RF (X01-1190-10)



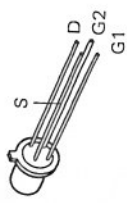
Qa1: 3SK45(B) or (C), Qa2,3: 3SK45(B) or (C) or 3SK41(L) or (M),
Qa4: 2SC785R, Qa5: 2SK19(GR) or (BL), THa1: SDT-65,



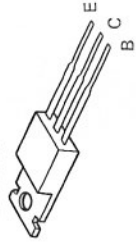
2SA733
2SC945
2SC828
2SC1384



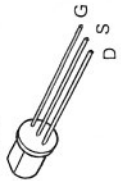
3SK41
3SK45



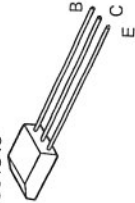
2SC1419



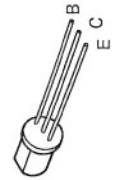
2SK19



2SC535
2SC458
2SC1345



2SC785R
2SC381
2SC941



KENWOOD ELECTRONICS, INC.

- 15777 SOUTH BROADWAY, GARDENA, CALIFORNIA 90248 U.S.A.
- 72-02 51ST AVENUE, WOODSIDE. N.Y. 11377 U.S.A.

TRIO-KENWOOD ELECTRONICS, N.V.

- HARENSESTEENWEG, 484. 1800 VILVOORDE, BELGIUM.

TRIO-KENWOOD ELECTRONICS, GmbH.

- 6056 HEUSENSTAMM, AM GOLDBERG 5, WEST GERMANY.

TRIO ELECTRONICS, INC.

- 3-6-17 AOBADAI, MEGURO-KU, TOKYO, JAPAN.