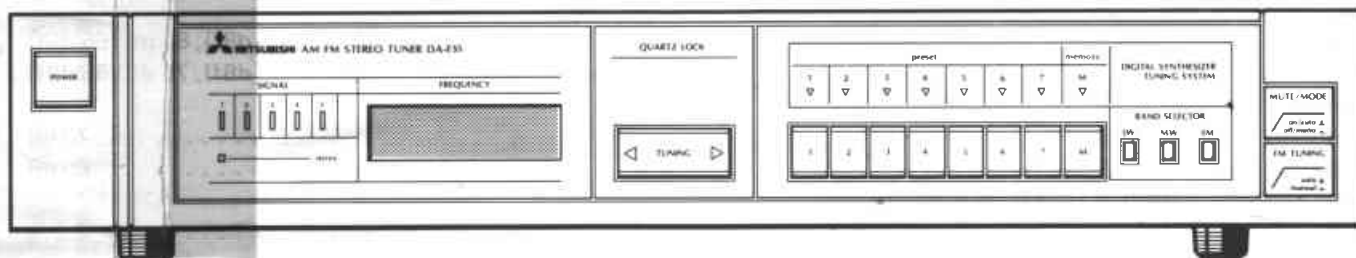


SERVICE MANUAL
AM/FM STEREO TUNER
MODEL DA-F55



CONTENTS

| | |
|---|----|
| SPECIFICATIONS | 2 |
| FRONT PANEL TERMINOLOGY AND FUNCTIONS | 3 |
| DISASSEMBLY INSTRUCTIONS | 4 |
| ADJUSTMENT PROCEDURE | 5 |
| INTERNAL DIAGRAMS AND PINOUT OF INTEGRATED CIRCUITS | 6 |
| WIRING DIAGRAM | 9 |
| SCHEMATIC DIAGRAM | 11 |
| PRINTED CIRCUIT BOARDS | 13 |
| EXPLODED VIEW | 15 |
| PARTS LIST | 16 |
| PACKING INSTRUCTIONS | 18 |

DOROTHEE

SPECIFICATIONS

FM section

| | |
|--|-----------------------------------|
| Tuning range | 87.5 MHz to 108 MHz (50 kHz step) |
| Usable sensitivity (IHF) | |
| 75 ohms | 0.9 μ V (10.8 dBf) |
| 300 ohms | 1.9 μ V (10.8 dBf) |
| 50 dB quieting sensitivity | |
| MONO | 3.6 μ V (16.4 dBf) |
| STEREO | 41 μ V (37.3 dBf) |
| Image response ratio | 45 dB |
| IF response ratio | 80 dB |
| Spurious response ratio | 70 dB |
| AM suppression ratio | 50 dB |
| Capture ratio (IHF) | 1.5 dB |
| Alternate channel selectivity (IHF), \pm 400 kHz | 60 dB |
| Selectivity (DIN, \pm 300 kHz) | 55 dB |
| Signal to noise ratio (IHF) | |
| MONO | 81 dB (85 dBf), 80 dB (65 dBf) |
| STEREO | 78 dB (85 dBf), 75 dB (65 dBf) |
| Signal to noise ratio (DIN, Weighted) | |
| MONO | 70 dB |
| STEREO | 65 dB |
| Total harmonic distortion (75 kHz deviation) | |
| MONO | 0.2 % |
| STEREO | 0.3 % |
| Stereo separation | |
| 1 kHz | 40 dB |
| 10 kHz | 35 dB |
| Frequency response | \pm 1 dB, 30 Hz to 15 kHz |
| Subcarrier product ratio (IHF) | 35 dB |

MW section

| | |
|---------------------------|-----------------------------------|
| Tuning range | 522 kHz to 1,611 kHz (9 kHz step) |
| Usable sensitivity (IHF) | 300 μ V/m |
| Sensitivity (S/N = 26 dB) | 600 μ V/m |
| Selectivity | 35 dB |
| Signal to noise ratio | 50 dB |
| Image response ratio | 30 dB |
| IF response ratio | 40 dB |
| Distortion | 0.8 % |

LW section

| | |
|---------------------------|---------------------------------|
| Tuning range | 155 kHz to 353 kHz (9 kHz step) |
| Sensitivity (S/N = 26 dB) | 1 mV/m |
| Signal to noise ratio | 40 dB |
| Image response ratio | 35 dB |

GENERAL

| | |
|------------------------|--|
| Power consumption | 10 W |
| Dimensions (W x H x D) | 424 x 76 x 273 mm (16-11/16 x 3 x 10-3/4") |
| Weight | 3.0 kg (6 lb 10 oz) |

Design and specification are subject to change without notice for improvement.

ADJUSTMENT PROCEDURE

1. FM FRONT END adjustment

- 1) Set trimmers TC11, TC12, TC13 to their center positions as shown in Fig. 3.



Fig. 3

- 2) Set the frequency reading to 87.5 MHz and adjust L13 so that the voltage across both ends of C312 is $8 \pm 1.0V$.
- 3) Set the frequency reading to 108 MHz and adjust TC13 so that the voltage across both ends of C312 is $22 \pm 1.0V$.
- 4) Repeat items 2), 3) several times to adjust so that the voltage at each frequency is as specified.
- 5) Adjust L11, L12, T11 so that the "U" curve of the Q101 collector is maximum when the frequency is as shown in item 2).
- 6) Adjust TC11, TC12 so that the "U" curve of the Q101 collector is maximum when the frequency is as shown in item 3).

2. FM-IF adjustment

- 1) Set the frequency of the FM-SG to 98.0 MHz, and the output, to 1 kHz, 100%, modulation 65 dBf. Receive this signal and adjust the primary (IC101 side) core of T101 so that the voltage across both terminals of R108 is $0 \pm 50 mV$.
- 2) Receive the signal output from the FM-SG the same as in item 1) and adjust the secondary core of T101 so that the distortion is minimum. When the specified voltage in item 1) is too high, repeat adjustment shown in item 1) again.

3. FM-MPX adjustment

- 1) Set the frequency of the FM-SG to 98.0 MHz and the output, to non-modulation 65 dBf. Receive this signal and adjust VR101 so that the reading of the frequency counter is $19 \pm 0.05 kHz$ at TP1 pin 6. Note: Always monitor the oscillation frequency of the FM-SG and keep the accuracy within $\pm 5 kHz$.

4. MW adjustment

- 1) Set trimmers TC201, TC202 to their center positions as shown in Fig. 3.
- 2) Set the reading of the frequency counter to 522 kHz and adjust T201 so that the voltage across both terminals of C312 is $1 \pm 0.1 V$.

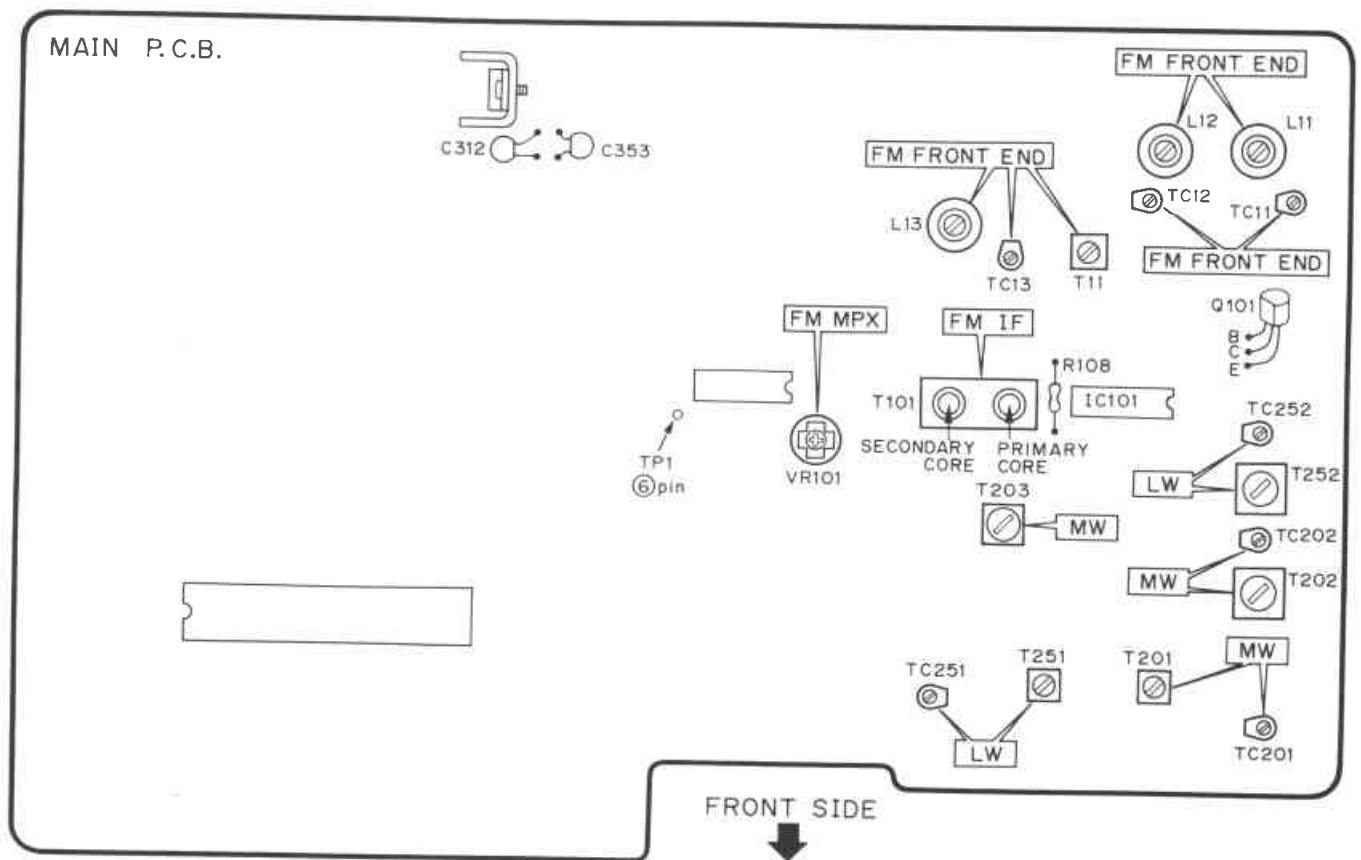


Fig. 4

- 3) Set the reading of the frequency counter to 1,611 kHz and adjust TC201 so that the voltage across both terminals of C312 is 21 ± 1.0 V.
- 4) Repeat items 2), 3) several times so that the voltage is as specified at each frequency.
- 5) Receive the 603 kHz signal and adjust T202 so that the output is maximum.
- 6) Receive the 1,395 kHz signal and adjust TC202 so that the output is maximum.
- 7) Repeat items 5), 6) several times.
- 8) Receive the 600 kHz signal and adjust T203 so that the output is maximum.

5. LW adjustment

- 1) Set trimmers TC251, TC252 to their center positions as shown in Fig.
- 2) Set the reading of the frequency counter to 155 kHz and adjust T251 so that the voltage across both terminals of C353 is 1.8 ± 0.1 V.

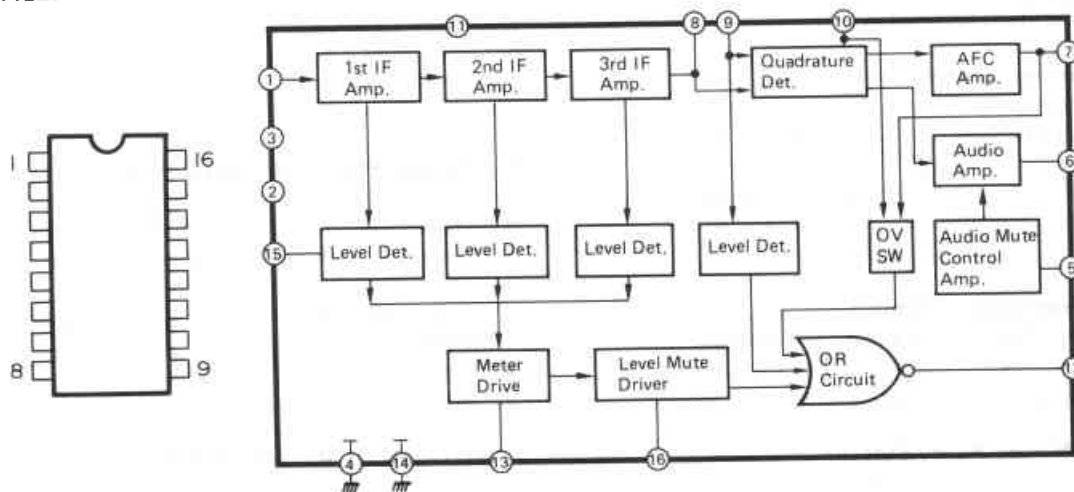
- 3) Set the reading of the frequency counter to 353 kHz and adjust TC251 so that the voltage across both terminals of C353 is 21 ± 1.0 V.
- 4) Repeat items 2), 3) several times to adjust so that the voltage is as specified at each frequency.
- 5) Receive the 155 kHz signal and adjust T252 so that the output is maximum.
- 6) Receive the 353 kHz signal and adjust TC252 so that the output is maximum.
- 7) Repeat items 5), 6) several times to adjust.

6. Check items

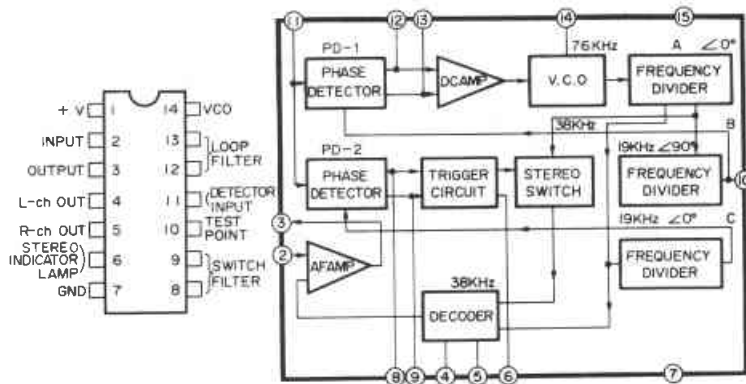
- 1) Receive the FM stereo signal and check that "HI-BLEND" is set to ON when the 5th signal LED is not lit.
- 2) Receive the AM signal and check that "HI-CUT" is set to ON when the 5th signal LED is not lit.
- 3) Check that both "HI-BLEND" and "HI-CUT" are set to OFF when the 5th signal LED is lit.

INTERNAL DIAGRAMS AND PINOUT OF INTEGRATED CIRCUITS

IC101 : HA11225



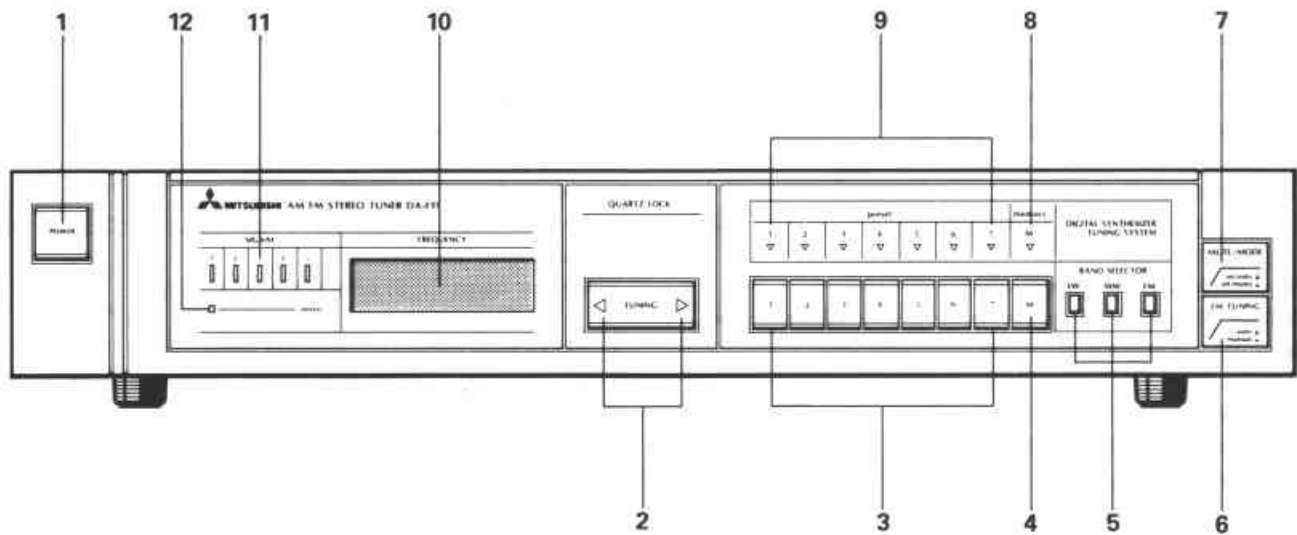
IC102 : μ PC587C2



CONTROL PIN FUNCTION

| Pin No. | NAME | MODE | | MANUAL / MONO | AM |
|---------|--------|---------------|------------------|---------------|----|
| | | STEREO | MONO | | |
| ⑥ | STEREO | L | H | H | H |
| ⑩ | TP-1 | 19 KHz | VCO Free Running | | |
| ⑭ | VCO | VCO Freq. Adj | | | |

FRONT PANEL TERMINOLOGY AND FUNCTIONS

**1. POWER (Power Switch)**

This switch is for turning this unit on and off.

CAUTION

The POWER switch on the front panel does not separate in off-position completely from the mains.

2. TUNING (Tuning Control)

Depress ◁ when tuning a station with a frequency lower than that indicated on the FREQUENCY display.

Depress ▷ when tuning a station with a frequency higher than that indicated on the FREQUENCY display.

3. PRESET (Preset Station Buttons)

7 FM, 4 MW and 3 LW stations can be memorized. When a preset tuning button is pushed, the corresponding station will be immediately tuned in.

4. MEMORY (Memory Ready Button)

This button is used to preset frequencies into the programmable memory.

7 FM stations can be memorized by operating the PRESET station buttons 1 through 7.

4 MW stations can be memorized by operating the PRESET station buttons 1 through 4.

3 LW stations can be memorized by operating the PRESET station buttons 5 through 7.

Simply depress the MEMORY switch when storing the desired frequency and this operation will cause the MEMORY indicator to light up for a period of about 5 seconds. Depress the PRESET station button while this indicator is still on.

The frequency of the broadcast station indicated on the FREQUENCY display will then be stored by the switch.

NOTE:

A capacitor back-up system is used for the memory power supply. It operates even when the power switch is set to off. Disconnect the power cord when you do not intend to use the tuner for a long period of time. If the power cord is disconnected for three days or longer, the stations stored in the memory will be erased.

5. LW, MW, FM (Band Selector Buttons)

These switches are for selecting LW, MW and FM band reception. The LW, MW and FM indicator next to the digital display shows the selected band.

6. FM TUNING (Auto/Manual FM Tuning Selector Switch)

- auto For automatic tuning operations.
- ▲ manual For manual tuning operations.

7. MUTE/MODE (Muting Mode Selection Switch)

This switch is for selecting the mode of FM reception required.

on/auto For FM stereo broadcast reception. In this position both interstation noise and stations too weak for good stereo reception are muted while tuning.

off/mono For receiving FM broadcasts (including stereo broadcasts) monaurally. Muting is off, and both the interstation noise and the weaker stations will be heard.

8. MEMORY (Memory Indicator)

This indicator shows that the memory is ready in standby mode.

DISASSEMBLY INSTRUCTIONS

9. PRESET (Preset Station Indicator)

When a preset station button is pushed, the corresponding indicator is illuminated.

10. FREQUENCY (Frequency Digital Display)

This display expresses the numerical value of the receiving frequency.

11. SIGNAL (Signal Strength Meter)

This meter shows the signal strength level of LW, MW and FM broadcasts. Sufficient signal to noise ratio for monaural reception is obtained when three or more indicator lamps are illuminated. For stereo reception, when four or more indicator lamps are illuminated.

12. STEREO (Stereo Indicator)

This indicator illuminated when a FM stereo broadcast is being received. If the MUTE/MODE switch is in the "off/mono" position, this indicator will not illuminate even when a stereo station is tuned.

1. REMOVING TOP LID

Remove seven screws shown Fig. 1 to remove the top lid.

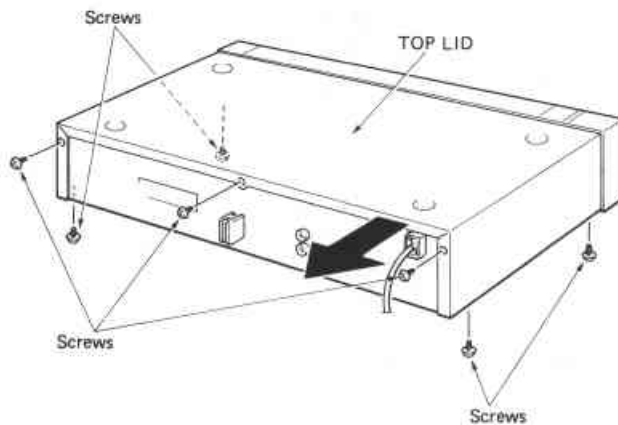


Fig. 1

2. REMOVING FRONT PANEL

Remove five screws shown Fig. 2 to remove the front panel.

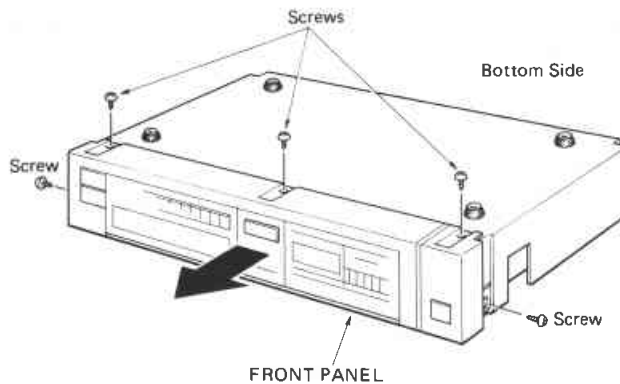
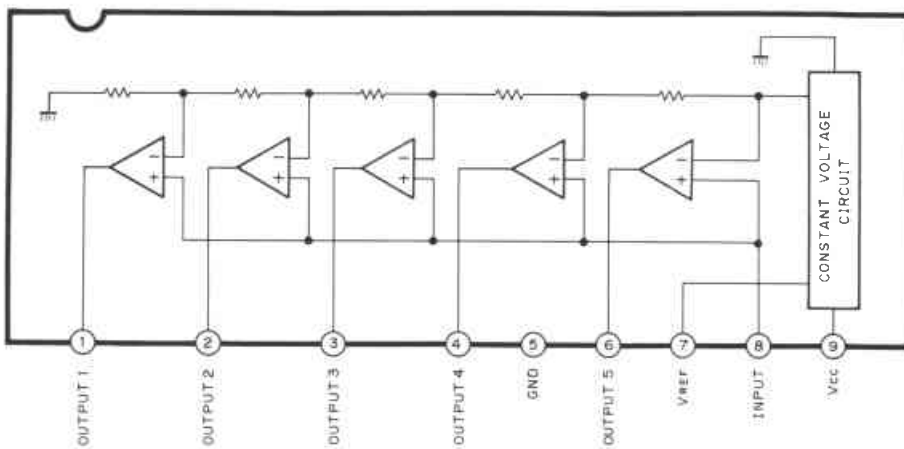
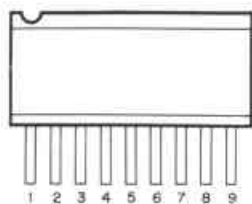
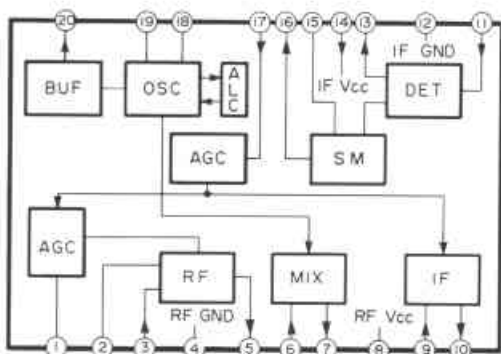
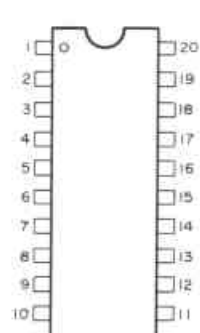


Fig. 2

IC103 : BA6104



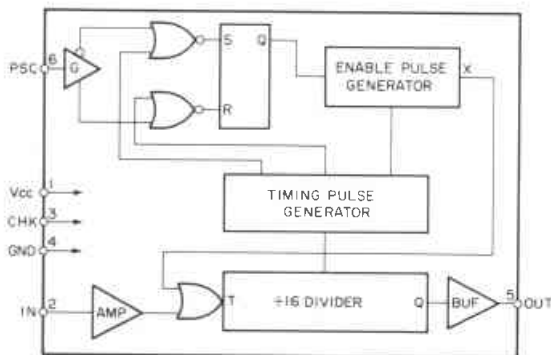
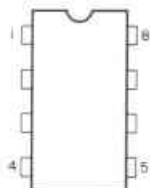
IC201 : LA1245



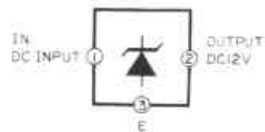
CONTROL PIN FUNCTION

| Pin No. | NAME | MODE | | F M |
|---------|-------|--------|-----|-----|
| | | A | M | |
| 14 | VCC | 10.6 V | | 0 |
| 16 | METER | high | low | |

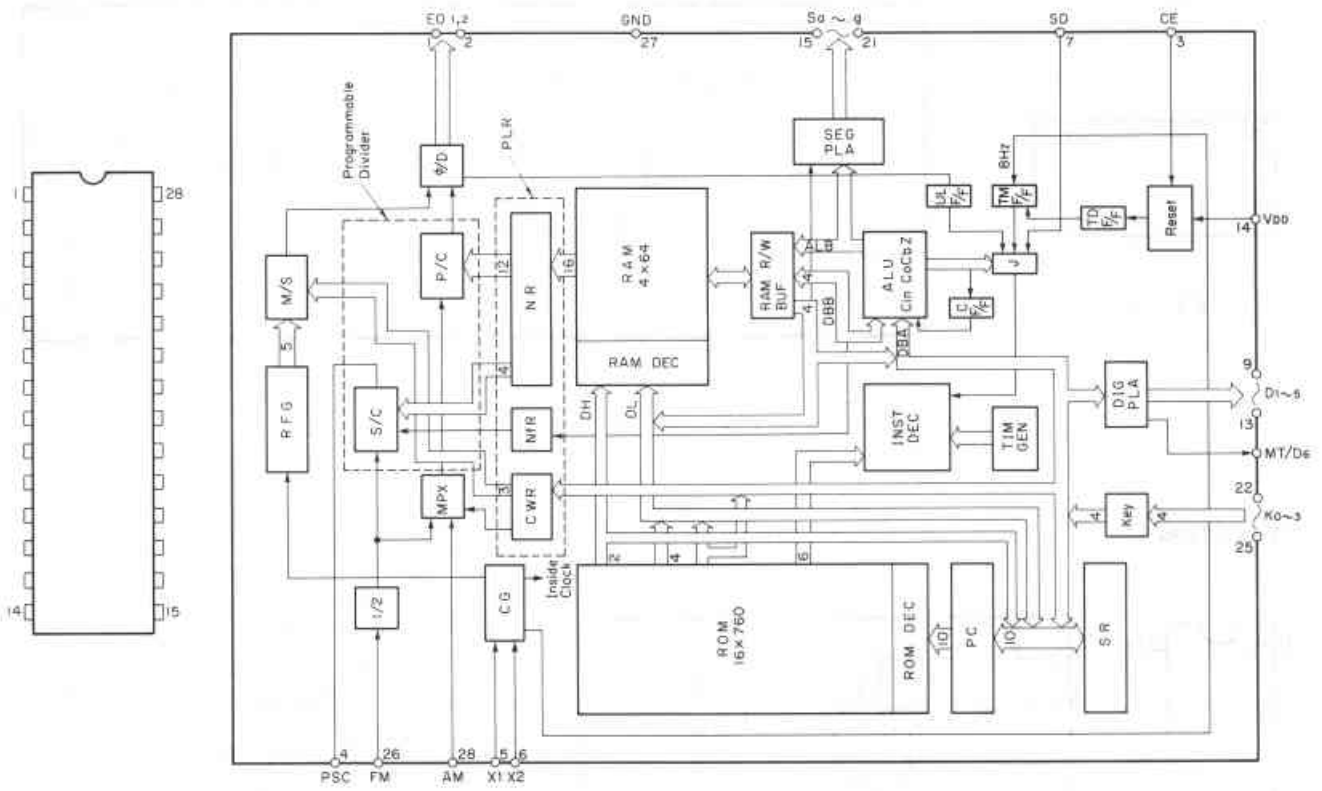
IC301 : μ PB553AC



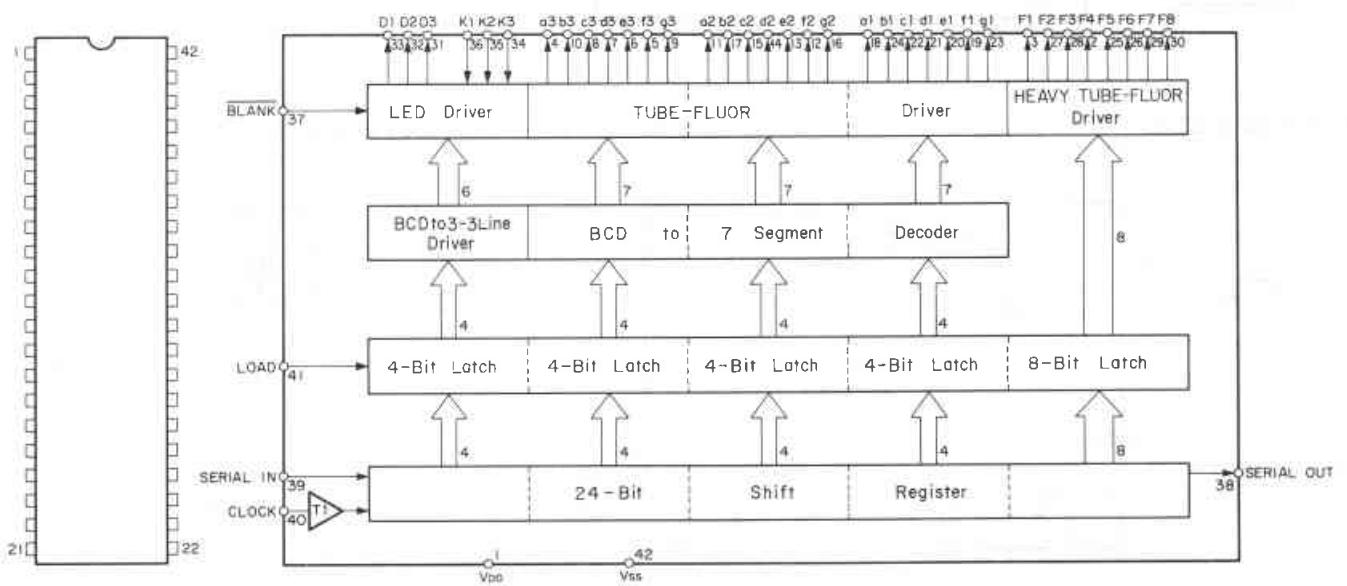
IC501 : IC Ass'y



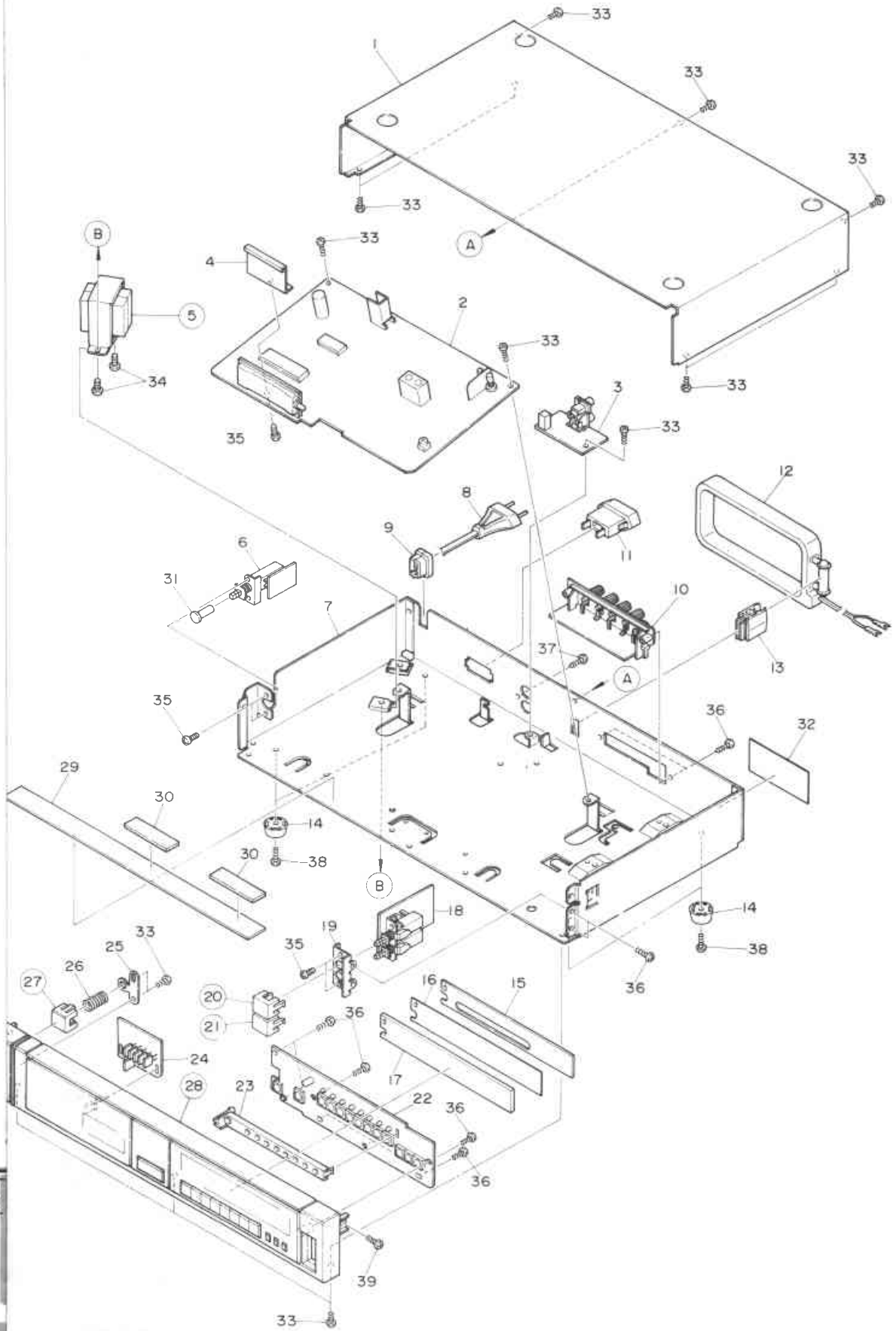
IC302 : μ PD1703



IC303 : MSM58282RS



PRINTEDLODED VIEW



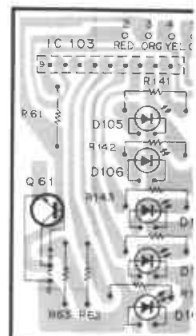
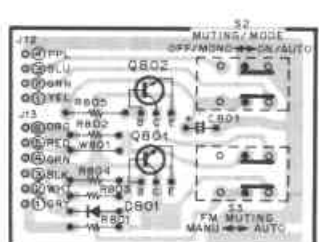
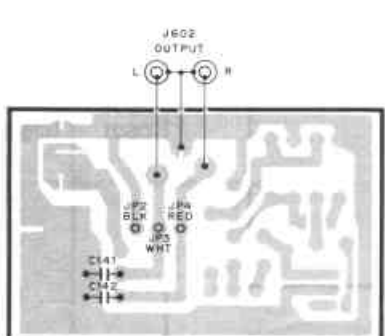
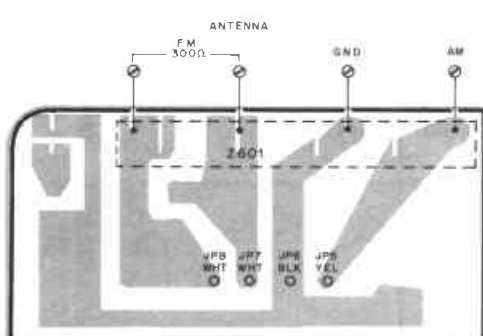
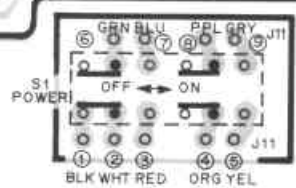
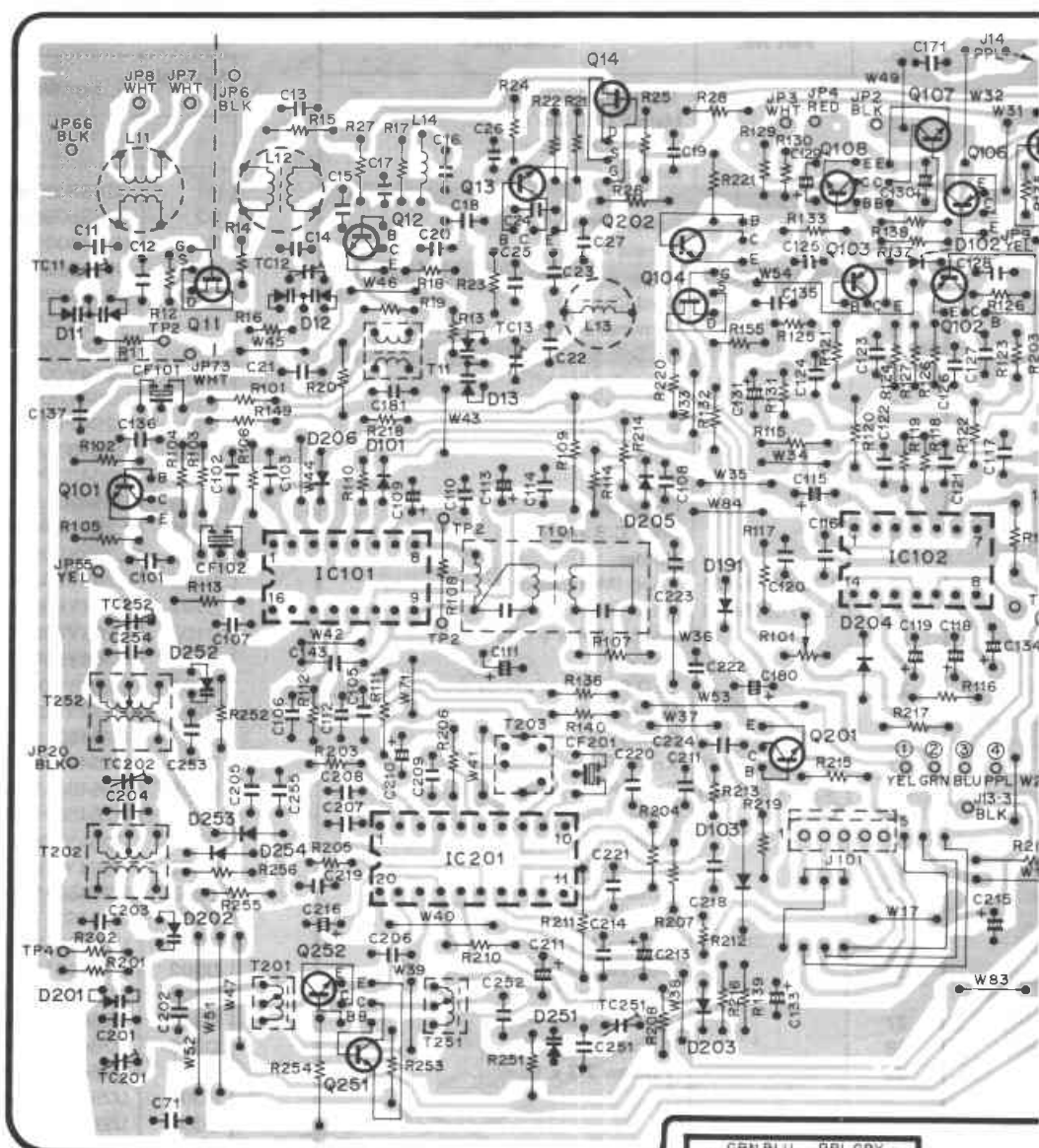
PARTS LIST

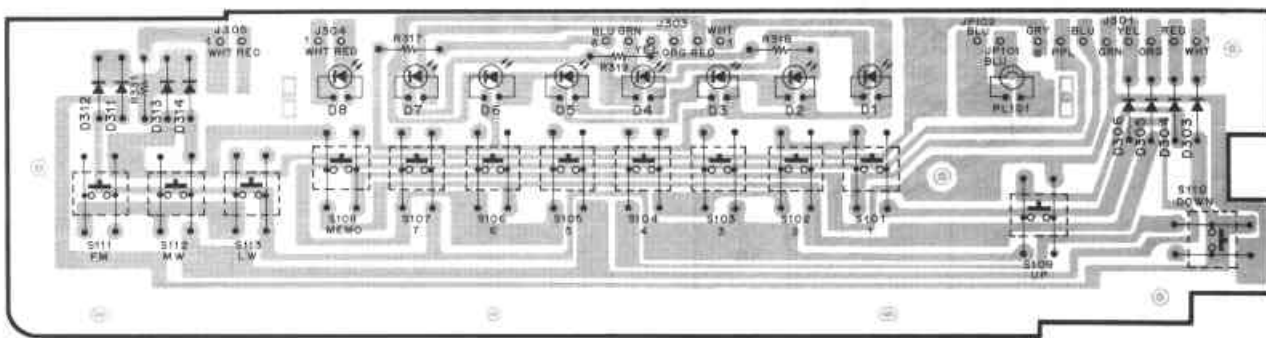
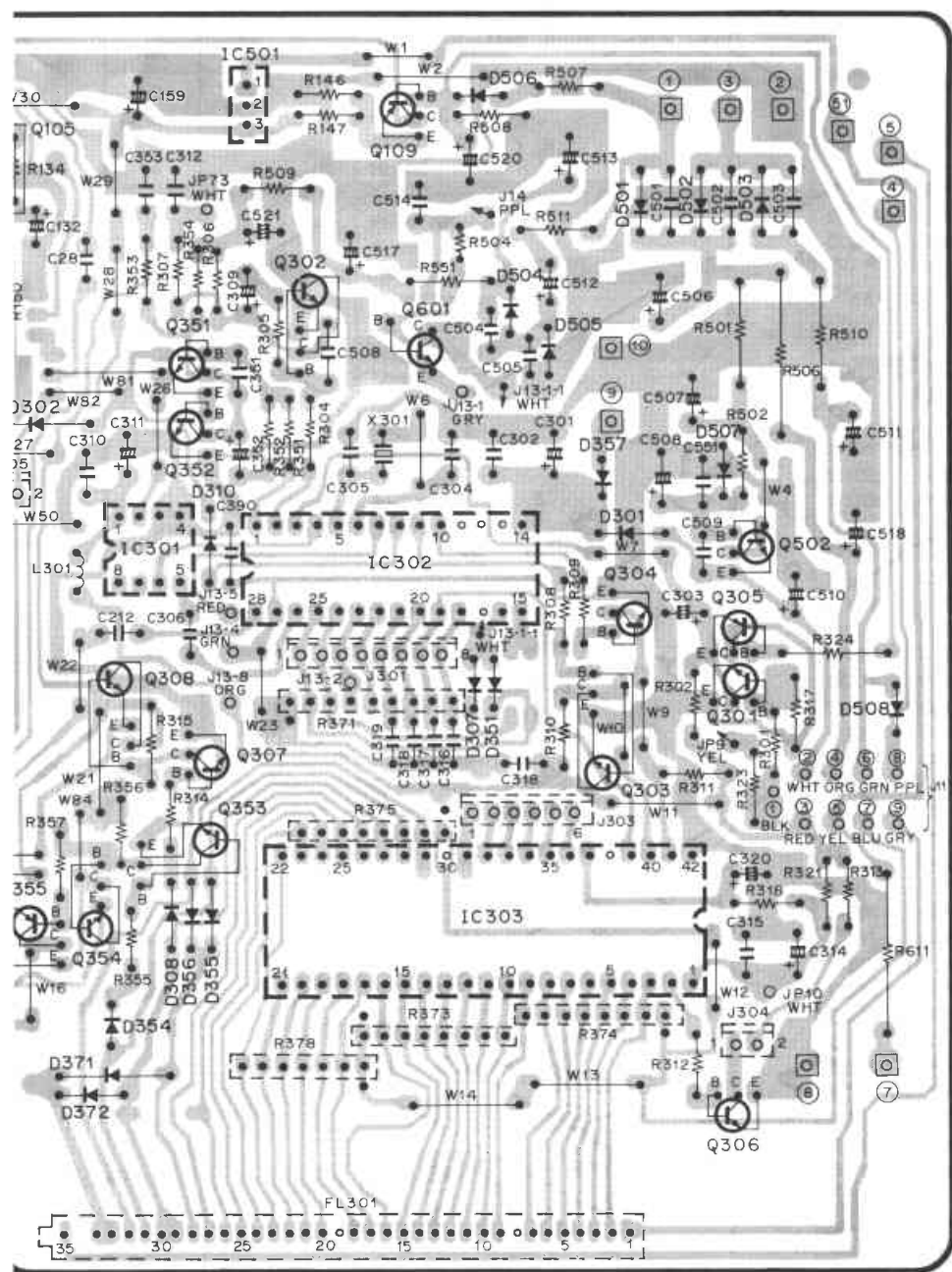
NOTE: Δ and XXXXXXXXXX marks components on Parts list have special characteristics to maintain the safety performance of this unit. When replacing any of these parts, be sure to use only those specified parts.

| Symbol No. | Part No. | Description |
|------------|-------------|--------------------------------|
| 1 | | Top Cover |
| 2 | | Main P.C.B. Ass'y |
| 3 | | Jack P.C.B. Ass'y |
| 4 | | Holder |
| 5 | L350C508H01 | Trans-Power Δ |
| 6 | | Power SW-Ass'y |
| 7 | | Chassis Ass'y |
| 8 | L242D505G02 | Power Cord Ass'y Δ |
| 9 | | Cord Clamper |
| 10 | | Terminal Board Ass'y (Antenna) |
| 11 | | AC Soker Δ |
| 12 | | Loop Antenna |
| 13 | | Holder (Antenna) |
| 14 | | Leg |
| 15 | | Holder |
| 16 | | Ornament |
| 17 | | Ornament |
| 18 | | SW P.C.B Ass'y |
| 19 | | Holder |
| 20 | L707C505H61 | Knob (Mute/Mode) |
| 21 | L707C505H71 | Knob (FM-Tuning) |
| 22 | | SW P.C.B Ass'y (Pre Set) |
| 23 | | Holder |
| 24 | | LED P.C.B Ass'y |
| 25 | | Holder |
| 26 | | Spring |
| 27 | L704C506H01 | Knob (Power) |
| 28 | L702A512H01 | Front Panel Ass'y |
| 29 | | Sheet |
| 30 | | Cushion |
| 31 | | Knob-Link |
| 32 | | Name-Plate |
| 33 | | Screw 3 x 6 |
| 34 | | B-Screw M4 x 5 |
| 35 | | B-Screw M3 x 6 |
| 36 | | B-Screw 3 x 10 |
| 37 | | T-Screw 1-3 x 10 |
| 38 | | T-Screw 2-3 x 14 |
| 39 | | T-Screw 2-3 x 16 |

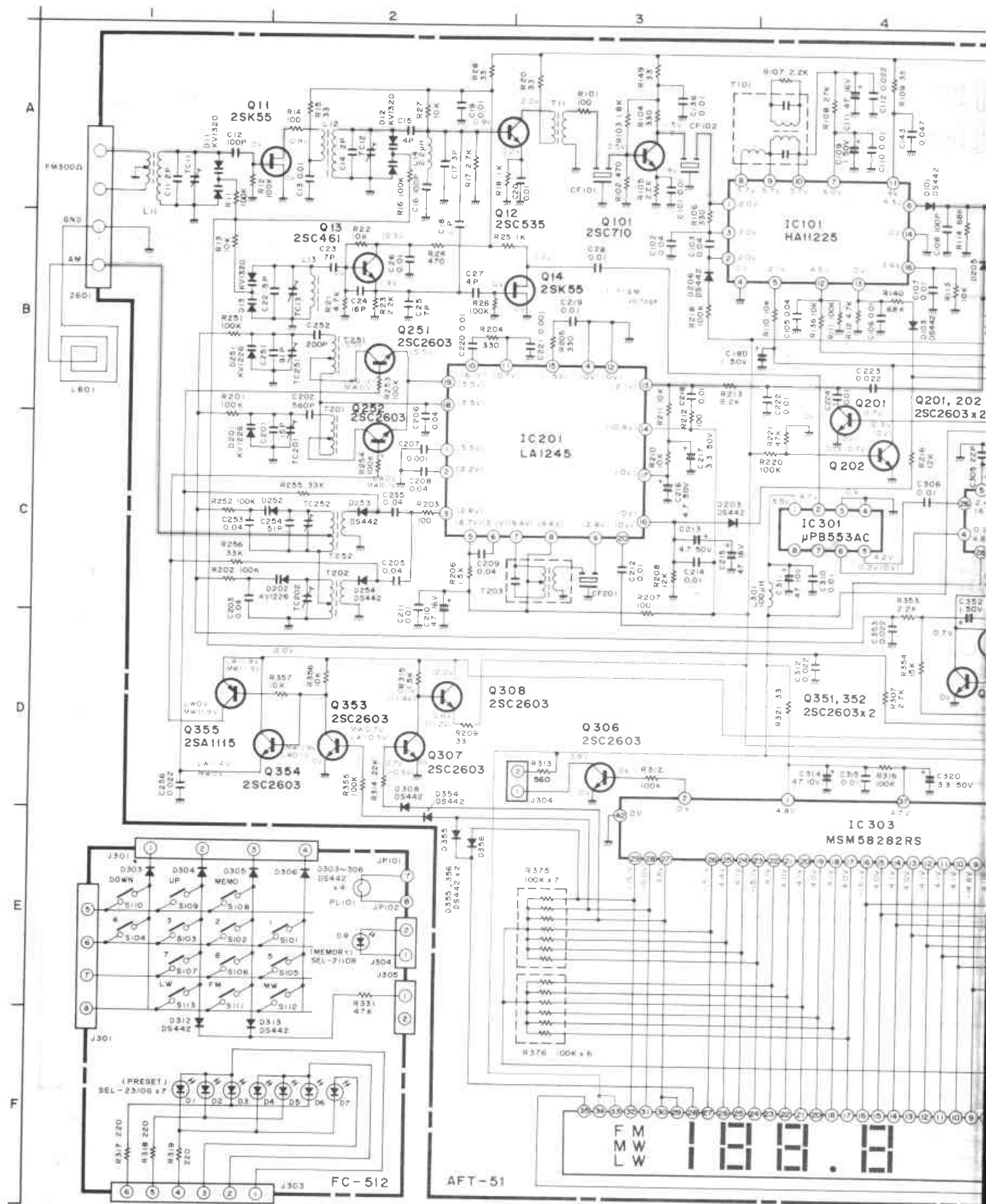
| Symbol No. | Part No. | Description |
|------------|-------------|-----------------|
| Diodes | | |
| D1 | U268S086H01 | SEL-2310G (LED) |
| D2 | U268S086H01 | SEL-2310G (LED) |
| D3 | U268S086H01 | SEL-2310G (LED) |
| D4 | U268S086H01 | SEL-2310G (LED) |
| D5 | U268S086H01 | SEL-2310G (LED) |
| D6 | U268S086H01 | SEL-2310G (LED) |
| D7 | U268S086H01 | SEL-2310G (LED) |
| D11 | U264Y009H01 | KV1320 |
| D12 | U264Y009H01 | KV1320 |
| D13 | U264Y009H01 | KV1320 |
| D101 | U264S011H01 | DS442 |
| D102 | U264S011H01 | DS442 |
| D103 | U264S011H01 | DS442 |
| D104 | L268Y006H01 | LT3213 (LED) |
| D105 | L268Y005H01 | LT3233G (LED) |
| D106 | L268Y005H01 | LT3233G (LED) |
| D107 | L268Y005H01 | LT3233G (LED) |
| D108 | L268Y005H01 | LT3233G (LED) |
| D109 | L268Y005H01 | LT3233G (LED) |
| D201 | U264Y002H01 | KV1226Y |
| D202 | U264Y002H01 | KV1226Y |
| D203 | U264S011H01 | DS442 |
| D204 | U264S011H01 | DS442 |
| D205 | U264S011H01 | DS442 |
| D206 | U264S011H01 | DS442 |
| D251 | U264Y002H01 | KV1226Y |
| D252 | U264Y002H01 | KV1226Y |
| D253 | U264S011H01 | DS442 |
| D254 | U264S011H01 | DS442 |
| D301 | U264S012H01 | DS446 |
| D302 | U264S011H01 | DS442 |
| D303 | U264S011H01 | DS442 |
| D304 | U264S011H01 | DS442 |
| D305 | U264S011H01 | DS442 |
| D306 | U264S011H01 | DS442 |
| D307 | U264S011H01 | DS442 |
| D308 | U264S011H01 | DS442 |
| D310 | U264S011H01 | DS442 |
| D311 | U264S011H01 | DS442 |
| D312 | U264S011H01 | DS442 |
| D351 | U264S011H01 | DS442 |
| D354 | U264S011H01 | DS442 |
| D355 | U264S011H01 | DS442 |
| D356 | U264S011H01 | DS442 |
| D501 | U264S013H30 | 10E1 |
| D502 | U264S013H30 | 10E1 |
| D503 | U264S013H30 | 10E1 |
| D504 | U264S012H01 | DS446 |
| D505 | U264S012H01 | DS446 |
| D506 | U264S012H01 | DS446 |
| D507 | U264S013H30 | DS6.2E-B2 |
| D508 | U264S013H30 | DS6.2E-B2 |
| D801 | U264S011H01 | DS442 |

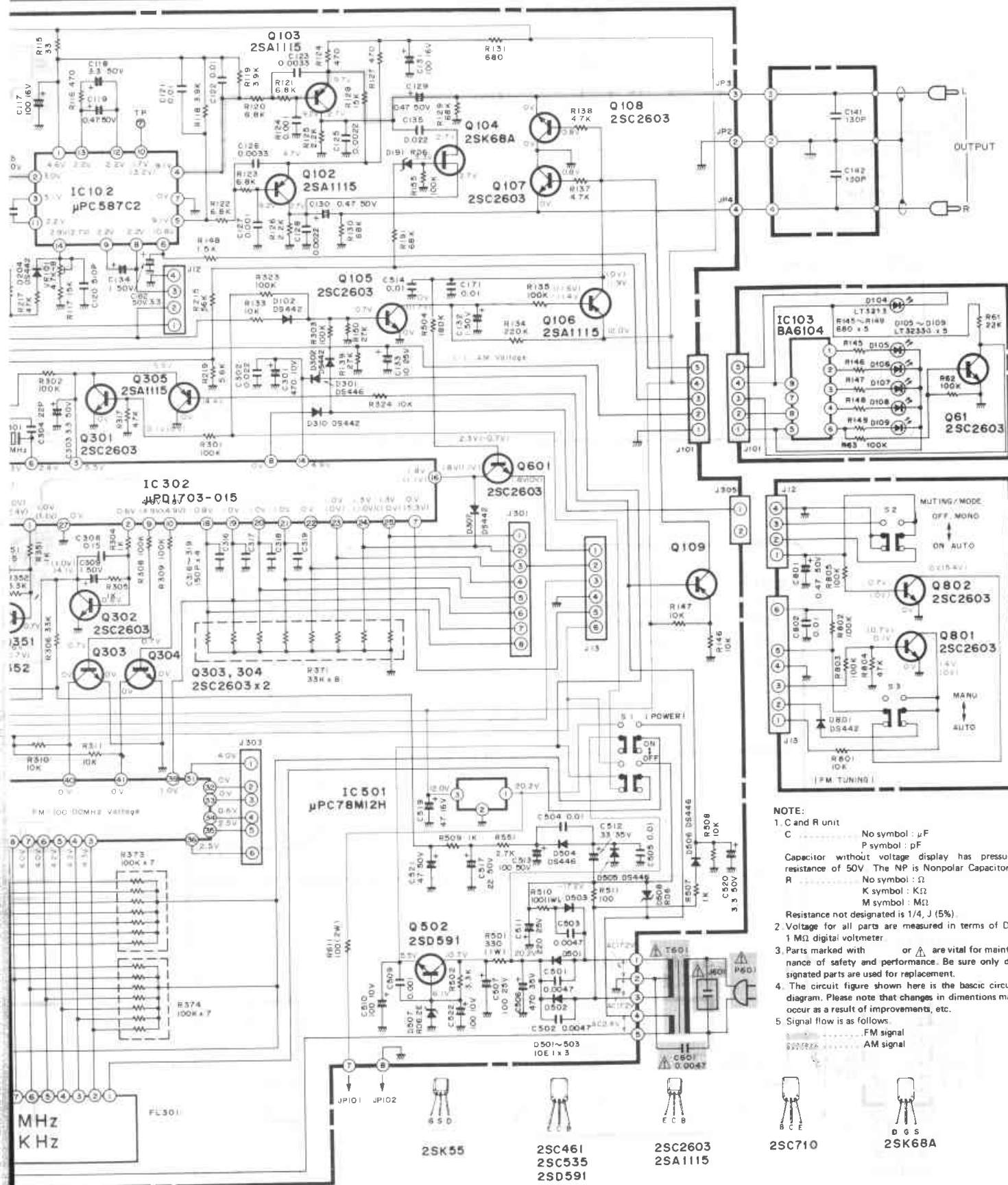
PRINTED CIRCUIT BOARDS





SCHEMATIC DIAGRAM

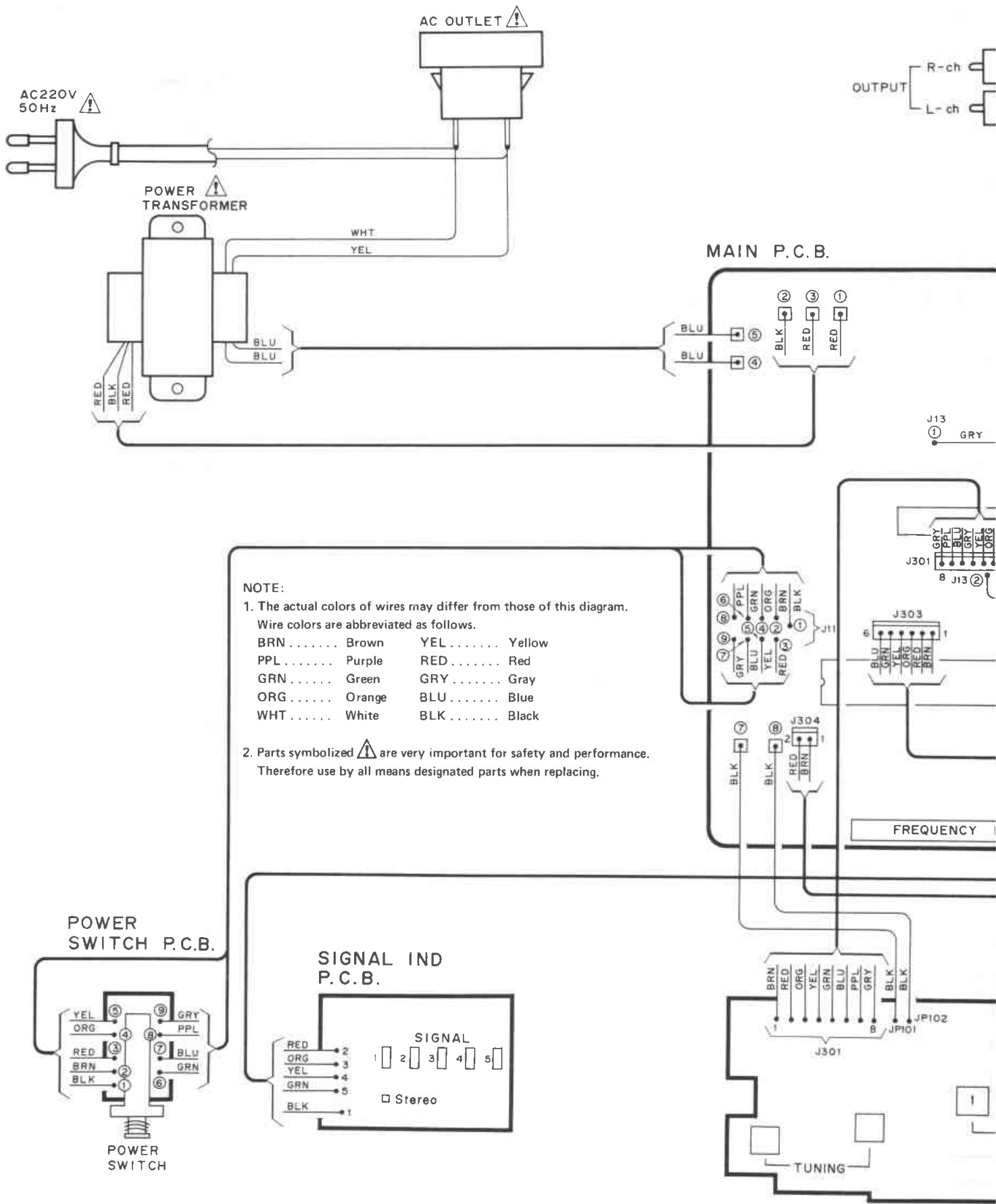




NOTE:
 1. C and R unit
 C No symbol : μ F
 P symbol : pF
 Capacitor without voltage display has pressure resistance of 50V. The NP is Nonpolar Capacitors.
 R No symbol : Ω
 K symbol : K Ω
 M symbol : M Ω
 Resistance not designated is 1/4, J (5%).
 2. Voltage for all parts are measured in terms of DC 1 M Ω digital voltmeter.
 3. Parts marked with Δ or ∇ are vital for maintenance of safety and performance. Be sure only designated parts are used for replacement.
 4. The circuit figure shown here is the basic circuit diagram. Please note that changes in dimensions may occur as a result of improvements, etc.
 5. Signal flow is as follows.
 FM signal
 AM signal

- 2SK55
- 2SC461
 2SC535
 2SD591
- 2SC2603
 2SA1115
- 2SC710
- 2SK68A

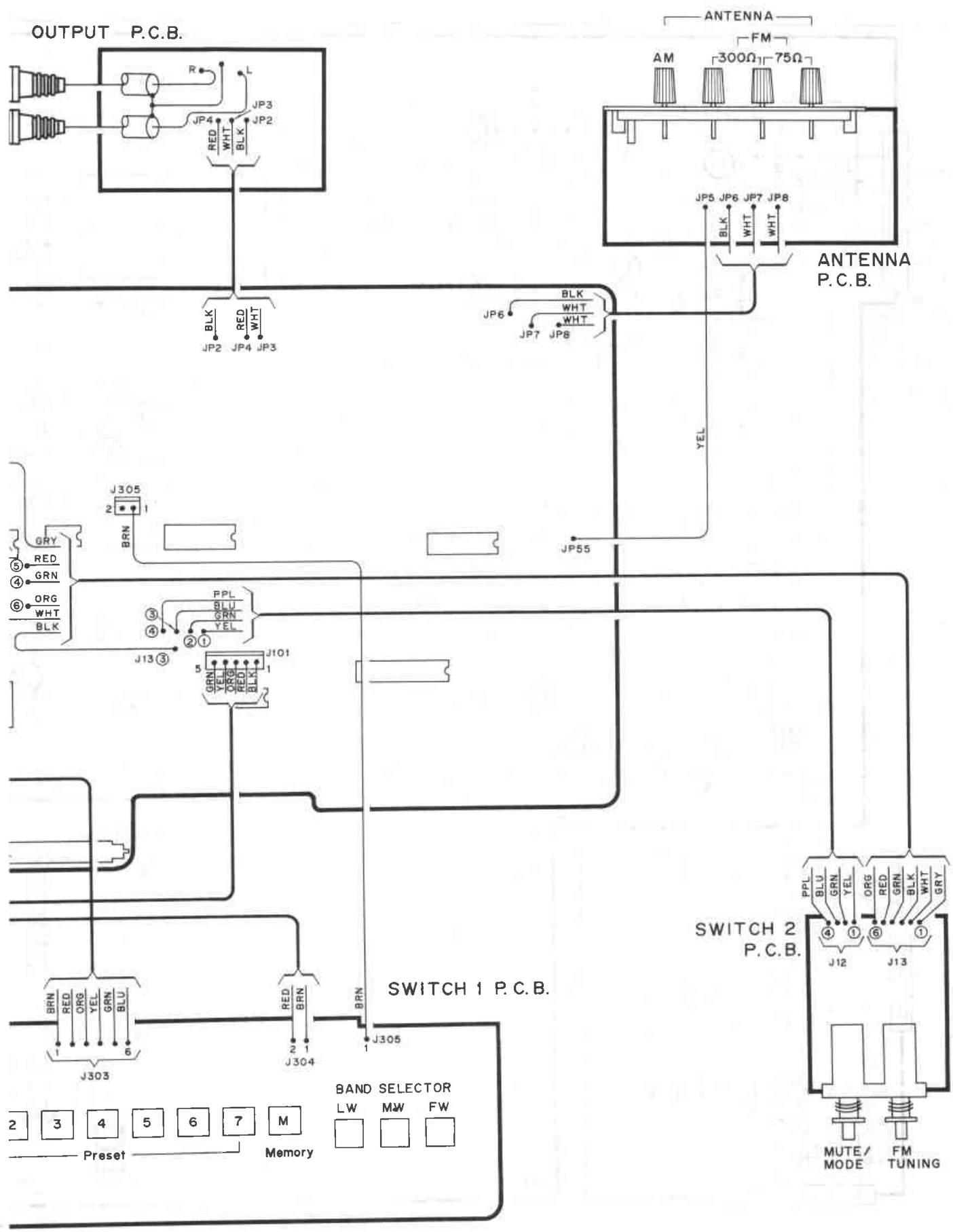
WIRING DIAGRAM



NOTE:

- The actual colors of wires may differ from those of this diagram. Wire colors are abbreviated as follows.

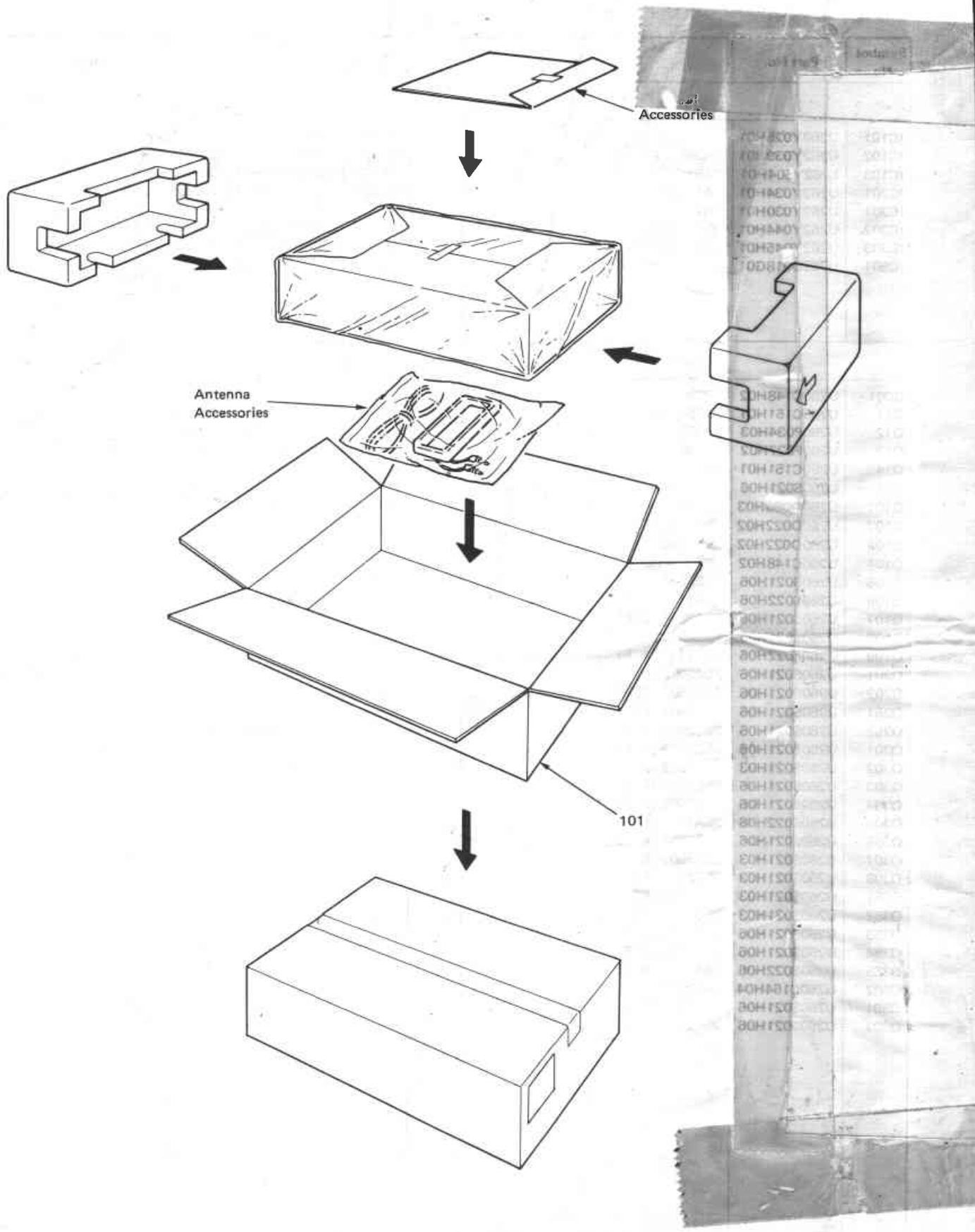
| | | | |
|---------------|--------|---------------|--------|
| BRN | Brown | YEL | Yellow |
| PPL | Purple | RED | Red |
| GRN | Green | GRY | Gray |
| ORG | Orange | BLU | Blue |
| WHT | White | BLK | Black |
- Parts symbolized are very important for safety and performance. Therefore use by all means designated parts when replacing.



| Symbol No. | Part No. | Description |
|--------------------|-------------|-------------------|
| ICs | | |
| IC101 | U262Y026H01 | HA11225 |
| IC102 | U262Y039H01 | μPC587C2 |
| IC103 | L262Y504H01 | BA6104 |
| IC201 | U262Y034H01 | LA1245 |
| IC301 | U262Y030H01 | μPB553 |
| IC302 | U262Y044H01 | μPD1703-01 |
| IC303 | U262Y045H01 | MSM58282RS |
| IC501 | U262D018G01 | IC-Ass'y (V-REG.) |
| Transistors | | |
| Q001 | U260C148H02 | 2SC2603 (E, F) |
| Q11 | U260C151H01 | 2SK55 (D) |
| Q12 | U260P034H03 | 2SC535 (C) |
| Q13 | U260P027H02 | 2SC461 (B) |
| Q14 | U260C151H01 | 2SK55 (D) |
| Q61 | U260S021H06 | 2SC2603 (E, F) |
| Q101 | U260D080H03 | 2SC710 (D) |
| Q102 | U260D022H02 | 2SA1115 (E) |
| Q103 | U260D022H02 | 2SA1115 (E) |
| Q104 | U260C148H02 | 2SK68A (L) |
| Q105 | U260S021H06 | 2SC2603 (E, F) |
| Q106 | U260S022H06 | 2SA1115 (E, F) |
| Q107 | U260S021H06 | 2SC2603 (E, F) |
| Q108 | U260S021H06 | 2SC2603 (E, F) |
| Q109 | U260S022H06 | 2SA1115 (E, F) |
| Q201 | U260S021H06 | 2SC2603 (E, F) |
| Q202 | U260S021H06 | 2SC2603 (E, F) |
| Q251 | U260S021H06 | 2SC2603 (E, F) |
| Q252 | U260S021H06 | 2SC2603 (E, F) |
| Q301 | U260S021H06 | 2SC2603 (E, F) |
| Q302 | U260S021H03 | 2SC2603 (F) |
| Q303 | U260S021H06 | 2SC2603 (E, F) |
| Q304 | U260S021H06 | 2SC2603 (E, F) |
| Q305 | U260S022H06 | 2SA1115 (E, F) |
| Q306 | U260S021H06 | 2SC2603 (E, F) |
| Q307 | U260S021H03 | 2SC2603 (F) |
| Q308 | U260S021H03 | 2SC2603 (F) |
| Q351 | U260S021H03 | 2SC2603 (F) |
| Q352 | U260S021H03 | 2SC2603 (F) |
| Q353 | U260S021H06 | 2SC2603 (E, F) |
| Q354 | U260S021H06 | 2SC2603 (E, F) |
| Q355 | U260S022H06 | 2SA1115 (E, F) |
| Q502 | U260C164H04 | 2SD571 (L, K) |
| Q801 | U260S021H06 | 2SC2603 (E, F) |
| Q802 | U260S021H06 | 2SC2603 (E, F) |

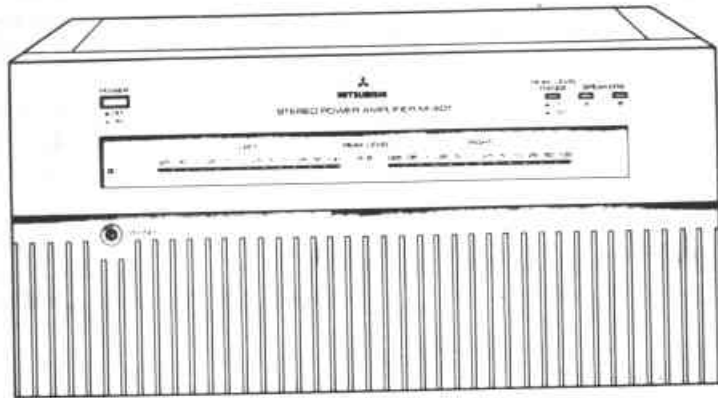
| Symbol No. | Part No. | Description |
|-------------------------|-------------|--|
| Electrical Parts | | |
| CF101 | U365Y009H01 | Ceramic-Filter |
| CF102 | U365Y009H01 | Ceramic-Filter |
| CF201 | U365Y016H01 | Ceramic-Filter |
| FL301 | U251Y018H01 | Tube-Fluor |
| PL1 | L253C501H01 | Lamp |
| S1 | U432S112H01 | SW-Push (POWER) |
| S2 | L432Y509H01 | SW-Push (MUTING/MODE) |
| S3 | L432Y509H01 | SW-Push (FM MUTING) |
| S101 | U432S066H01 | SW-Push (1) |
| S102 | U432S066H01 | SW-Push (2) |
| S103 | U432S066H01 | SW-Push (3) |
| S104 | U432S066H01 | SW-Push (4) |
| S105 | U432S066H01 | SW-Push (5) |
| S106 | U432S066H01 | SW-Push (6) |
| S107 | U432S066H01 | SW-Push (7) |
| S108 | U432S066H01 | SW-Push (M) |
| S109 | U432S066H01 | SW-Push (UP) |
| S110 | U432S066H01 | SW-Push (DOWN) |
| S111 | U432S066H01 | SW-Push (FM) |
| S112 | U432S066H01 | SW-Push (MW) |
| S113 | U432S066H01 | SW-Push (LW) |
| T001 | U351C046H01 | Filter |
| T11 | U364C032H01 | Trans-IF |
| T101 | U364C034H01 | Trans-IF |
| T201 | U373Y004H01 | Coil-OSC |
| T202 | U370C054H01 | Coil-ANT |
| T203 | U374Y020H01 | Trans-IF |
| T251 | U371Y005H01 | Coil-OSC |
| T252 | U370C055H01 | Coil-ANT |
| T601 | L350C508H01 | Trans-Power ▲ |
| VR101 | U127P001H08 | VR-SEMI-4.7K (B) |
| X301 | U285D007H01 | Crystal |
| Z601 | U440C080H01 | Terminal Board |
| Packing | | |
| 101 | L800B504H12 | Packing-Box |

PACKING INSTRUCTIONS



SERVICE MANUAL

STEREO POWER AMPLIFIER
MODEL M-A01



CONTENTS

| | |
|-----------------------------|----|
| SPECIFICATIONS | 2 |
| FRONT PANEL | 3 |
| REAR PANEL | 3 |
| DISASSEMBLY | 4 |
| ADJUSTMENTS | 6 |
| SCHEMATIC DIAGRAM | 7 |
| PRINTED CIRCUIT BOARD | 9 |
| SERVICE PARTS LIST | 11 |

SPECIFICATIONS

| | | | |
|-------------------------------------|---|--|---|
| Power output | .70W continuous power per channel, both channels driven into 8 ohms from 15 Hz to 20kHz, with 0.01% THD | Input sensitivity/impedance | 1 V/50 kohms |
| | 85W continuous power per channel, both channels driven into 4 ohms from 15 Hz to 20kHz, 0.02% THD | Damping factor | .100 from 20Hz to 20kHz, 8 ohms |
| Total harmonic distortion . | 0.004% at 30W per channel, both channels driven into 8 ohms 15 Hz to 20kHz | Hum and noise | .80 μ V (unweighted, closed circuit) |
| | 0.006% at 1W per channel, both channels driven into 8 ohms from 15 Hz to 20kHz | Signal to noise ratio | 109 dB (unweighted, closed circuit) |
| Intermodulation distortion . | 0.008% at rated power, 8 ohms (70Hz and 7kHz 4:1) | (at rated power) | 123 dB (IHF, A network, closed circuit) |
| Power bandwidth (IHF) . . | .10 Hz to 60kHz at 0.05% THD, 8 ohms | | 109 dB (DIN, 47 kohms/250 pF terminated) |
| Frequency response | \pm 0.1 dB from 20 Hz to 20kHz at rated power, 8 ohms | Slew rate | .30 V/ μ S |
| | 0 ~ -1 dB from 20 Hz to 20kHz at 0.5W per channel, 8 ohms | Power consumption | .220W (IEC nominal) 200W (UL nominal) 260VA (CSA nominal) |
| | | Matching impedance | 4 to 16 ohms |
| | | Headphone output | .01 W/8 ohms |
| | | Output systems | A, B, A-B |
| | | Semiconductors | .9 ICs, 2 FETs, 37 Transistors 65 Diodes |
| | | Dimensions (W x H x D) . . | .270 x 130 x 243 mm (10-5/8" x 6-11/16" x 9-9/16") |
| | | Weight | .10 kg (22 lb) |
| | | (Supplied with RCA audio cable) | |

* Design and specifications are subject to change without notice for improvements.