QS
4-CHANNEL STEREO

# SERVICE MANUAL

## 4-CHANNEL RECEIVER

## SANSUI QRX-2000

Sansui

SANSUI ELECTRIC CO., LTD.

This service manual is designed for service engineers to repair, adjust, maintain and order the replacement parts of the QRX-2000 correctly. When ordering the parts, use the stock number and parts name specifically referring to the Parts Locations & Parts List.
For general usage and maintenance of the unit, please refer to the Operating Instructions attached with the unit.

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# 1. SPECIFICATIONS

**AUDIO SECTION**

POWER OUTPUT (at rated distortion)
- MUSIC POWER (IHF) ..... 80Watts into 4Ω
  60Watts into 8Ω
- CONTINUOUS POWER (1kHz, each channel driven)
  ..... 17Watts/Channel into 4Ω
  12Watts/Channel into 8Ω
- CONTINUOUS POWER (1kHz, 4 channels driven)
  ..... 7 × 4Watts into 8Ω
- 2-CHANNEL OPERATED CONTINUOUS POWER (1kHz, 2 channels driven)
  ..... 11 × 2Watts into 8Ω

TOTAL HARMONIC DISTORTION
..... less than 0.8% at rated output

INTERMODULATION DISTORTION
(70Hz : 7,000Hz=4 : 1 SMPTE method)
..... less than 0.8% at rated output

POWER BANDWIDTH .... 25 to 30,000Hz

LOAD IMPEDANCE ..... 4 to 16Ω

DAMPING FACTOR ..... approximately 20 at 8Ω load

INPUT SENSITIVITY AND IMPEDANCE (1kHz, for rated output)
- PHONO ..... 3mV 50kΩ
  Max. Input Capability .. more than 80mV at 0.5% distortion
- AUX ..... 170mV 50kΩ
- TAPE PLAY (Pin Jack) ..... 170mV 50kΩ
- TAPE REC/PLAY (DIN Socket) .. 170mV 50kΩ

RECORDING OUTPUT
- TAPE REC (Pin Jack) ..... 170mV
- TAPE REC/PLAY (DIN Socket) .. 30mV

FREQUENCY RESPONSE (at 1Watt output from AUX)
..... (30 to 30,000Hz ±1.5dB)

EQUALIZATION .... RIAA Curve 30 to 15,000Hz ±1dB

CROSSTALK (FUNCTION: 2-CH)
..... better than 50dB

HUM AND NOISE (IHF)
- PHONO ..... better than 70dB
- AUX ..... better than 80dB

CONTROLS
- BASS ..... ±10dB at 50Hz
- TREBLE ..... ±10dB at 15,000Hz
- LOUDNESS ..... +8dB at 50Hz, +3dB at 10,000Hz

SYNTHESIZER/DECODER .... QS regular matrix system with vario-matrix circuit

**TUNER SECTION**

<FM>

TUNING RANGE ..... 88 to 108MHz

SENSITIVITY (IHF) ..... 2.5μV
- Max. Input Capability .... more than 100dB

TOTAL HARMONIC DISTORTION
- MONO ..... less than 0.5%
- STEREO ..... less than 0.8%

SIGNAL TO NOISE RATIO (mono)
..... better than 60dB

CAPTURE RATIO (IHF) ..... less than 2.5dB

IMAGE REJECTION ..... better than 50dB

IF REJECTION ..... better than 60dB

SUPURIOUS RESPONSE REJECTION
..... better than 60dB

STEREO SEPARATION ..... better than 35dB at 1,000Hz

FREQUENCY RESPONSE .... 30 to 15,000Hz $^{+1}_{-3}$dB

ANTENNA INPUT IMPEDANCE
..... 300Ω balanced, 75Ω unbalanced

SELECTIVITY ..... better than 50dB

<AM>

TUNING RANGE ..... 535 to 1,605kHz

SENSITIVITY (bar antenna) .. 50dB/m

IMAGE REJECTION ..... better than 80dB/m

IF REJECTION ..... better than 80dB/m

SELECTIVITY ..... better than 25dB

**OTHERS**

SEMICONDUCTORS
- TRANSISTORS ..... 66
- DIODES ..... 34
- FETs ..... 3
- ICs ..... 2
- ZENER DIODES ..... 2

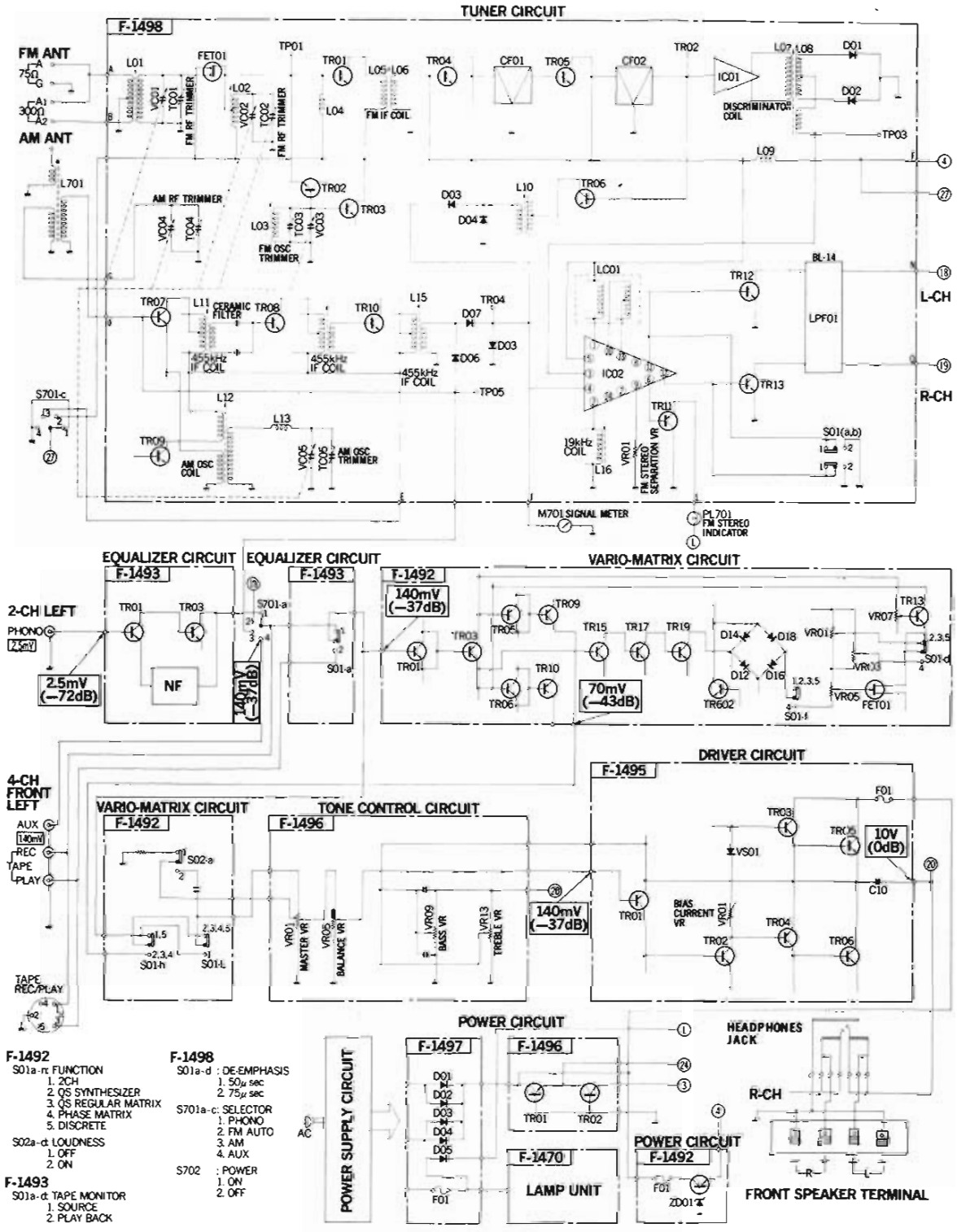
POWER REQUIREMENTS
- VOLTAGE ..... 100, 117, 220, 240V, 50/60Hz
- CONSUMPTION ..... 80Watts (rated), 160VA(max.)

DIMENSIONS ..... 140mm (5 9/16") H,
460mm (18 1/8") W,
329mm (13") D

WEIGHT ..... 9.0 kg (19.8 lbs.) Net
10.7 kg (23.6 lbs.) Packed

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

# 2. BLOCK DIAGRAM AND VALUE OF EACH LEVEL




## Conditions of Level Measuring

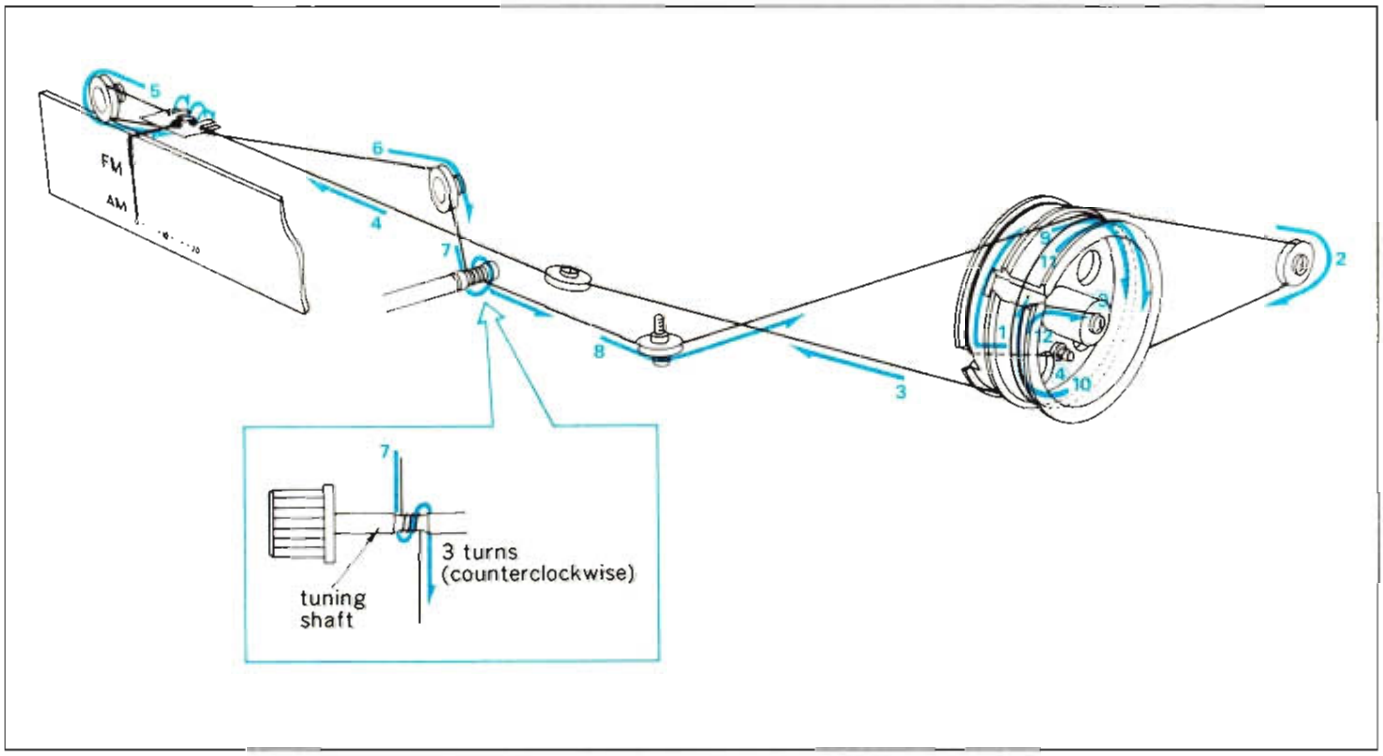
*Value of each level in block diagram was measured by the followings.

1. MASTER VOLUME control ....Maximum
2. BASS, TREBLE, BALANCE volume control ....Center
3. Input ....PHONO 2.5mV 1kHz Sine Wave AUX 140 mV 1kHz Sine Wave (output impedance of 600Ω at an audio oscillator)
4. Output ....10V (12W) 8Ω

**Note:** Each voltage value is for reference and measured by a VTVM. In some recorders, the actual voltage value is in minor difference from the reference value.

# 3. THREADING OF DIAL CORD

If dial cord is cut or slips, replace cord by following procedures. As QRX-2000 is used 0.6mm$\phi$ cord, please replace it with same type certainly.
* Length of dial cord.....approx. 170cm (67inch)




**1. Threading of Dial Cord**

Thread dial cord in numerical order from 1 to 12 as shown in Fig. 3-1.

1) Close the variable capacitor completely (Max. capacitance) and tie cord to number ④ screw of the dial pulley.
2) Thread cord in the direction of arrow from 1 to 6, then wind cord three turns around the tuning shaft counterclockwise.
3) Thread cord in the direction of arrow from 7 to 8, then wind it two turns on the dial pulley from 9 to 12.
4) After 12, tie cord to number ⑨ screw of the dial pulley.
   * When you perform procedure 4) successfully, please refer to the followings.
   ①To strengthen the dial cord tension, hold around the end of cord and pull it toward the Front Panel.
   ②Then, turn tuning shaft counterclockwise, as the cord tension will be more constantly obtained.
   ③Tie the cord to number ⑨ screw of the dial pulley (same as procedure 4).
5) After procedures, lock the knots of cord with paint.

| Stock No. | Description |
|---|---|
| 6036050 | Dial Cord (0.6mm$\phi$) |

# 4. ALIGNMENTS AND ADJUSTMENTS

## Abbreviation

**Equipment**

AM FM Generator Oscilloscope.....Genescope
AM Standard Signal Generator .....AM SSG
FM Standard Signal Generator .....FM SSG
FM Stereo Generator.....Stereo SG
Oscilloscope .....Scope
Audio Oscillator .....Audio Osci.
Distortion Meter .....Dist. Meter

**Others**

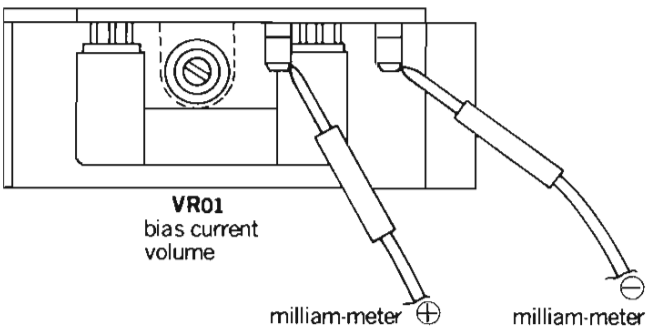
Clockwise .....CW.
Counterclockwise.....CCW.
Antenna .....ANT.
Modulation.....MOD.

## 4-1. Driver Circuit Board Adjustment (See Fig. 4-1)

**Note:** 1. Master Volume.....Minimum
2. Make the SP terminals free (no load).
3. Confirm the AC Power Supply voltage.
4. After adjustment, run the unit for more than 5 minutes, then check and readjust necessary.
5. Room temperature should be 18~28° (65~83°F) for bias current adjustment.

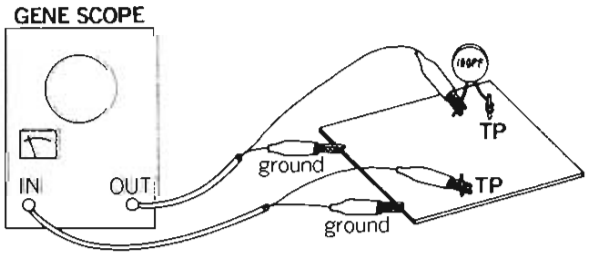
| STEP | SUBJECT | EQUIPMENT | MEASURE OUTPUT | ADJUST | ADJUST FOR | CONDITION |
|---|---|---|---|---|---|---|
| 1 | Bias current | DC milliammeter | F-1495 F01 (Fig. 4-1) | F-1495 VR01 | 19±1mA | ○Step down meter's range accordingly |

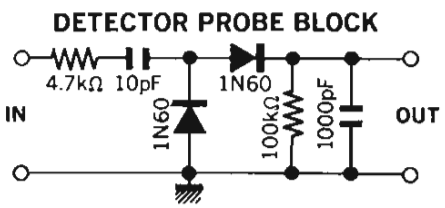
Fig. 4-1 F-1495




## 4-2. FM IF Alignment (See Figs. 4-6 and 4-7 on page 8)

**Note:** 1. Selector.....FM AUTO
2. Master Volume .....Minimum
3. Output level of genescope .....After attenuator
4. Sweepwidth.....1.5~2cm/150kHz
5. Frequency band .....9.5~11.5MHz
6. Connection .....Connect the output of genescope to TP.01 through 100pF ceramic capacitor.



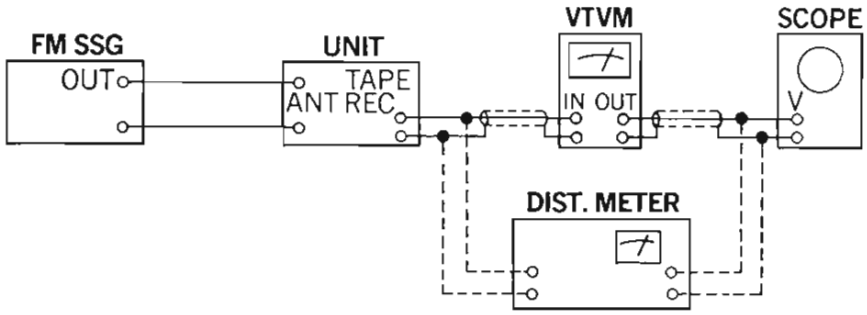



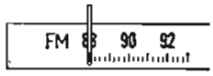
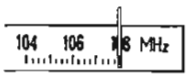

| STEP | SUBJECT | FEED SIGNAL FROM | FEED SIGNAL TO | MEASURE OUTPUT | ADJUST | ADJUST FOR | CONDITION |
|---|---|---|---|---|---|---|---|
| 1 | IF coil | Output 55dB Genescope | TP. 01 (Fig. 4-7) | TP. 02 (Fig. 4-7) Use Detector Probe | L05, L06 | Max. IF waveform 1 as Fig. 4-6 | ○Turn core of L10 CCW. |

| STEP | SUBJECT | FEED SIGNAL FROM | FEED SIGNAL TO | MEASURE OUTPUT | ADJUST | ADJUST FOR | CONDITION |
|---|---|---|---|---|---|---|---|
| 2 | Meter coil | Same as above | Same as above | TP. 05 (Fig. 4-7) Direct from Genescope | L10 | Max. IF waveform 2 Set the center of wavefrom 2 with waveform 1 as Fig. 4-6 | |
| 3 | Descriminator coil | Same as above | Same as above | TP. 03 (Fig. 4-7) Direct from Genescope | L07 L08 | Max. linearity of S curve Set the center of S curve waveform 1 & 2 as Fig. 4-6 | |

## 4-3. FM Dial Calibration, Mono Distortion and RF Alignment (See Fig. 4-7 on page 8)

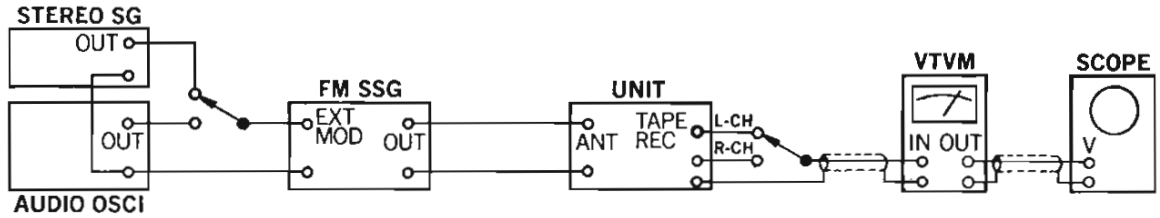
**Note:** 1. Selector.....FM AUTO
2. Master Volume .....Minimum
3. Confirm start point of dial pointer before alignment.
4. In Step 3, 4 and 5, readjust items of steps 1, 2, it not correctly, and repeat 3, 4 and 5 again.




| STEP | SUBJECT | FEED SIGNAL FROM | FEED SIGNAL TO | MEASURE OUTPUT | ADJUST | ADJUST FOR | CONDITION |
|---|---|---|---|---|---|---|---|
| 1 | 88MHz Dial Calibration | 88MHz ANT input 60dB 1kHz (100% MOD) FM SSG | ANT terminal 300Ω | REC OUT L or R-ch VTVM & Scope | L03 | Max. output | ∘Set Dial on 88MHz  |
| 2 | 108MHz Dial Calibration | 108MHz ANT input 60dB 1kHz (100% MOD) FM SSG | Same as above | Same as above | Trimmer TC03 | Same as above | ∘Set Dial on 108MHz  |
| 3 | Confirm 88MHz Dial Calibration | Same as Step 1 | Same as above | Same as above | | Confirm 88MHz Dial Calibration | ∘If not, repeat from Step 1 |
| 4 | Confirm 98MHz Dial Calibration | 98MHz ANT input 60dB 1kHz (100% MOD) FM SSG | Same as above | Same as above | | Confirm 98MHz Dial Calibration | |
| 5 | Confirm 108MHz Dial Calibration | Same as Step 2 | Same as above | Same as above | | Confirm 108MHz Dial Calibration | ∘If not, repeat from Step 2 |
| 6 | 88MHz RF Adj. | 88MHz ANT input 10dB 1kHz (100% MOD) FM SSG | Same as above | Same as above | L01, L02 | Max. output | ∘Tune FM SSG (Max. indication of Signal Meter) |
| 7 | 108MHz RF Adj. | 108MHz ANT input 10dB 1kHz (100% MOD) FM SSG | Same as above | Same as above | Trimmer TC01, TC02 | Same as above | Same as above |
| 8 | Distortion | 98MH ANT input 66dB 1kHz (100% MOD) FM SSG | Same as above | REC OUT L or R-ch Dist. meter & Scope | L07 | Min. distortion | Same as above |

## 4-4. MPX Alignment (See Fig. 4-7 on page 8)

**Note:** 1. Selector .....FM AUTO
2. Master Volume.....Minimum
3. Before adjustment, turn VR05 to center.

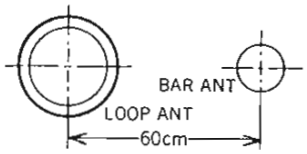


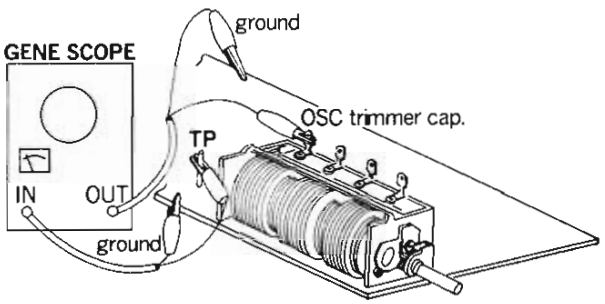

| STEP | SUBJECT | FEED SIGNAL FROM | FEED SIGNAL TO | MEASURE OUTPUT | ADJUST | ADJUST FOR | CONDITION |
|---|---|---|---|---|---|---|---|
| 1 | 19kHz coil | 98MHz ANT input 60dB FM SSG Pilot 19kHz (10% MOD) L-ch 1kHz (45% MOD) R-ch (0% MOD) Stereo SG | ANT terminnal 300Ω | REC OUT L-ch VTVM & Scope | L16 | Max. output | o Tune FM SSG (Max. indication |
| 2 | Separation | Same as above | Same as above | REC OUT R-ch VTVM & Scope | VR01 | Min. output | |
| 3 | Cofirm Separation | 98MHz ANT input 60dB FM SSG Pilot 19kHz (10% MOD) L-ch (0% MOD) R-ch 1kHz (45% MOD) Stereo SG | Same as above | REC OUT L-ch VTVM & Scope | | Min. output | o If less the 35dB, adjust VR01 |

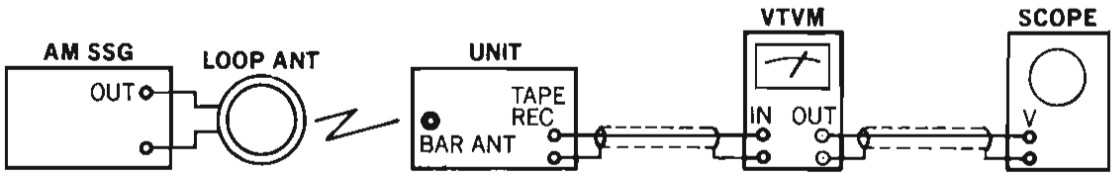
## 4-5. AM IF, Dial Calibration, RF Alignment (See Figs. 4-3, 4-4, 4-5 and 4-7 on page 8)

**Note:** 1. Selector.....AM
2. Master Volume .....Minimum
3. Confirm start point of dial pointer before alignment.
4. In case of using loop antenna, increase output of AM SSG for 26dB than bar antenna's direct input as it attenuates input sensitivity for 26dB (See Fig. 4-2).

Fig. 4-2





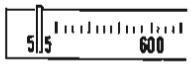

| STEP | SUBJECT | FEED SIGNAL FROM | FEED SIGNAL TO | MEASURE OUTPUT | ADJUST | ADJUST FOR | CONDITION |
|---|---|---|---|---|---|---|---|
| 1 | IF coil | Output 90dB Genescope | OSC trimmer cap. (TC05) (Fig. 4-7) | TP. 04 (Fig. 4-7) | L13 | Max. IF waveform as Fig. 4-3 | ○Turn core L14 & L15 CCW. |
| 2 | IF coil | Output 70dB Genescope | Same as above | Same as above | L14 | Max. IF waveform as Fig. 4-4 | |
| 3 | IF coil | Output 60dB Genescope | Same as above | Same as above | L15 | Max. IF waveform as Fig. 4-5 | ○If not, readjust L13 & L14 slightly |
| 4 | 535kHz Dial calibration | 535kHz ANT input 86dB 400Hz (30% MOD) AM SSG Use loop ANT | Bar ANT | REC OUT L or R-ch VTVM & Scope | L12 | Max. output | ○If broadcasting station is near, it might be used   |
| 5 | 1400kHz Dial Calibration | 1400kHz ANT input 86dB 400Hz (30% MOD) AM SSG Use loop ANT | Same as above | Same as above | Trimmer Cap. TC05 | Same as above | Same as above   |
| 6 | Confirm 600kHz Dial Calibration | 600kHz ANT input 86dB 400Hz (30% MOD) AM SSG Use loop ANT | Same as above | Same as above | | Confirm 600kHz Dial Calibration | ○If not, repeat from Step 4 |
| 7 | Confirm 1000kHz Dial Calibration | 1000kHz ANT input 86dB 400Hz (30% MOD) AM SSG Use loop ANT | Same as above | Same as above | | Confirm 1000kHz Dial Calibration | |
| 8 | Confirm 1400kHz Dial Calibration | Same as Step 5 | Same as above | Same as above | | Confirm 1400kHz Dial Calibration | ○If not, repeat from Step 5 |
| 9 | 600kHz RF Adj. | 600kHz ANT input 50dB 400Hz (30% MOD) AM SSG Use loop ANT | Same as above | Same as above | Bar ANT L701 | Max. output | |
| 10 | 1400kHz RF Adj. | 1400kHz ANT input 50dB 400Hz (30% MOD) AM SSG Use loop ANT | Same as above | Same as above | Trimmer Cap. TC04 | Same as above | |

Fig. 4-3

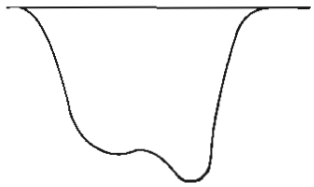


Fig. 4-4

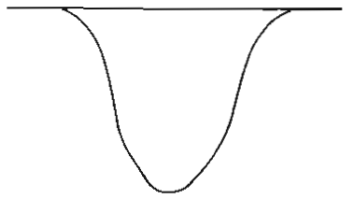


Fig. 4-5

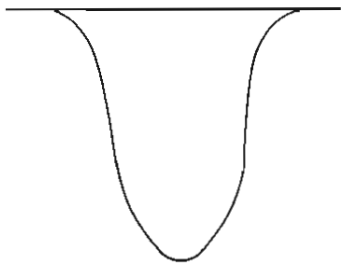


Fig. 4-6

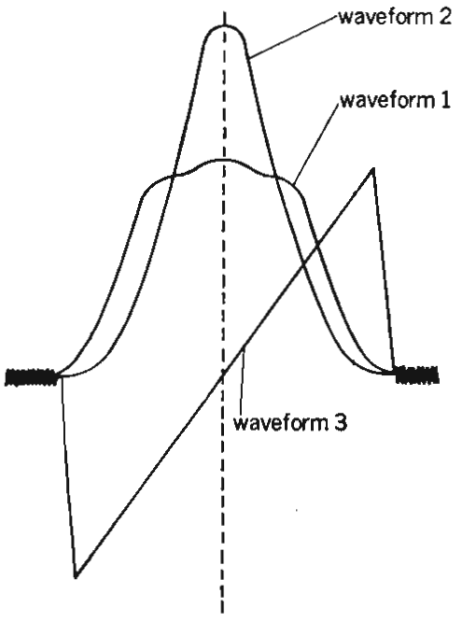
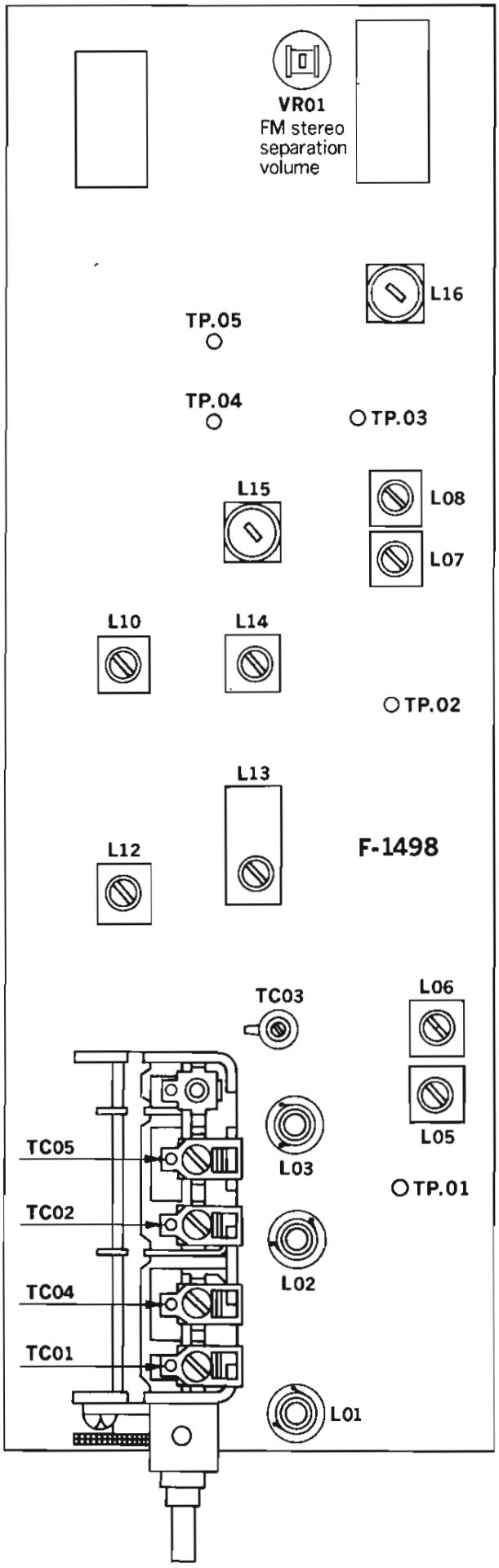



Fig. 4-7



# 5. TROUBLESHOOTING CHART

## 5-1. Troubleshooting on Power Supply Section

**Symptom** **Check Point** **Cause & What to Do**

### 1. No power supplied to each section

1-1. Each lamp not lighted
- 1. Imperfect contact of power supply plug
- 2. Defective power switch S702
- 3. Power fuse F701 opens
- 4. F01 on F-1497 opens
- 5. Defective power transformer T701

1-2. Each lamp lighted
- 1) +44V not supplied to collector of TR601 on F-1496 — 6. Defective D01~D04 on F-1497
- 2) +40V not supplied to emitter of TR601 on F-1496 — 7. Defective TR601 on F-1496
- 3) +38V not supplied to emitter of TR602 on F-1496 — 8. Defective TR602 on F-1496

## 5-2. Troubleshooting on Audio Section

### 1. Quick acting fuse open

1-1. After replacement, fuse opens again
- 9. Defective TR05 or TR06 on F-1495
- 10. Defective TR03 or TR04 on F-1495
- 11. Defective VS01 on F-1495
- 12. Defective VR01 on F-1495

1-2. After replacement, fuse opens
- 1) DC bias current adjustable — 13. Set the bias current to +10mA by VR01 on F-1495 (See page 5)
- 2) DC bias current not adjustable
  - 14. Defective VR01 on F-1495
  - 15. Defective TR02 on F-1495

### 2. Quick acting fuse not opens

2-1. +44V supplied to collector of TR05 on F-1495
- 1) Center voltage +21V not supplied — 16. Defective TR01 on F-1495

2-2. +44V not supplied to collector of TR05 on F-1495
- 17. F01 on F-1495 opens
- 18. Defective power supply section (F-1496)

### 3. AUX input inoperative (on 2-CH of FUNCTION switch)

3-1. Both channels inoperative — 19. Defective power supply section (F-1496)

3-2. One channel inoperative
- 20. Defective TR01 on F-1495
- 21. Defective VOLUME VR01 (VR02) on F-1496
- 22. Defective BALANCE volume VR05 (VR-06) on F-1496
- 23. Defective BASS volume VR09 (VR10) on F-1496
- 24. Defective TREBLE volume VR13 (VR14) on F-1496
- 25. Imperfect contact of FUNCTION switch S01 on F-1492
- 26. Imperfect contact of TAPE MONITOR switch S01 on F-1493
- 27. Imperfect contact of SELECTOR switch S701
- 28. Imperfect contact of LOUDNESS switch S02 on F-1492

| Symptom | Check Point | Cause & What to Do |
|---|---|---|

## 4. PHONO inoperative

4-1. Both channels inoperative → 29. Defective power supply section (F-1496)

4-2. One channel inoperative

1) Reverse the output cords of L and R-ch from turntable

- 1-1) Inoperative channel reverses
  - 30. Imperfect contact of the output cord
  - 31. Defective turntable
- 1-2) Inoperative channel not reverses
  - 32. Defective TR01, TR03 (TR02, TR04) on F-1493
  - 33. Imperfect contact of SELECTOR switch S701a (S701b)

# 5-3. QS SYNTHESIZER or QS REGULAR MATRIX of FUNCTION Switch inoperative (2-CH of FUNCTION switch inoperative)

## 1. Both Front L, R and Rear L, R inoperative

1-1. +25V not supplied to collector of TR603 on F-1492
- 34. F01 on F-1492 opens
- 35. Defective Power Supply Section (F-1496)

1-2. +25V not supplied to emitter of TR603 on F-1492
- 36. Defective TR603 on F-1492
- 37. Defective ZD01 on F-1492

## 2. One Front L (R) or Rear L (R) inoperative

- 38. Defective TR01 or TR03 (TR02 or TR04) on F-1492
- 39. Defective TR15, TR17 or TR19 (TR16, TR18 or TR20) on F-1492
- 40. Defective TR601 on F-1492
- 41. Defective D11, D13, D15 or D17 (D12, D14, D16 or D18) on F-1492
- 42. Defective FET01 (FET02) on F-1492
- 43. Defective TR13 (TR14) on F-1492
- 44. Defective TR05 or TR09 (TR06 or TR10) on F-1492
- 45. Defective TR07 or TR11 (TR08 or TR12) on F-1492
- 46. Imperfect contact of FUNCTION switch S01

# 5-4. Troubleshooting on Tuner Section

## 1. Both FM and AM inoperative (PHONO operative)

1-1. Both channels inoperative

- 1) +15V not supplied to terminal C, E and +25V not supplied to terminal F on F-1498
  - 1. Defective F-1492 or F-1497
- 2) +15V not supplied to terminal C, E on F-1498
  - 2. Imperfect contact of SELECTOR switch S701c

1-2. One channel inoperative

- 1) AM section inoperative
  - 3. Imperfect contact of SELECTOR switch S701a (S701b)
- 2) FM section inoperative
  - 4. Defective TR12 (TR13) on F-1498
  - 5. Defective Low Pass Filter, LPF01 on F-1498
  - 6. Defective LC01 on F-1498
  - 7. Imperfect connect of SELECTOR switch S701a (S701b)

| Symptom | Check Point | Cause & What to Do |
|---|---|---|

## 2. FM Section

2-1. FM inoperative only
- 1) Tune FM signal or FM broadcasting station
  - 1-1) Signal meter inoperative
    - 8. Defective CF01 or CF02 on F-1498
    - 9. Defective FET01, TR01~TR05 on F-1498
    - 10. Defective L01~L06 on F-1498
  - 1-2) Signal meter operative (Interstation noise too low compared with proper unit)
    - 11. Defective IC01 on F-1498
    - 12. Defective L07 or L08 on F-1498
    - 13. Defective D01 or D02 on F-1498

2-2. Signal meter inoperative (FM broadcasting sound can be heard)
- 14. Defective TR06 on F-1498
- 15. Defective L10 on F-1498
- 16. Defective D03 or D04 on F-1498
- 17. Defective signal meter

2-3. No channel separation on FM stereo broadcasting
* Confirm that SELECTOR switch is set to FM AUTO
- 1) Indicator lamp not lighted
  - 18. Defective IC02 on F-1498
  - 19. Defective L16 on F-1498
  - 20. Defective TR11 on F-1498
  - 21. Defective VR01 for indicator lamp on F-1498
  - 22. Defective the indicator lamp, PL701
  - 23. F01 on F-1497 opens
- 2) Indicator lamp lighted
  - 24. Defective TR11 on F-1498
  - 25. VR01 out of adjustment on F-1498

## 3. AM Section

3-1. AM inoperative
- 1) Interstation noise changes by touching the terminal [D] on F-1498
  - 1-1) No change
    - 26. Defective TR07, TR08 or TR10 on F-1498
    - 27. Defective L11, L14 or L15 on F-1498
    - 28. Defective D06 on F-1498
  - 1-2) Increase
    - 29. Defective bar antenna, L701
    - 30. Defective TR09 on F-1498
    - 31. Defective L12 on F-1498
    - 32. Variable capacitor shorted

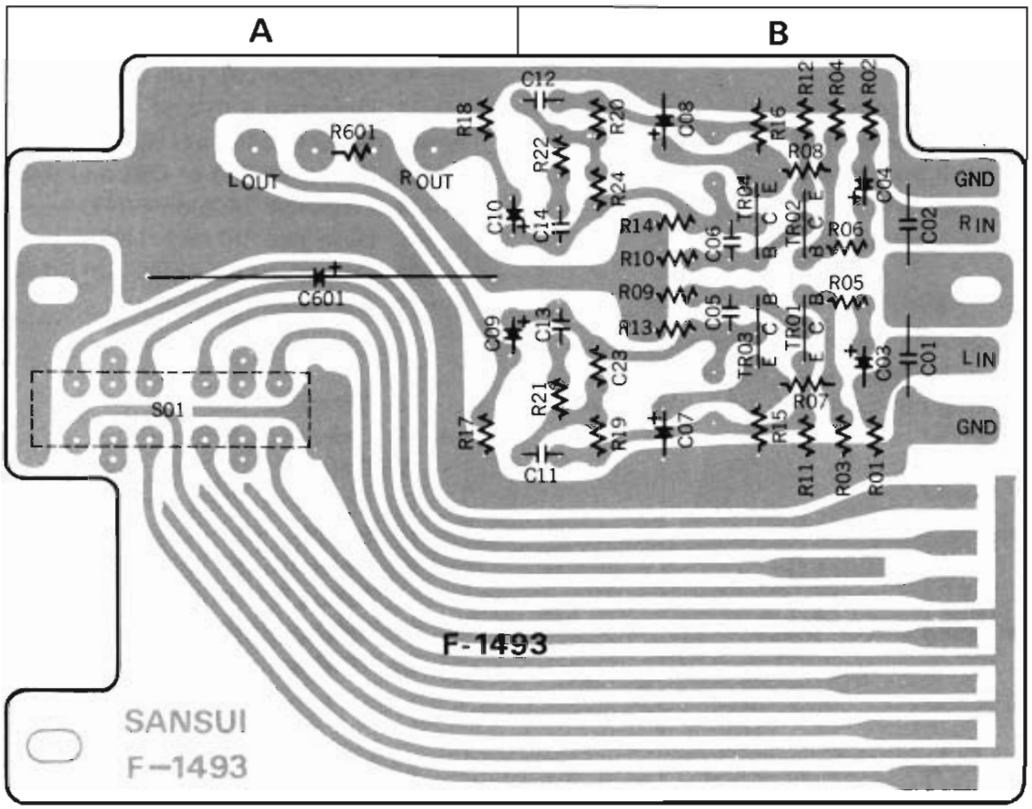
3-2. Distortion
- 33. Defective D05 or D06 on F-1498
- 34. IF out of adjustment on F-1498

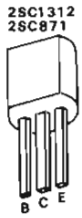
3-3. Signal meter inoperative (AM broadcasting sound can be heard)
- 35. Defective D07 on F-1498
- 36. Defective signal meter

# 6. PARTS LOCATIONS AND PARTS LISTS

## 6-1. F-1493 Equalizer Circuit Board (Stock No. 7550550 Complete Circuit Board F-1493)

### Conductor Side




### Parts List

| Parts No. | Stock No. | Description | | Position |
|---|---|---|---|---|
| TR01, 02 | 0306090 or 0305475 | 2SC1312 Ⓡ (F) or 2SC871 Ⓡ (F) | Transistor | B |
| TR03, 04 | 0306090 or 0305475 | 2SC1312 Ⓡ (F) or 2SC871 Ⓡ (F) | Transistor | B |
| C01, 02 | 0657473 | 0.047μF | 50V C.C. | A, B |
| C03, 04 | 0573339 | 3.3μF | 25V T.C. | B |
| C05, 06 | 0660680 | 68pF | 50V C.C. | B |
| C07, 08 | 0511470 | 47μF | 10V E.C. | B |
| C09, 10 | 0519103 | 0.47μF | 50V E.C. | A |
| C11, 12 | 0601476 | 0.0047μF | 50V M.C. | A, B |
| C13, 14 | 0601126 | 0.0012μF | 50V M.C. | B |
| C601 | 0504221 | 220μF | 35V E.C. | A |
| R01, 02 | 0106563 | 56kΩ | ¼W C.R. (E.L.R.) | B |
| R03, 04 | 0106224 | 220kΩ | ¼W C.R. (E.L.R.) | B |
| R05, 06 | 0106332 | 3.3kΩ | ¼W C.R. (E.L.R.) | B |
| R07, 08 | 0106824 | 820kΩ | ¼W C.R. (E.L.R.) | B |
| R09, 10 | 0106104 | 100kΩ | ¼W C.R. (E.L.R.) | B |
| R11, 12 | 0106122 | 1.2kΩ | ¼W C.R. (E.L.R.) | B |
| R13, 14 | 0106822 | 8.2kΩ | ¼W C.R. (E.L.R.) | B |
| R15, 16 | 0106272 | 2.7kΩ | ¼W C.R. (E.L.R.) | B |
| R17, 18 | 0106104 | 100kΩ | ¼W C.R. (E.L.R.) | A |
| R19, 20 | 0106824 | 820kΩ | ¼W C.R. (E.L.R.) | B |
| R21, 22 | 0106272 | 2.7kΩ | ¼W C.R. (E.L.R.) | B |
| R23, 24 | 0106563 | 56kΩ | ¼W C.R. (E.L.R.) | B |
| R601 | 0106561 | 560Ω | ¼W C.R. (E.L.R.) | A |
| S01 (a~d) | 1110250 | Push Switch | | A |

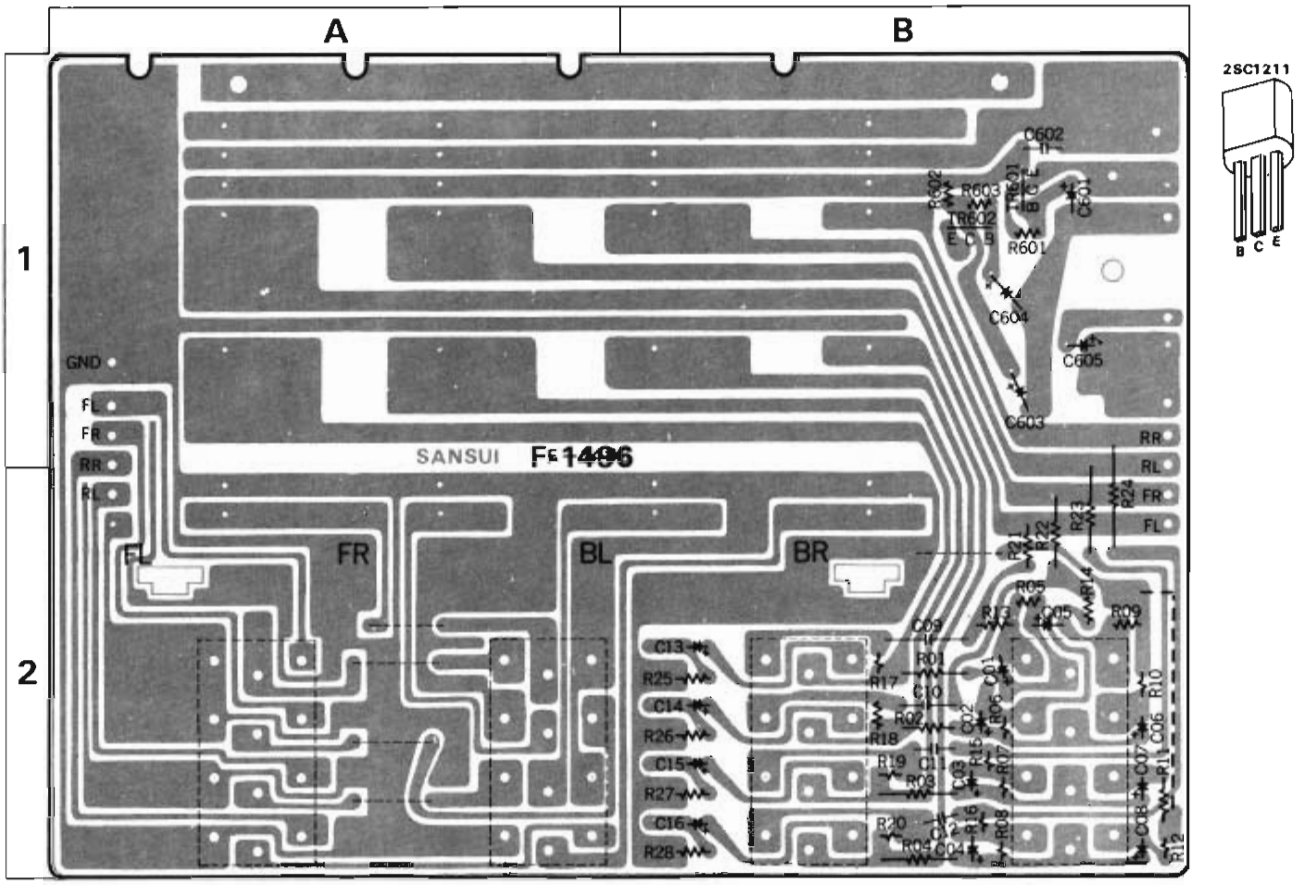
**Abbreviations**

| | | | | | |
|---|---|---|---|---|---|
| C.R. | : | Carbon Resistor | BP.E.C. | : | Bi-Polar Electrolytic Capacitor |
| S.R. | : | Solid Resistor | | | |
| Ce.R. | : | Cement Resistor | C.C. | : | Ceramic Capacitor |
| M.R. | : | Metallized Film Resistor | Mi.C. | : | Mica Capacitor |
| | | | O.C. | : | Oil Capacitor |
| M.C. | : | Mylar Capacitor | P.C. | : | Polystyrene Capacitor |
| E.C. | : | Electrolytic Capacitor | T.C. | : | Tantalum Capacitor |

## 6-2. F-1496 Tone Control & Power Supply Circuit Board

### Conductor Side

(Stock No. 7570830 Complete Circuit Board F-1496)




### Parts List

| Parts No. | Stock No. | Description | | Position |
|---|---|---|---|---|
| $TR_{601}$ | 0305930, 1 | 2SC1211 (C, D) | Transistor | 1 B |
| $TR_{602}$ | 0305930, 1 | 2SC1211 (C, D) | | 1 B |
| $C_{01,02}$ | 0573158 | 0.15μF | 25V T.C. | 2 B |
| $C_{03,04}$ | 0573158 | 0.15μF | | 2 B |
| $C_{05,06}$ | 0519104 | 1.5μF | 50V E.C. | 2 B |
| $C_{07,08}$ | 0519104 | 1.5μF | | 2 B |
| $C_{09,10}$ | 0601337 | 0.033μF | 50V M.C. | 2 B |
| $C_{11,12}$ | 0601337 | 0.033μF | | 2 B |
| $C_{13,14}$ | 0573338 | 0.33μF | 25V T.C. | 2 B |
| $C_{15,16}$ | 0573338 | 0.33μF | | 2 B |
| $C_{601}$ | 0515101 | 100μF | 50V E.C. | 1 B |
| $C_{602}$ | 0657473 | 0.047μF | 50V C.C. | 1 B |
| $C_{603}$ | 0515331 | 330μF | 50V E.C. | 1 B |
| $C_{604}$ | 0515331 | 330μF | | 1 B |
| $R_{01,02}$ | 0107561 | 560Ω | ¼W C.R. | 2 B |
| $R_{03,04}$ | 0107561 | 560Ω | | 2 B |
| $R_{05,06}$ | 0106123 | 12kΩ | ¼W C.R. (E.L.R.) | 2 B |
| $R_{07,08}$ | 0106123 | 12kΩ | | 2 B |
| $R_{09,10}$ | 0106151 | 150Ω | | 2 B |
| $R_{11,12}$ | 0106151 | 150Ω | | 2 B |
| $R_{13,14}$ | 0106561 | 560Ω | | 2 B |
| $R_{15,16}$ | 0106561 | 560Ω | | 2 B |

| Parts No. | Stock No. | Description | | Position |
|---|---|---|---|---|
| $R_{17,18}$ | 0106153 | 15kΩ | ¼W C.R. (E.L.R.) | 2 B |
| $R_{19,20}$ | 0106153 | 15kΩ | | 2 B |
| $R_{21}$ | 0106152 | 1.5kΩ | | 2 B |
| $R_{22}$ | 0107152 | 1.5kΩ | ¼W C.R. | 2 B |
| $R_{23,24}$ | 0107152 | 1.5kΩ | | 2B. 1, 2B |
| $R_{25,26}$ | 0106560 | 56Ω | ¼W C.R. (E.L.R.) | 2 B |
| $R_{27,28}$ | 0106560 | 56Ω | | 2 B |
| $R_{601}$ | 0106682 | 6.8kΩ | | 1 B |
| $R_{602}$ | 0106681 | 680Ω | | 1 B |
| $R_{603}$ | 0106123 | 12kΩ | | 1 B |
| $VR_{01\sim04}$ | 1060290, 1 | 250kΩ (B)×4 VOLUME | | |
| $VR_{05\sim08}$ | 1060300, 1 | 250kΩ (MN)×4 BALANCE Volume | | |
| $VR_{09\sim12}$ | 1060310, 1 | 5kΩ (C)×4 BASS Volume | | |
| $VR_{13\sim16}$ | 1060310, 1 | 5kΩ (C)×4 TREBLE Volume | | |
| | 2410570 | 5P Connector | | |

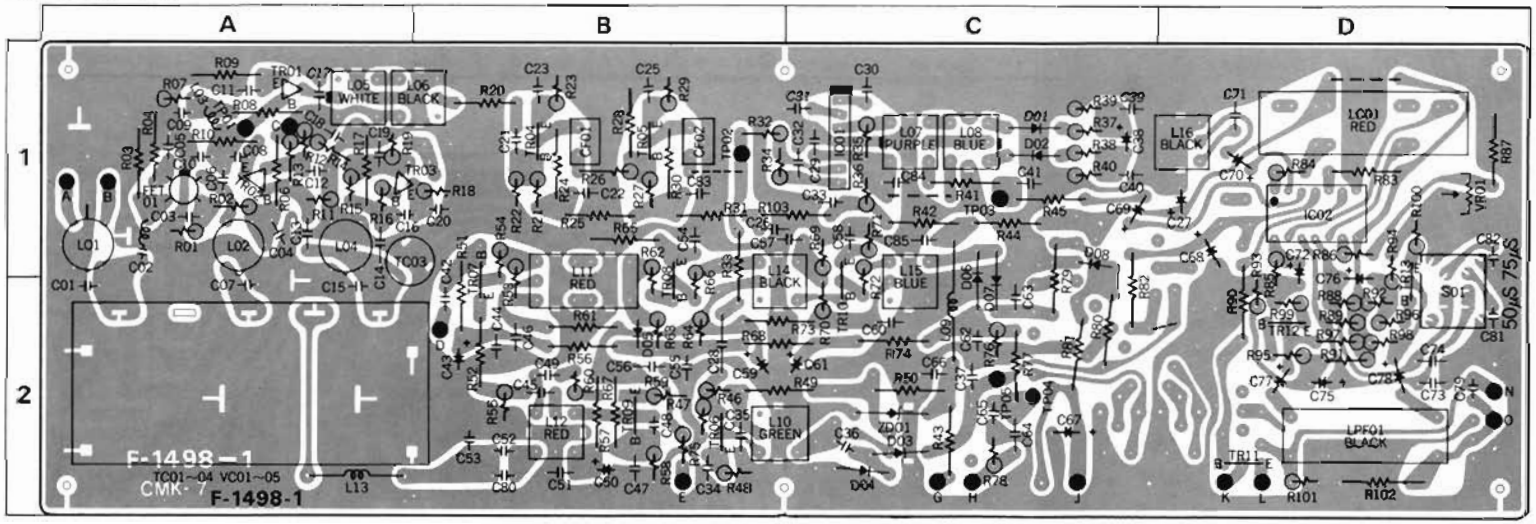
# 6-3. F-1498A Tuner Circuit Board (Stock No. 7520750 Complete Circuit Board F-1498A)

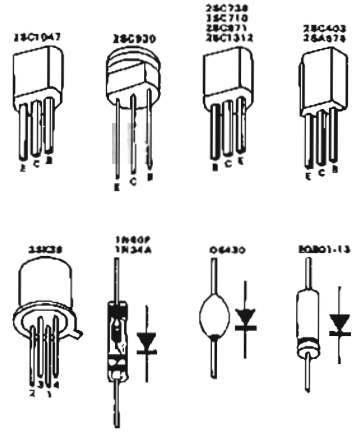
## Parts List

| Parts No. | Stock No. | Description | | | Position |
|---|---|---|---|---|---|
| TR01 | 0305801, 2 | 2SC1047 (B, C) | Transistor | | 1 A |
| TR02 | 0305791, 2 | 2SC930 (D, E) | | | 1 A |
| TR03 | 0305790 | 2SC930 (C) | | | 1 A |
| TR04 | 0306112, 3 | 2SC738 (C, D) | | | 1 B |
| TR05 | 0306112, 3 | 2SC738 (C, D) | | | 1 B |
| TR06 | 0305942, 3 | 2SC710 (C, D) | | | 2 B |
| TR07 | 0305992 | 2SC403C (4) | | | 1, 2 B |
| TR08 | 0305992 | 2SC403C (4) | | | 1, 2 B |
| TR09 | 0305991 | 2SC403C (3) | | | 2 B |
| TR10 | 0305991 | 2SC403C (3) | | | 1, 2 C |
| TR11 | 0300291, 2 | 2SA678A (6, 7) | | | 2 D |
| TR12 | 0305475 or 0306090 | 2SC871 Ⓡ (F) or 2SC1312 Ⓡ (F) | | | 2 D |
| IC01 | 0360060 | TA7061AP | IC | | 1 C |
| IC02 | 0360080 | HA1120 | IC | | 1 D |
| FET01 | 0370080, 1 | 3SK39 (Q, R) FET | | | 1 A |
| D01 | 0311060 | 1N60P | Diode | | 1 C |
| D02 | 0311060 | 1N60P | Diode | | 1 C |
| D03 | 0310400 | 1N34A | Diode | | 2 C |
| D04 | 0310400 | 1N34A | Diode | | 2 C |
| D05 | 0310400 | 1N34A | Diode | | 2 B |
| D06 | 0310400 | 1N34A | Diode | | 1, 2 C |
| D07 | 0310400 | 1N34A | Diode | | 1, 2 C |
| D08 | 0340090 | DS430 | Diode | | 1 C |
| ZD01 | 0315090 | EQB01-13 Zener Diode | | | 2 C |
| CF01 | 0910150 | SFE-10.7MA-M | Ceramic Filter | | 1 B |
| CF02 | 0910150 | SFE-10.7MA-M | Ceramic Filter | | 1 B |
| L01 | 4200570 | FM ANT Coil | | | 1 A |
| L02 | 4210200 | FM RF Coil | | | 1 A |
| L03 | 4290110 | Choke Coil | | | 1 A |
| L04 | 4220400 | FM OSC Coil | | | 1 A |
| L05 | 4235890 | 10.7MHz (WHITE) | FM IF Coil | | 1 A |
| L06 | 4235900 | 10.7MHz (BLACK) | FM IF Coil | | 1 A, B |
| L07 | 4235750 | 10.7MHz (PINK) | FM Discriminator Coil | | 1 C |
| L08 | 4235760 | 10.7MHz (BLUE) | FM Discriminator Coil | | 1 C |
| L09 | 4290011 | 3.5μF Peaking Coil | | | 1, 2 C |
| L10 | 4235770 | 10.7MHz (GREEN) FM Meter Coil | | | 2 B, C |
| L11 | 0910180 | YEL-455E2 (CFW-555B) Ceramic Filter | | | 1, 2 C |
| L12 | 4220380 | AM OSC Coil | | | 2 B |
| L13 | 4290011 | 3.5μH Peaking Coil | | | 2 A |
| L14 | 4230500 | 455kHz (BLUE) | AM IF Coil | | 1, 2B, C |
| L15 | 4230610 | 455kHz (BLACK) | AM IF Coil | | 1, 2 C |
| L16 | 4240720 | 19kHz Coil | | | 1 D |
| LC01 | 4240710 | MPX Coil | | | 1 D |
| LPF01 | 0910220 | Low Pass Filter | | | 2 D |
| TC03 | 1230090 | ECV-1ZW06P Ceramic Trimmer | | | 1 A, B |
| VC01~05 | 1220150 | Variable Capacitor | | | |
| C01 | 0669347 | 12pF | 50V C.C. | | 2 A |
| C02 | 0656102 | 0.001μF | 25V C.C. | | 1 A |
| C03 | 0656223 | 0.022μF | 25V C.C. | | 1 A |
| C04 | 0656223 | 0.022μF | 25V C.C. | | 1 A |
| C05 | 0656223 | 0.022μF | 25V C.C. | | 1 A |

| Parts No. | Stock No. | Description | | | Position |
|---|---|---|---|---|---|
| C06 | 0669209 | 8.2pF | 50V C.C. | | 1 A |
| C07 | 0669353 | 18pF | 50V C.C. | | 2 A |
| C08 | 0669347 | 12pF | 50V C.C. | | 1 A |
| C09 | 0660221 | 220pF | 50V C.C. | | 1 A |
| C10 | 0669353 | 18pF | 50V C.C. | | 1 A |
| C11 | 0656223 | 0.022μF | 25V C.C. | | 1 A |
| C12 | 0656223 | 0.022μF | 25V C.C. | | 1 A |
| C13 | 0669203 | 2.7pF | 50V C.C. | | 1 A |
| C14 | 0669370 | 10pF | 50V C.C. | | 1 A |
| C15 | 0669353 | 18pF | 50V C.C. | | 2 A |
| C16 | 0669370 | 10pF | 50V C.C. | | 1 A, B |
| C17 | 0656223 | 0.022μF | 25V C.C. | | 1 A |
| C18 | 0656223 | 0.022μF | 25V C.C. | | 1 A |
| C19 | 0656223 | 0.022μF | 25V C.C. | | 1 A |
| C20 | 0669320 | 10pF | 50V C.C. | | 1 B |
| C21 | 0656223 | 0.022μF | 25V C.C. | | 1 B |
| C22 | 0656223 | 0.022μF | 25V C.C. | | 1 B |
| C23 | 0656223 | 0.022μF | 25V C.C. | | 1 B |
| C24 | 0656223 | 0.022μF | 25V C.C. | | |
| C25 | 0656223 | 0.022μF | 25V C.C. | | 1 B |
| C26 | 0656223 | 0.022μF | 25V C.C. | | 1 B, C |
| C27 | 0512101 | 100μF | 16V E.C. | | 1 D |
| C28 | 0656223 | 0.022μF | 25V C.C. | | 2 B |
| C29 | 0656223 | 0.022μF | 25V C.C. | | 1 C |
| C30 | 0656223 | 0.022μF | 25V C.C. | | 1 C |
| C31 | 0656223 | 0.022μF | 25V C.C. | | 1 C |
| C32 | 0656223 | 0.022μF | 25V C.C. | | 1 C |
| C33 | 0656223 | 0.022μF | 25V C.C. | | 1 C |
| C34 | 0656223 | 0.022μF | 25V C.C. | | 2 B |
| C35 | 0656223 | 0.022μF | 25V C.C. | | 2 B |
| C36 | 0656223 | 0.022μF | 25V C.C. | | 2 C |
| C37 | 0656223 | 0.022μF | 25V C.C. | | 2 C |
| C38 | 0512100 | 10μF | 16V E.C. | | 1 C |
| C39 | 0660221 | 220pF | 50V C.C. | | 1 C |
| C40 | 0660221 | 220pF | 50V C.C. | | 1 C |
| C41 | 0660331 | 330pF | 50V C.C. | | 1 C |
| C42 | 0656223 | 0.022μF | 25V C.C. | | 2 B |
| C43 | 0615339 | 3.3μF | 50V E.C. | | 2 B |
| C44 | 0656473 | 0.047μF | 25V C.C. | | 2 B |
| C45 | 0601107 | 0.01μF | 50V M.C. | | 2 B |
| C46 | 0656473 | 0.047μF | 25V C.C. | | 2 B |
| C47 | 0656473 | 0.047μF | 25V C.C. | | 2 B |
| C48 | 0660100 | 10pF | 50V C.C. | | 2 B |
| C49 | 0601107 | 0.01μF | 50V M.C. | | 2 B |
| C50 | 0512100 | 10μF | 16V E.C. | | 2 B |
| C51 | 0656473 | 0.047μF | 25V C.C. | | 2 B |
| C52 | 0620361 | 360pF | 50V P.C. | | 2 B |
| C53 | 0660150 | 15pF | 50V C.C. | | 2 B |
| C54 | 0656473 | 0.047μF | 25V C.C. | | 1 B |
| C55 | 0656473 | 0.047μF | 25V C.C. | | 2 B |
| C56 | 0656473 | 0.047μF | 25V C.C. | | 2 B |
| C57 | 0656473 | 0.047μF | 25V C.C. | | 1 B, C |
| C58 | 0656473 | 0.047μF | 25V C.C. | | 2 C |
| C59 | 0512479 | 4.7μF | 16V E.C. | | 2 B |
| C60 | 0656473 | 0.047μF | 25V C.C. | | 2 C |
| C61 | 0512479 | 4.7μF | 16V E.C. | | 2 C |
| C62 | 0656473 | 0.047μF | 25V C.C. | | 2 C |
| C63 | 0656473 | 0.047μF | 25V C.C. | | 2 C |
| C64 | 0601477 | 0.047μF | 50V M.C. | | 2 C |
| C65 | 0656472 | 0.0047μF | 25V C.C. | | 2 C |
| C66 | 0656223 | 0.022μF | 25V C.C. | | 2 C |

## Conductor Side




## Conductor Side

| Parts No. | Stock No. | Description | Position |
|---|---|---|---|
| C67 | 0510101 | 100pF 6.3V E.C. | 2C |
| C68 | 0519101 | 1μF | 1D |
| C69 | 0515109 | 1μF 50V E.C. | 1C |
| C70 | 0515339 | 3.3μF | 1D |
| C71 | 0629001 | 6800pF 50V P.C. | 1D |
| C72 | 0512109 | 10μF 16V E.C. | 1D |
| C73 | 0601187 | 0.018μF 50V M.C. | 2D |
| C74 | 0601187 | 0.018μF | 2D |
| C75 | 0515109 | 1μF | 2D |
| C76 | 0515109 | 1μF 50V E.C. | 1D |
| C77 | 0515109 | 1μF | 2D |
| C78 | 0515109 | 1μF | 2D |
| C79 | 0601126 | 0.0012μF 50V M.C. | 2D |
| C80 | 0660150 | 15pF 50V C.C. | 2D |
| C81 | 0601826 | 0.0082μF 50V M.C. | 2D |
| C82 | 0601826 | 0.0082μF | 1D |
| C83 | 0656223 | 0.022μF | 1B |
| C84 | 0656223 | 0.022μF 25V C.C. | 1C |
| C85 | 0656223 | 0.022μF | 1C |
| R01 | 0106124 | 120kΩ ½W C.R. (E.L.R.) | 1A |
| R02 | 0106224 | 220kΩ | 1A |
| R03 | 0107124 | 120kΩ ½W C.R. | 1A |
| R04 | 0107101 | 100Ω | 1A |
| R06 | 0107221 | 220Ω | 1A |
| R07 | 0106562 | 5.6kΩ ½W C.R. (E.L.R.) | 1A |
| R08 | 0107123 | 12kΩ ½W C.R. | 1A |
| R09 | 0107392 | 3.9kΩ | 1A |
| R10 | 0107221 | 220Ω | 1A |
| R11 | 0106682 | 6.8kΩ ½W C.R. (E.L.R.) | 1A |
| R12 | 0106121 | 120Ω | 1A |
| R13 | 0106473 | 47kΩ | 1A |
| R14 | 0106102 | 1kΩ | 1A |

| Parts No. | Stock No. | Description | Position |
|---|---|---|---|
| R15 | 0106152 | 1.5kΩ ½W C.R. (E.L.R.) | 1A |
| R16 | 0106390 | 39Ω | 1A |
| R17 | 0107222 | 2.2kΩ ¼W C.R. | 1A |
| R18 | 0106102 | 1kΩ ½W C.R. (E.L.R.) | 1B |
| R19 | 0106471 | 470Ω | 1A |
| R20 | 0107221 | 220Ω ¼W C.R. | 1B |
| R21 | 0106332 | 3.3kΩ ¼W C.R. (E.L.R.) | 1B |
| R22 | 0106152 | 1.5kΩ | 1B |
| R23 | 0106102 | 1kΩ | 1B |
| R24 | 0107561 | 560Ω ¼W C.R. | 1B |
| R25 | 0107220 | 22Ω | 1B |
| R26 | 0106101 | 100Ω ¼W C.R. (E.L.R.) | 1B |
| R27 | 0106332 | 3.3kΩ | 1B |
| R28 | 0107152 | 1.5kΩ ¼W C.R. | 1B |
| R29 | 0106102 | 1kΩ ¼W C.R. (E.L.R.) | 1B |
| R30 | 0107102 | 1kΩ ¼W C.R. | 1B |
| R31 | 0107220 | 22Ω | 1B |
| R32 | 0106391 | 390Ω ¼W C.R. (E.L.R.) | 1B |
| R33 | 0107121 | 120Ω ¼W C.R. | 1, 2B |
| R34 | 0106271 | 270Ω | 1B |
| R35 | 0106562 | 5.6kΩ | 1C |
| R36 | 0106221 | 220Ω | 1C |
| R37 | 0106102 | 1kΩ ¼W C.R. (E.L.R.) | 1C |
| R38 | 0106102 | 1kΩ | 1C |
| R39 | 0106682 | 6.8kΩ | 1C |
| R40 | 0106682 | 6.8kΩ | 1C |
| R41 | 0107101 | 100Ω ½W C.R. | 1C |
| R42 | 0107101 | 100Ω | 1C |
| R43 | 0172121 | 120Ω 2W M.R. | 2C |
| R44 | 0107479 | 4.7Ω ¼W C.R. | 1C |
| R45 | 0107102 | 1kΩ | 1C |
| R46 | 0106153 | 15kΩ ¼W C.R. (E.L.R.) | 2B |

| Parts No. | Stock No. | Description | Position |
|---|---|---|---|
| R47 | 0106472 | 4.7kΩ ¼W C.R. (E.L.R.) | 2B |
| R48 | 0106102 | 1kΩ | 2B |
| R50 | 0107101 | 100Ω ½W C.R. | 2C |
| R51 | 0107103 | 10kΩ | 1, 2B |
| R52 | 0107220 | 22Ω ¼W C.R. | 2B |
| R53 | 0106334 | 330kΩ ¼W C.R. (E.L.R.) | 1, 2B |
| R54 | 0106561 | 560Ω | 1B |
| R55 | 0106102 | 1kΩ | 2B |
| R56 | 0107123 | 12kΩ ½W C.R. | 2B |
| R57 | 0107223 | 22kΩ | 2B |
| R58 | 0106472 | 47kΩ ¼W C.R. (E.L.R.) | 2B |
| R59 | 0106102 | 1kΩ | 2B |
| R60 | 0106100 | 10Ω | 2B |
| R61 | 0107221 | 220Ω ½W C.R. | 2B |
| R62 | 0106391 | 390Ω ¼W C.R. (E.L.R.) | 1, 2B |
| R63 | 0106103 | 10kΩ | 2B |
| R64 | 0106104 | 100kΩ | 2B |
| R65 | 0107102 | 1kΩ ¼W C.R. | 1B |
| R66 | 0106681 | 680Ω ½W C.R. (E.L.R.) | 1, 2B |
| R67 | 0107122 | 1.2kΩ ¼W C.R. | 2B |
| R68 | 0107822 | 8.2kΩ | 2B, C |
| R69 | 0106472 | 47kΩ | 1C |
| R70 | 0106153 | 15kΩ ¼W C.R. (E.L.R.) | 2C |
| R71 | 0106561 | 560Ω | 1C |
| R72 | 0106471 | 470Ω | 1, 2C |
| R73 | 0107221 | 220Ω ¾W C.R. | 2B, C |
| R74 | 0107103 | 10kΩ | 2C |
| R75 | 0106221 | 220Ω ¾W C.R. (E.L.R.) | 2B |
| R76 | 0106103 | 10kΩ | 2C |
| R77 | 0107102 | 1kΩ ½W C.R. | 2C |
| R78 | 0106473 | 47kΩ ¾W C.R. (E.L.R.) | 2C |
| R79 | 0107562 | 5.6kΩ ¼W C.R. | 1, 2C |

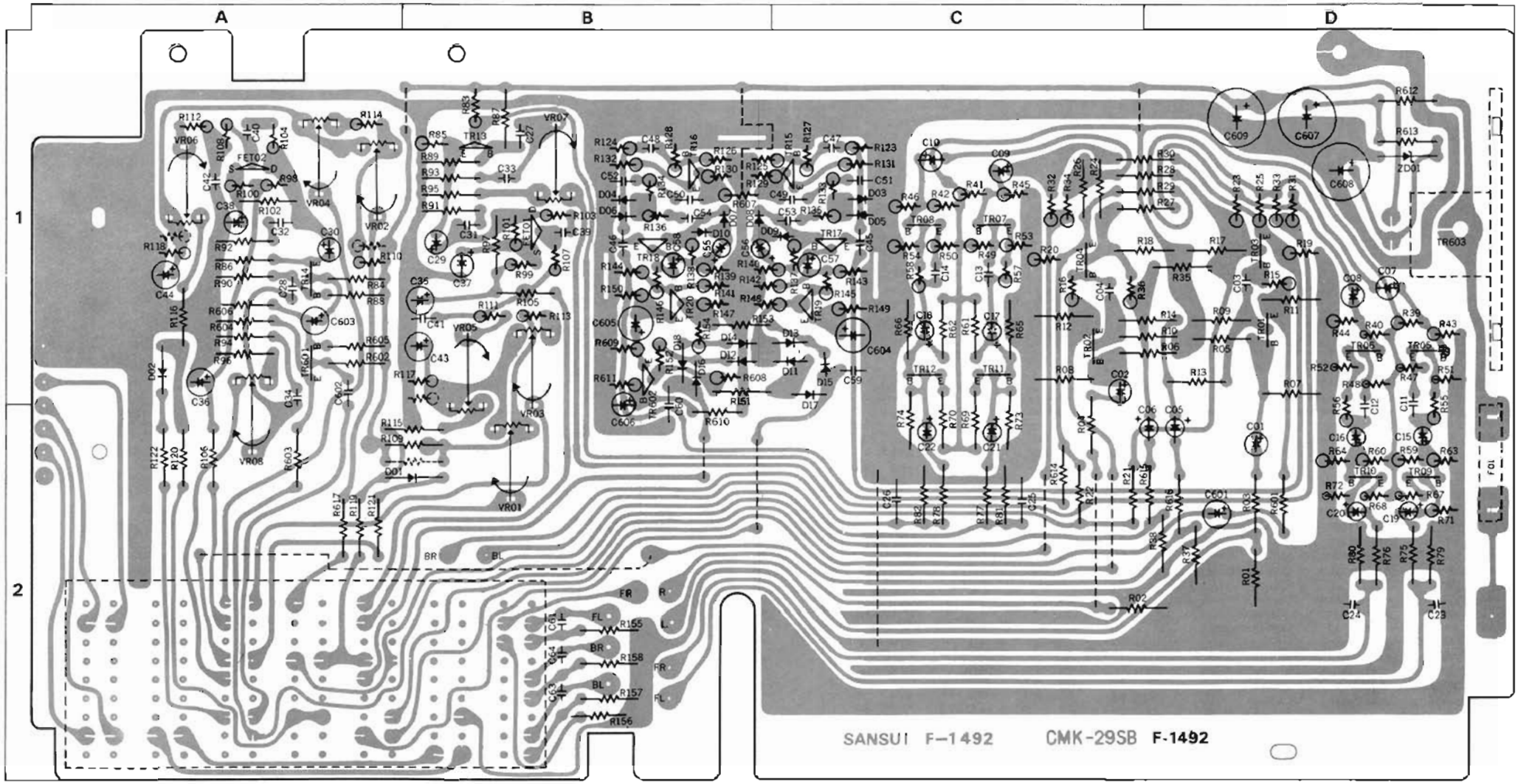
| Parts No. | Stock No. | Description | Position |
|---|---|---|---|
| R80 | 0107682 | 6.8kΩ ½W C.R. (E.L.R.) | 2C |
| R81 | 0107182 | 1.8kΩ | 2C |
| R82 | 0107473 | 47kΩ | 1, 2C |
| R83 | 0107473 | 47kΩ | 1D |
| R84 | 0106151 | 150Ω ½W C.R. (E.L.R.) | 1D |
| R85 | 0106472 | 4.7kΩ | 1, 2D |
| R86 | 0106151 | 150Ω ¼W C.R. (E.L.R.) | 1D |
| R88 | 0106332 | 3.3kΩ | 2D |
| R89 | 0106332 | 3.3kΩ | 2D |
| R90 | 0107392 | 3.9kΩ ¼W C.R. | 1, 2D |
| R91 | 0106184 | 180kΩ | 2D |
| R92 | 0106184 | 180kΩ | 2D |
| R93 | 0106273 | 27kΩ | 1, 2D |
| R94 | 0106273 | 27kΩ | 1, 2D |
| R95 | 0106332 | 3.3kΩ ½W C.R. | 2D |
| R96 | 0106332 | 3.3kΩ | 2D |
| R97 | 0106332 | 3.3kΩ | 2D |
| R98 | 0106332 | 3.3kΩ | 2D |
| R99 | 0106391 | 390Ω | 2D |
| R100 | 0106391 | 390Ω | 1D |
| R101 | 0107332 | 3.3kΩ ½W C.R. | 2D |
| R102 | 0107332 | 3.3kΩ ¼W C.R. (E.L.R.) | 2D |
| R103 | 0107220 | 22Ω ¼W C.R. | 1B, C |

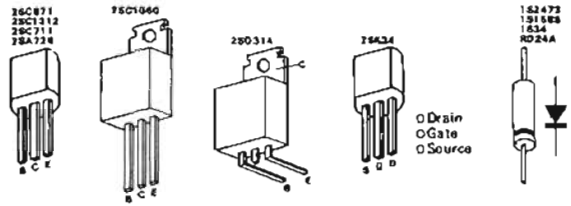
### Abbreviations

| | | | | | |
|---|---|---|---|---|---|
| C.R. | : | Carbon Resistor | BP.E.C. | : | Bi-Polar Electrolytic Capacitor |
| S.R. | : | Solid Resistor | C.C. | : | Ceramic Capacitor |
| Ce.R. | : | Cement Resistor | Mi.C. | : | Mica Capacitor |
| M.R. | : | Metallized Film Resistor | O.C. | : | Oil Capacitor |
| M.C. | : | Mylar Capacitor | P.C. | : | Polystyrene Capacitor |
| E.C. | : | Electrolytic Capacitor | T.C. | : | Tantalum Capacitor |

## 6-4. F-1492 Vario-Matrix Circuit Board (Stock No. 7650170 Complete Circuit Board F-1492)

Conductor Side




**Abbreviations:**

| | | | | | |
|---|---|---|---|---|---|
| C.R. | : | Carbon Resistor | BP.E.C. | : | Bi-Polar Electrolytic Capacitor |
| S.R. | : | Solid Resistor | | | |
| Ce.R. | : | Cement Resistor | C.C. | : | Ceramic Capacitor |
| M.R. | : | Metallized Film Resistor | Mi.C. | : | Mica Capacitor |
| | | | O.C. | : | Oil Capacitor |
| M.C. | : | Mylar Capacitor | P.C. | : | Polystyrene Capacitor |
| E.C. | : | Electrolytic Capacitor | T.C. | : | Tantalum Capacitor |

## Parts List

| Parts No. | Stock No. | Description | | Position |
|---|---|---|---|---|
| TR01, 02 | 0305475 or 0306090 | 2SC 871Ⓡ (F) or 2SC1312Ⓡ (F) | Transistor | 1D.1C |
| TR03, 04 | 0305475 or 0306090 | 2SC 871Ⓡ (F) or 2SC1312Ⓡ (F) | Transistor | 1D.1C |
| TR05 | 0300410 | 2SA 726Ⓡ (F) | Transistor | 1D |
| TR06, 07 | 0305475 or 0306090 | 2SC 871Ⓡ (F) or 2SC1312Ⓡ (F) | Transistor | 1D.1C |
| TR08 | 0300410 | 2SA 726Ⓡ (F) | Transistor | 1C |
| TR09, 10 | 0300410 | 2SA 726Ⓡ (F) | Transistor | 2D |
| TR11, 12 | 0300410 | 2SA 726Ⓡ (F) | Transistor | 1C |
| TR13, 14 | 0305475 or 0306090 | 2SC 871Ⓡ (F) or 2SC1312Ⓡ (F) | Transistor | 1B.1A |
| TR15, 16 | 0305731 | 2SC 711 (F) | Transistor | 1C.1B |
| TR17, 18 | 0305731 | 2SC 711 (F) | Transistor | 1C.1B |
| TR19, 20 | 0305732 | 2SC 711 (F) | Transistor | 1C.1B |
| TR601 | 0305475 or 0306090 | 2SC 871Ⓡ (F) or 2SC1312Ⓡ (F) | Transistor | 1A |
| TR602 | 0305732 | 2SC 711 (F) | Transistor | 1B |
| TR603 | 0305711, 2 or 0308412, 3 | 2SC1060 (B, C) or 2SD 314 (D, E) | Transistor | 1D |
| FET01, 02 | 0370140, 1 | 2SK34 (D, E) | FET | |
| D01, 02 | 0311160 or 0311180 | 1S2473 or 1S1588 | Diode | 2AB.1A |
| D03, 04 | 0311190 | 1S34 | Diode | 1C.1B |
| D05, 06 | 0311190 | 1S34 | Diode | 1C.1B |
| D07, 08 | 0311160 or 0311180 | 1S2473 or 1S1588 | Diode | 1B |
| D09, 10 | 0311160 or 0311180 | 1S2473 or 1S1588 | Diode | 1C.1B |
| D11, 12 | 0311160 or 0311180 | 1S2473 or 1S1588 | Diode | 1C.1B |
| D13, 14 | 0311160 or 0311180 | 1S2473 or 1S1588 | Diode | 1C.1B |
| D15, 16 | 0311160 or 0311180 | 1S2473 or 1S1588 | Diode | 1C.1B |
| D17, 18 | 0311160 or 0311180 | 1S2473 or 1S1588 | Diode | 1C.1B |
| ZD01 | 0315420 | RD24A (N) | Zener Diode | 1D |
| C01, 02 | 0519103 | 0.47μF | 50V E.C. | 2D.1C |
| C03, 04 | 0601107 | 0.01μF | 50V M.C. | 1D.1C |
| C05, 06 | 0573108 | 0.1μF | 25V T.C. | 2D.2DC |
| C07, 08 | 0515109 | 1μF | 50V E.C. | 1D |
| C09, 10 | 0515109 | 1μF | 50V E.C. | 1C |
| C11, 12 | 0601607 | 0.06μF | 50V M.C. | 1, 2D |
| C13, 14 | 0601126 | 0.0012μF | 50V M.C. | 1C |
| C15, 16 | 0519103 | 0.47μF | 50V E.C. | 2D |
| C17, 18 | 0519103 | 0.47μF | 50V E.C. | 1C |

| Parts No. | Stock No. | Description | | Position |
|---|---|---|---|---|
| C19, 20 | 0519103 | 0.47μF | 50V E.C. | 2D |
| C21, 22 | 0519103 | 0.47μF | 50V E.C. | 2C |
| C23, 24 | 0601106 | 0.001μF | 50V M.C. | 2D |
| C25, 26 | 0601106 | 0.001μF | 50V M.C. | 2C |
| C27, 28 | 0601477 | 0.047μF | 50V M.C. | 1B.1A |
| C29, 30 | 0513479 | 4.7μF | 25V E.C. | 1B.1A |
| C31, 32 | 0601397 | 0.039μF | 50V M.C. | 1B.1A |
| C33, 34 | 0620681 | 680pF | 50V P.C. | 1B.1,2A |
| C35, 36 | 0513100 | 10μF | 25V E.C. | 1B.1A |
| C37, 38 | 0513479 | 4.7μF | 25V E.C. | 1B.1A |
| C39, 40 | 0601226 | 0.0022μF | 50V M.C. | 1B.1A |
| C41 | 0601397 | 0.039μF | 50V M.C. | 1B |
| C42 | 0601186 | 0.0018μF | 50V M.C. | 1A |
| C43, 44 | 0513100 | 10μF | 25V E.C. | 1B.1A |
| C45, 46 | 0601106 | 0.001μF | 50V M.C. | 1C.1B |
| C47, 48 | 0601206 | 0.002μF | 50V M.C. | 1C.1B |
| C49, 50 | 0601477 | 0.047μF | 50V M.C. | 1C.1B |
| C51, 52 | 0601206 | 0.002μF | 50V M.C. | 1C.1B |
| C53, 54 | 0601477 | 0.047μF | 50V M.C. | 1C.1B |
| C55, 56 | 0573228 | 0.22μF | 25V T.C. | 1B |
| C57, 58 | 0513479 | 4.7μF | 25V E.C. | 1C.1B |
| C59, 60 | 0601477 | 0.047μF | 50V M.C. | 1C.1,2B |
| C61, 62 | 0601227 | 0.022μF | 50V M.C. | 2B |
| C63, 64 | 0601227 | 0.022μF | 50V M.C. | 2B |
| C65, 66 | 0620181 | 180pF | 50V P.C. | |
| C67, 68 | 0620181 | 180pF | 50V P.C. | |
| C601 | 0513100 | 10μF | 25V E.C. | 2D |
| C602 | 0601476 | 0.0047μF | 50V M.C. | 1, 2A |
| C603 | 0519102 | 3.3μF | 50V E.C. | 1A |
| C604 | 0510101 | 100μF | 6.3V E.C. | 1C |
| C605 | 0510101 | 100μF | 6.3V E.C. | 1B |
| C606 | 0513479 | 4.7μF | 25V E.C. | 1, 2B |
| C607 | 0515101 | 100μF | 50V E.C. | 1D |
| C608 | 0513221 | 220μF | 25V E.C. | 1D |
| C609 | 0513221 | 220μF | 25V E.C. | 1D |
| R01, 02 | 0107104 | 100kΩ | ¼W C.R. | 2D.2CD |
| R03, 04 | 0107222 | 2.2kΩ | ¼W C.R. | 2D.1,2C |
| R05, 06 | 0107224 | 220kΩ | ¼W C.R. | 1D.1CD |
| R07, 08 | 0107104 | 100kΩ | ¼W C.R. | 1D.1C |
| R09, 10 | 0107222 | 2.2kΩ | ¼W C.R. | 1D.1CD |
| R11, 12 | 0107222 | 2.2kΩ | ¼W C.R. | 1D.1C |
| R13, 14 | 0107224 | 220kΩ | ¼W C.R. | 1D.1CD |
| R15, 16 | 0106223 | 22kΩ | ¼W C.R. (E.L.R.) | 1D.1C |
| R17, 18 | 0107152 | 1.5kΩ | ¼W C.R. | 1D.1CD |
| R19, 20 | 0106152 | 1.5kΩ | ¼W C.R. (E.L.R.) | 1D.1C |
| R21, 22 | 0107224 | 220kΩ | ¼W C.R. | 2C |
| R23 | 0106104 | 100kΩ | ¼W C.R. (E.L.R.) | 1D |
| R24 | 0107104 | 100kΩ | ¼W C.R. | 1C |
| R25 | 0106104 | 100kΩ | ¼W C.R. (E.L.R.) | 1D |
| R26 | 0107104 | 100kΩ | ¼W C.R. | 1C |
| R27, 28 | 0107104 | 100kΩ | ¼W C.R. | 1C, D |
| R29, 30 | 0107104 | 100kΩ | ¼W C.R. | 1C, D |
| R31, 32 | 0106563 | 56kΩ | ¼W C.R. (E.L.R.) | 1D.1C |
| R33, 34 | 0106563 | 56kΩ | ¼W C.R. (E.L.R.) | 1D.1C |
| R35 | 0107224 | 220kΩ | ¼W C.R. | 1D |
| R36 | 0106224 | 220kΩ | ¼W C.R. (E.L.R.) | 1C |
| R37, 38 | 0107474 | 470kΩ | ¼W C.R. | 2D |

to be continued

## F-1492 Parts List

| Parts No. | Stock No. | | Description | Position |
|---|---|---|---|---|
| R39 | 0106104 | 100kΩ | | 1 D |
| R40 | 0106224 | 220kΩ | | 1 D |
| R41 | 0106224 | 220kΩ | | 1 C |
| R42 | 0106104 | 100kΩ | | 1 C |
| R43 | 0106224 | 220kΩ | | 1 D |
| R44 | 0106104 | 100kΩ | | 1 D |
| R45 | 0106104 | 100kΩ | | 1 C |
| R46 | 0106224 | 220kΩ | ¼W C.R. (E.L.R.) | 1 D |
| R47, 48 | 0106682 | 6.8kΩ | | 1 D |
| R49, 50 | 0106682 | 6.8kΩ | | 1 C |
| R51, 52 | 0106682 | 6.8kΩ | | 1 D |
| R53, 54 | 0106682 | 6.8kΩ | | 1 C |
| R56, 56 | 0106223 | 22kΩ | | 1, 2 D |
| R57, 58 | 0106153 | 15kΩ | | 1 C |
| R59, 60 | 0106394 | 390kΩ | | 2 D |
| R61, 62 | 0107394 | 390kΩ | ¼W C.R. | 1 C |
| R63, 64 | 0106824 | 820kΩ | ¼W C.R. (E.L.R.) | 2 D |
| R65, 66 | 0107824 | 820kΩ | ¼W C.R. | 1 C |
| R67, 68 | 0106102 | 1kΩ | ¼W C.R. (E.L.R.) | 2 D |
| R69, 70 | 0107102 | 1kΩ | ¼W C.R. | 1, 2 C |
| R71, 72 | 0106272 | 2.7kΩ | ¼W C.R. (E.L.R.) | 2 D |
| R73, 74 | 0107272 | 2.7kΩ | | 1, 2 C |
| R75, 76 | 0107222 | 2.2kΩ | | 2 D |
| R77, 78 | 0107222 | 2.2kΩ | ¼W C.R. | 2 C |
| R79, 80 | 0107105 | 1MΩ | | 2 D |
| R81, 82 | 0107105 | 1MΩ | | 2 C |
| R83 | 0106472 | 4.7kΩ | ¼W C.R. (E.L.R.) | 2 B |
| R84 | 0107472 | 4.7kΩ | ¼W C.R. | 1 A |
| R85 | 0106222 | 2.2kΩ | ¼W C.R. (E.L.R.) | 2 B |
| R86 | 0107272 | 2.7kΩ | | 1 A |
| R87 | 0107184 | 180kΩ | | 2 B |
| R88 | 0107154 | 150kΩ | | 1 A |
| R89, 90 | 0107473 | 47kΩ | ¼W C.R. | 2 B . 1 A |
| R91, 92 | 0107151 | 150Ω | | 2 B . 1 A |
| R93, 94 | 0107153 | 15kΩ | | 2 B . 1 A |
| R95, 96 | 0107153 | 15kΩ | | 2 B . 1 A |
| R97 | 0107153 | 15kΩ | | 2 B |
| R98 | 0106153 | 15kΩ | | 1 A |
| R99, 100 | 0106123 | 12kΩ | ¼W C.R. (E.L.R.) | 2 B . 1 A |
| R101 | 0106333 | 33kΩ | | 2 B |
| R102 | 0107333 | 33kΩ | ¼W C.R. | 1 A |
| R103, 104 | 0106105 | 1MΩ | ¼W C.R. (E.L.R.) | 2 B . 1 A |
| R105, 106 | 0107103 | 10kΩ | ¼W C.R. | 2 B . 2 A |
| R107, 108 | 0106105 | 1MΩ | ¼W C.R. (E.L.R.) | 2 B . 1 A |
| R109 | 0107682 | 6.8kΩ | ¼W C.R. | 2 A . B |
| R110 | 0106682 | 6.8kΩ | | 1 A |
| R111, 112 | 0106334 | 330kΩ | ¼W C.R. (E.L.R.) | 2 B . 1 A |
| R113, 114 | 0106101 | 100Ω | | 2 B . 1 A |
| R115, 116 | 0107474 | 470kΩ | ¼W C.R. | 2AB. 1A |
| R117, 118 | 0106183 | 18kΩ | ¼W C.R. (E.L.R.) | 2 B . 1 A |
| R119, 120 | 0107224 | 220kΩ | ¼W C.R. | 2 A |
| R121, 122 | 0107564 | 560kΩ | | 2 A |
| R123, 124 | 0106683 | 68kΩ | | 1 C . 2 B |
| R125, 126 | 0106105 | 1MΩ | ¼W C.R. (E.L.R.) | 1BC. 2B |
| R127, 128 | 0106224 | 220kΩ | | 1 C . 2 B |
| R129, 130 | 0106223 | 22kΩ | ¼W C.R. (E.L.R.) | 1BC. 1B |

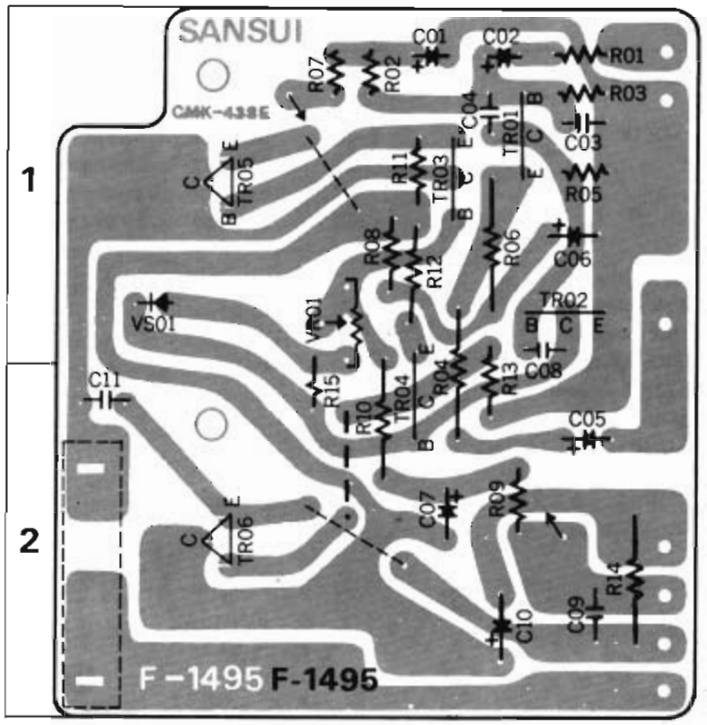
| Parts No. | Stock No. | | Description | Position |
|---|---|---|---|---|
| R131, 132 | 0106103 | 10kΩ | ¼W C.R. (E.L.R.) | 1 C . 2 B |
| R133, 134 | 0106472 | 4.7kΩ | | 1 C . 2 B |
| R135, 136 | 0106472 | 4.7kΩ | | 1 C . 2 B |
| R137, 138 | 0110685 | 6.8MΩ | ¼W S.R. | 1 C . 1 B |
| R139, 140 | 0106333 | 33kΩ | | 1B. 1BC |
| R141 | 0106104 | 100kΩ | | 1 B |
| R142 | 0106224 | 220kΩ | | 1 B C |
| R143 | 0106153 | 15kΩ | ¼W C.R. (E.L.R.) | 1 C |
| R144 | 0106333 | 33kΩ | | 2 B |
| R145, 146 | 0106123 | 12kΩ | | 1 C . 2 B |
| R147, 148 | 0106472 | 4.7kΩ | | 1B. 1BC |
| R149, 150 | 0106102 | 1kΩ | | 1 C . 2 B |
| R151 | 0107104 | 100kΩ | ¼W C.R. | 1 B |
| R152 | 0106104 | 100kΩ | ¼W C.R. (E.L.R.) | 2 B |
| R153 | 0107104 | 100kΩ | ¼W C.R. | 1 B |
| R154 | 0106104 | 100kΩ | ¼W C.R. (E.L.R.) | 1 B |
| R155, 156 | 0107333 | 33kΩ | | 2 B |
| R157, 158 | 0107333 | 33kΩ | | 2 B |
| R601 | 0107822 | 8.2kΩ | | 2 D |
| R602 | 0107152 | 1.5kΩ | ¼W C.R. | 1 A |
| R603 | 0107472 | 4.7kΩ | | 2 A |
| R604 | 0107152 | 1.5kΩ | | 1 A |
| R605 | 0107224 | 220kΩ | | 1 A |
| R606 | 0107104 | 100kΩ | | 1 A |
| R607 | 0106105 | 1MΩ | | 1 B |
| R608 | 0106472 | 4.7kΩ | ¼W C.R. (E.L.R.) | 1 B |
| R609 | 0106102 | 1kΩ | | 2 B |
| R610 | 0107224 | 220kΩ | ¼W C.R. | 2 B |
| R611 | 0106333 | 33kΩ | ¼W C.R. (E.L.R.) | 2 B |
| R612 | 0107152 | 1.5kΩ | | 1 D |
| R613 | 0107152 | 1.5kΩ | | 1 D |
| R614 | 0107479 | 4.7Ω | ¼W C.R. | 2 C |
| R615 | 0107479 | 4.7Ω | | 2 D |
| R616 | 0107479 | 4.7Ω | | 2 D |
| R617 | 0107479 | 4.7Ω | | 2 A |
| VR01 | 1032490 | 20kΩ (B) | Semi-Variable Resistor | 2 B |
| VR02 | 1032490 | 20kΩ (B) | | 1 A |
| VR03 | 1032490 | 20kΩ (B) | | 1, 2 B |
| VR04 | 1032490 | 20kΩ (B) | | 1 A |
| VR05 | 1032560 | 1MΩ (B) | | 1, 2 B |
| VR06 | 1032560 | 1MΩ (B) | | 1 A |
| VR07 | 1032520 | 100kΩ (B) | | 1 B |
| VR08 | 1032520 | 100kΩ (B) | | 1, 2 A |
| S01 (a~c) | 1130800 | Push Switch (7 Stage) | | |
| | 2410570 | 5P Connector | | |

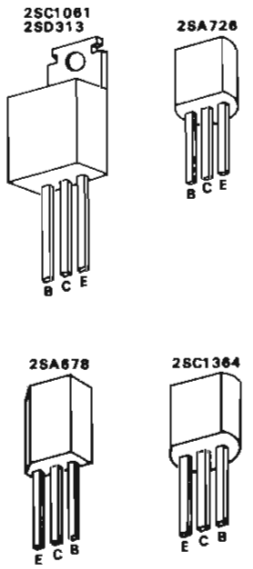
### Abbreviations

| | | | | | |
|---|---|---|---|---|---|
| C.R. | : | Carbon Resistor | BP.E.C. | : | Bi-Polar Electrolytic Capacitor |
| S.R. | : | Solid Resistor | | | |
| Ce.R. | : | Cement Resistor | C.C. | : | Ceramic Capacitor |
| M.R. | : | Metallized Film Resistor | MI.C. | : | Mica Capacitor |
| | | | O.C. | : | Oil Capacitor |
| M.C. | : | Mylar Capacitor | P.C. | : | Polystyrene Capacitor |
| E.C. | : | Electrolytic Capacitor | T.C | : | Tantalum Capacitor |

## 6-5. F-1495 Driver Circuit Board (Stock No. 7570820 Complete Circuit Board F-1495)

### Conductor Side




### Parts List

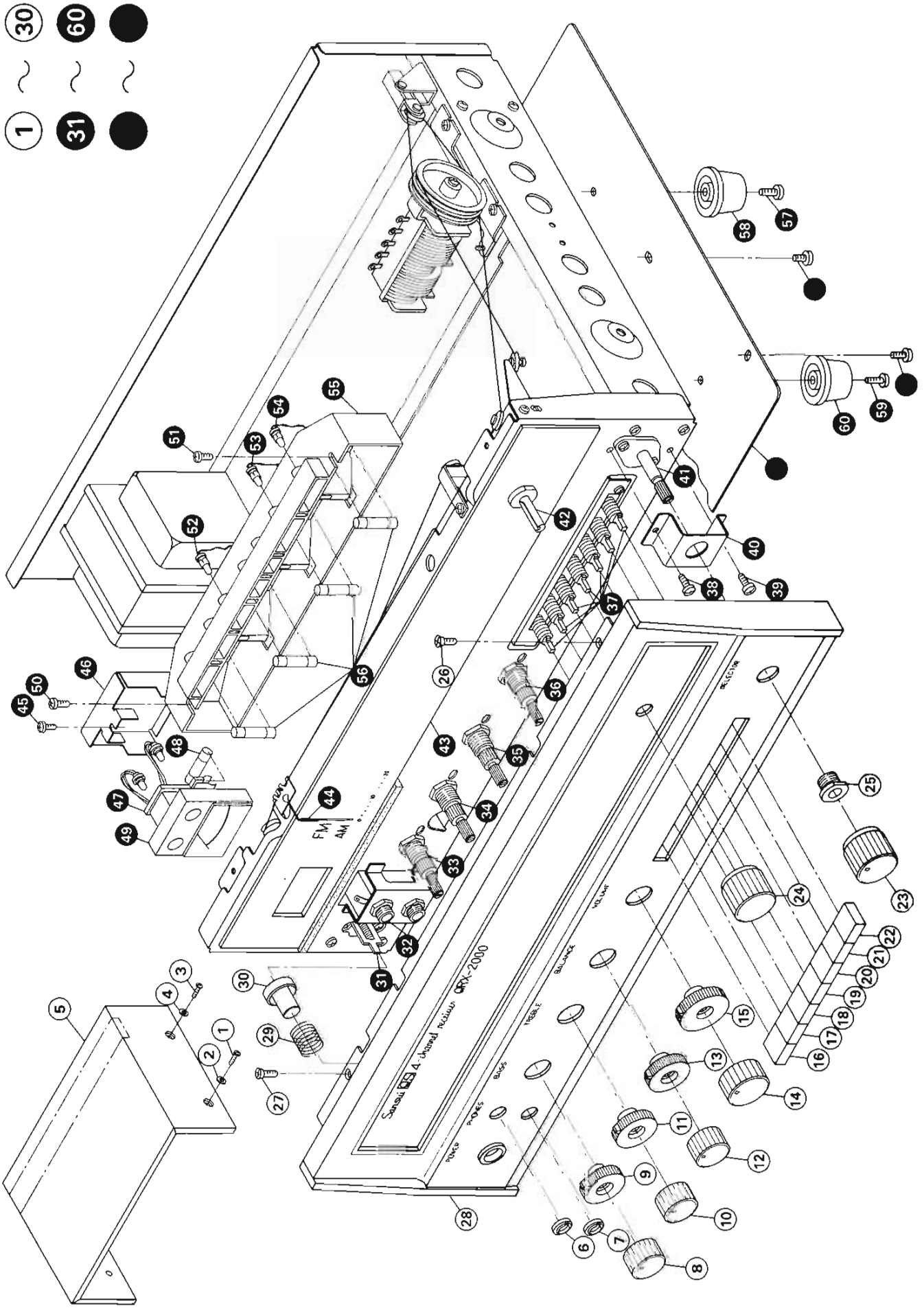
| Parts No. | Stock No. | Description | | Position |
|---|---|---|---|---|
| TR01 | 0300410 | 2SA726Ⓡ (F) | | 1 |
| TR02 | 0306131, 2 | 2SC1364 (6, 7) | | 1 |
| TR03 | 0306131, 2 | 2SC1364 (6, 7) | | 1 |
| TR04 | 0300291, 2 | 2SA678A (6, 7) | Transistor | 1, 2 |
| TR05,06 | 0305771, 2 or 0308391, 2 | 2SC1061 (B, C) or 2SD313 (D, E) | | 1, 2 |
| VS01 | 0340110 | SV03F Varistor | | 1 |
| C01 | 0515100 | 10μF | 50V E.C. | 1 |
| C02 | 0519103 | 0.47μF | | 1 |
| C03 | 0660470 | 47 pF | 50V C.C. | 1 |
| C04 | 0660470 | 47 pF | | 1 |
| C05 | 0513101 | 100μF | 25V E.C. | 2 |
| C06 | 0512101 | 100μF | 16V E.C. | 1 |
| C07 | 0515470 | 47μF | 50V E.C. | 2 |
| C08 | 0660470 | 47 pF | 50V C.C. | 1 |
| C09 | 0657223 | 0.022μF | | 2 |
| C10 | 0513471 | 470μF | 25V E.C. | 2 |
| C11 | 0657223 | 0.022μF | 50V C.C. | 2 |
| R01 | 0106103 | 10kΩ | | 1 |
| R02 | 0106274 | 270Ω | ¼W C.R. (E.L.R.) | 1 |
| R03 | 0106224 | 220kΩ | | 1 |
| R04 | 0107221 | 220Ω | ¼W C.R. | 1, 2 |
| R05 | 0106182 | 1.8kΩ | ¼W C.R. (E.L.R.) | 1 |

| Parts No. | Stock No. | Description | | Position |
|---|---|---|---|---|
| R06 | 0107181 | 180Ω | ¼W C.R. | 1 |
| R07 | 0106683 | 68kΩ | | 1 |
| R08 | 0106123 | 12kΩ | ¼W C.R. (E.L.R.) | 1 |
| R09 | 0106102 | 1kΩ | | 2 |
| R10 | 0107332 | 3.3kΩ | ¼W C.R. | 1, 2 |
| R11 | 0106221 | 220Ω | | 1 |
| R12 | 0106330 | 33Ω | ¼W C.R. (E.L.R.) | 1 |
| R13 | 0106221 | 220Ω | | 1, 2 |
| R14 | 0107471 | 470Ω | ¼W C.R. | 2 |
| R15 | 0107102 | 1kΩ | | 1, 2 |
| VR01 | 1031410, 1 | 200Ω (B) Semi-Variable Resistor | | 1 |
| F01 | 0433610 | 2A 125V Quick Acting Fuse | | |
| | 0433660 | 1.5A 250V Quick Acting Fuse (CSA Model Only) | | |

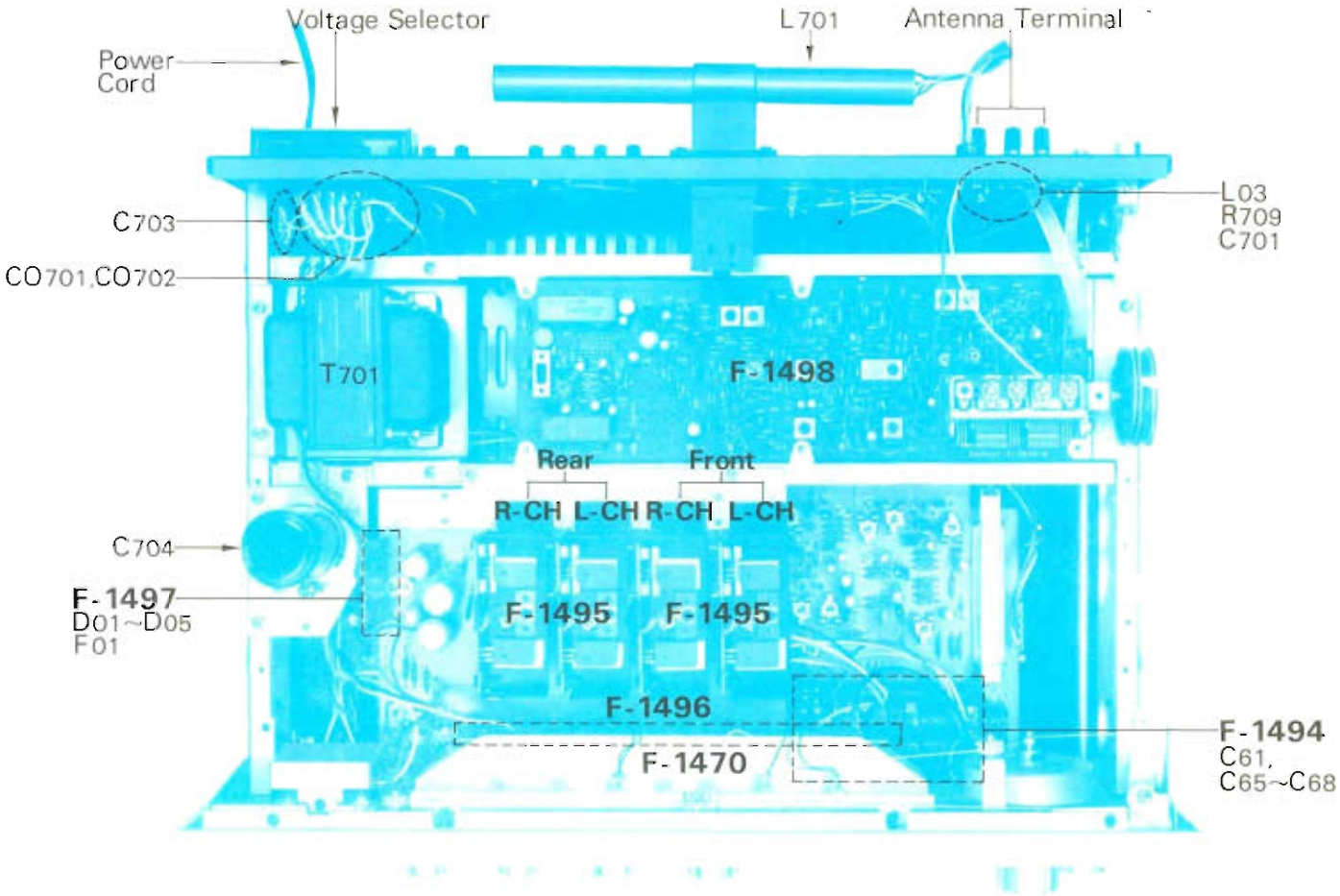
# 6-6. Other Parts (Front Side)

## Parts List

| Parts No. | Stock No. | Description |
|---|---|---|
| 1 | 5101165 | Binding Head Screw, M4×14 |
| 2 | 5186110 | Plain Washer, 4ϕ |
| 3 | 5101165 | Binding Head Screw, M×14 |
| 4 | 5186110 | Plain Washer, 4ϕ |
| 5 | 5726850 | Wood Bonnet |
| 6 | 5176052 | Jack Nut |
| 7 | 5176052 | Jack Nut |
| 8 | 5317760 | WI-2 Type Knob, BASS volume |
| 9 | 5317671 | WO-1 Type Knob, BASS volume |
| 10 | 5317760 | WI-2 Type Knob, TREBLE volume |
| 11 | 5317671 | WO-1 Type Knob, TREBLE volume |
| 12 | 5317760 | WI-2 Type Knob, BALANCE volume |
| 13 | 5317671 | WO-1 Type Knob, BALANCE volume |
| 14 | 5317830 | WI-3 Type Knob, VOLUME |
| 15 | 5317840 | WO-2 Type Knob, VOLUME |
| 16 | 5326420 | Push Button |
| 17 | 5326420 | Push Button |
| 18 | 5326420 | Push Button |
| 19 | 5326420 | Push Button |
| 20 | 5326420 | Push Button |
| 21 | 5326420 | Push Button |
| 22 | 5326420 | Push Button |
| 23 | 5317730 | M-3 Type Knob, SELECTOR |
| 24 | 5317820 | T-6 Type Knob, TUNING |
| 25 | 5176011 | A Type Nut |
| 26 | 5102843 | Flat Countersunk Head Screw, M3×6 |
| 27 | 5102843 | Flat Countersunk Head Screw, M3×6 |
| 28 | 5308980 | Front Panel |
| | 5047720 | Smoked Plate |
| 29 | 6906031 | Spring, POWER switch |
| 30 | 7106083 | Push Button, POWER switch |
| 31 | 1130350 | Push Switch, POWER |
| 32 | 2430210 | Headphone Jack |
| 33 | 1060310 | 5kΩ(C)×4 BASS volume |
| 34 | 1060310 | 5kΩ(C)×4 TREBLE volume |
| 35 | 1060300 | 250kΩ(MN)×4 BALANCE volume |
| 36 | 1060290 | 250kΩ(B)×4 VOLUME |
| 37 | 1130800 | Push Switch (7 Stage) |
| 38 | 5109122 | Binding Head Screw, 3×8 |
| 39 | 5109122 | Binding Head Screw, 3×8 |
| 40 | 5246470 | Mounting Plate, Front Panel |
| 41 | 1102540 | Rotary Switch Y-2-5-4, SELECTOR |
| 42 | 7036390 | Tuning Ass'y |
| 43 | 5407570 | Dial Scale |
| 44 | 5416370 | Dial Pointer |
| 45 | 5109121 | Binding Head Screw, 3×6 |
| 46 | 5269460 | Holder, signal meter |
| 47 | 7726050 | Meter Lamp Ass'y |
| 48 | 0420040 | Fuse Type Lamp (7V 300mA) |
| 49 | 4300610 | Signal Meter |
| 50 | 5109122 | Binding Head Tapping Screw, 3×8 |
| 51 | 5109122 | Binding Head Tapping Screw, 3×8 |
| 52 | 0400390 | Lead Type Lamp (6V 30mA), STEREO Indicator |
| 53 | 0400310 | Lead Type Lamp (7V 100mA), 2-CH Indicator |
| 54 | 0400310 | Lead Type Lamp (7V 100mA), 4-CH Indicator |
| 55 | 5066210 | Illuminator Box |
| 56 | 0420040 | Fuse Type Lamp (7V 300mA) |
| 57 | 5101165 | Binding Head Screw, M4×14 |
| 58 | 5516911 | Rubber Foot |
| 59 | 5101165 | Binding Head Screw, M4×14 |
| 60 | 5516911 | Rubber Foot |
| 61 | 5109222 | Binding Head Tapping Screw, 3×8 |
| 62 | 5109222 | Binding Head Tapping Screw, 3×8 |
| 63 | 5058160 | Bottom Plate |


30
60
1
31
FM
AM
BALANCE
VOLUME
BASS
TREBLE
PUSH
PUSH

## 6-7. Other Parts (Top Side)

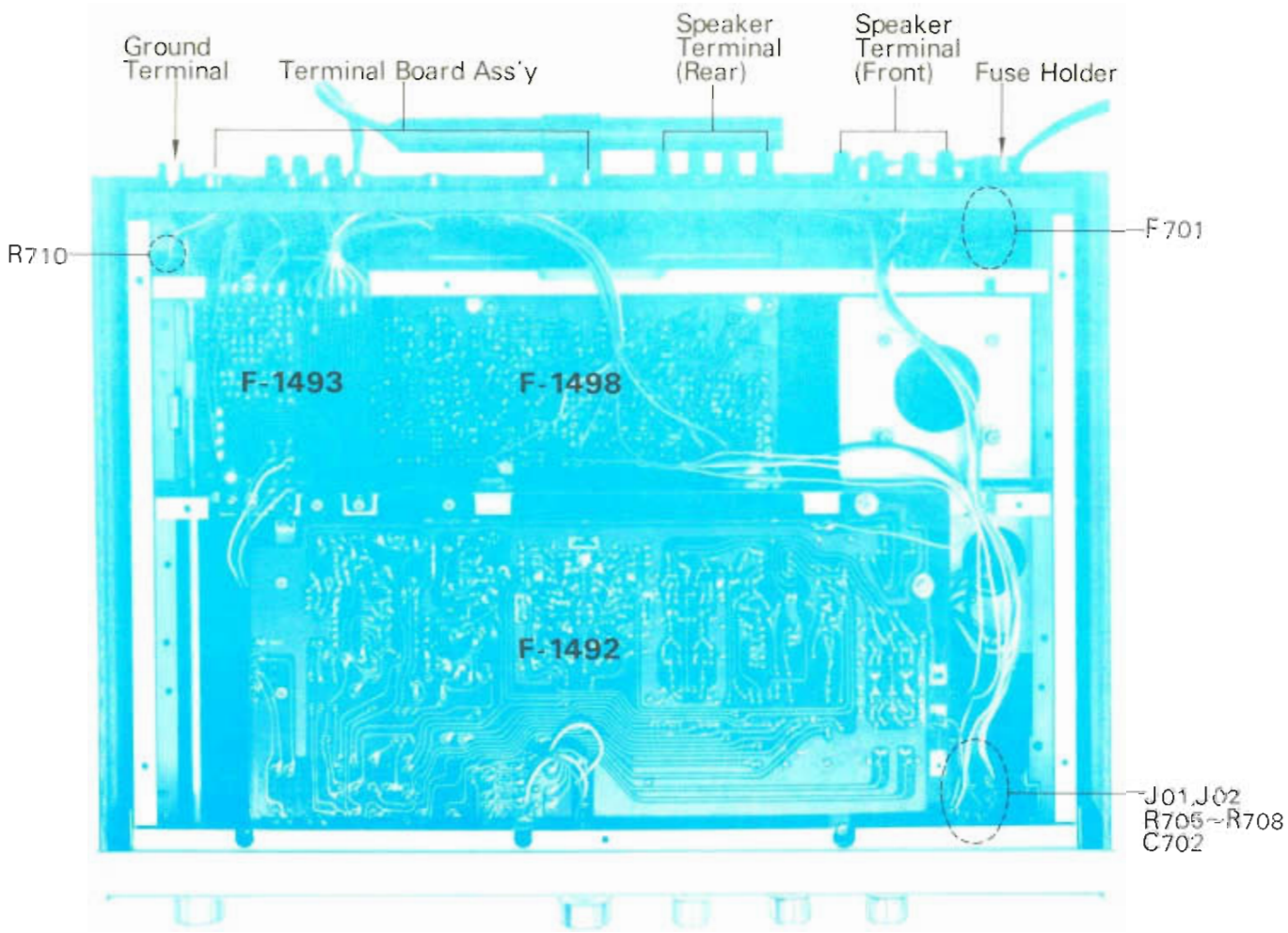



## Top Side Parts List

| Parts No. | Stock No. | Description | | |
|---|---|---|---|---|
| | 7591970 | F-1494 Switch Circuit Board Ass'y | | |
| C61 | 0601227 | 0.022μF | 50V | M.C. |
| C65 | 0620181 | 180pF | | |
| C66 | 0620181 | 180pF | | |
| C67 | 0620181 | 180pF | 50V | P.C. |
| C68 | 0620181 | 180pF | | |
| | 7591980 | F-1497 Fuse Circuit Board Ass'y | | |
| D01 | 0310960 | S 1.5-02 | | |
| D02 | 0310960 | S 1.5-02 | | |
| D03 | 0310960 | S 1.5-02 | | |
| D04 | 0410960 | S 1.5-02 | | Diode |
| D05 | 0310340 or 0310870 | 10D-1 or SRIFM2 | | |
| F01 | 0432890, 1 | 4A Wired-in Fuse | | |
| C701 | 0660101 | 100pF | 50V | C.C. |
| C703 | 0605476 | 0.0047μF | 250V | M.C. |
| C704 | 0559322 | 4700μF | 50V | E.C. |
| R709 | 0303122 | 1.2kΩ 1/2W | | C.R. |
| L03 | 4290110 | Choke Coil | | |
| L701 | 4200550 | Bar Antenna (ARS-31B) | | |

| Parts No. | Stock No. | Description |
|---|---|---|
| CO701 | 2450040 | AC Outlet |
| CO702 | 2450040 | AC Outlet |
| T701 | 4001400 | Power Transformer |
| | 2410080 | Voltage Selector, socket |
| | 2410090 | Voltage Selector, plug |
| | 2210190 | Antenna Terminal |
| | 3800020 | Power Cord (KP-200) |

## 6-8. Other Parts (Bottom Side)




### Bottom Side Parts List

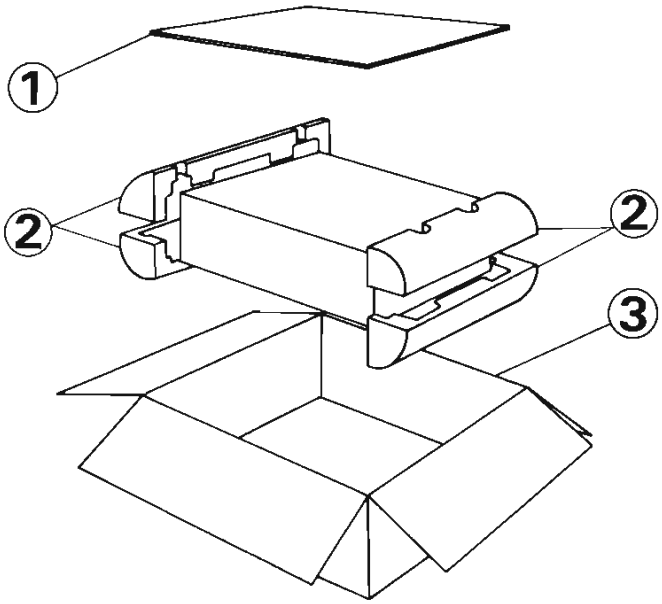
| Parts No. | Stock No. | Description | | |
|---|---|---|---|---|
| C702 | 0605337 | 0.033μF | 250V | M.C. |
| R701 | 0107104 | 100kΩ | ¼W | C.R. |
| R702 | 0107104 | 100kΩ | | |
| R703 | 0107334 | 330kΩ | | |
| R704 | 0107334 | 330kΩ | | |
| R705 | 0103221 | 220Ω | ½W | C.R. |
| R706 | 0103221 | 220Ω | | |
| R707 | 0103221 | 220Ω | | |
| R708 | 0103221 | 220Ω | | |
| R710 | 0103821 | 820Ω | | |
| J01, 02 | 2430210 | Phone Jack | | |
| F701 | 0431240 | 2A Power Fuse (100~117V) | | |
| | 0431230 | 1.5A Power Fuse (220~240V) | | |
| | 2300060 | Fuse Holder | | |
| | 2210200 | 4P Speaker Terminal (Front) | | |
| | 2210200 | 4P Speaker Terminal (Rear) | | |
| | 7716010 | Terminal Board Ass'y | | |
| | 2230050 | Ground Terminal | | |

**Abbreviations**

| | | | | | |
|---|---|---|---|---|---|
| C.R. | : | Carbon Resistor | BP.E.C. | : | Bi-Polar Electrolytic Capacitor |
| S.R. | : | Solid Resistor | | | |
| Ce.R. | : | Cement Resistor | C.C. | : | Ceramic Capacitor |
| M.R. | : | Metallized Film Resistor | Mi.C. | : | Mica Capacitor |
| | | | O.C. | : | Oil Capacitor |
| M.C. | : | Mylar Capacitor | P.C. | : | Polystyrene Capacitor |
| E.C. | : | Electrolytic Capacitor | T.C. | : | Tantalum Capacitor |

# 7. PACKING LIST

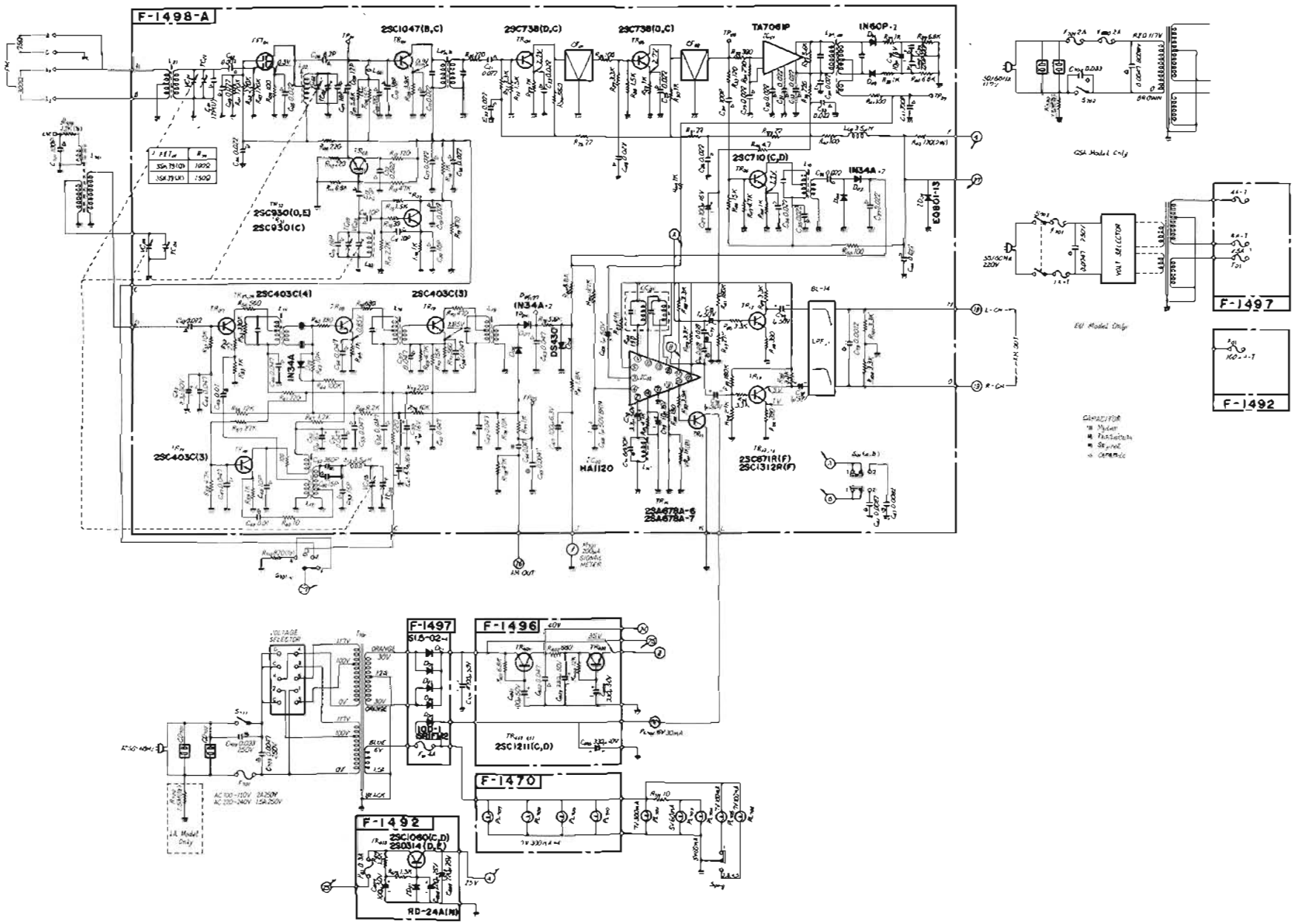
| Parts No. | Stock No. | Description |
|---|---|---|
| 1 | 9017350 | Inner Packing (upper) |
| 2 | 9027723 | Stylofoam Packing |
| 3 | 9007721 | Carton Case |



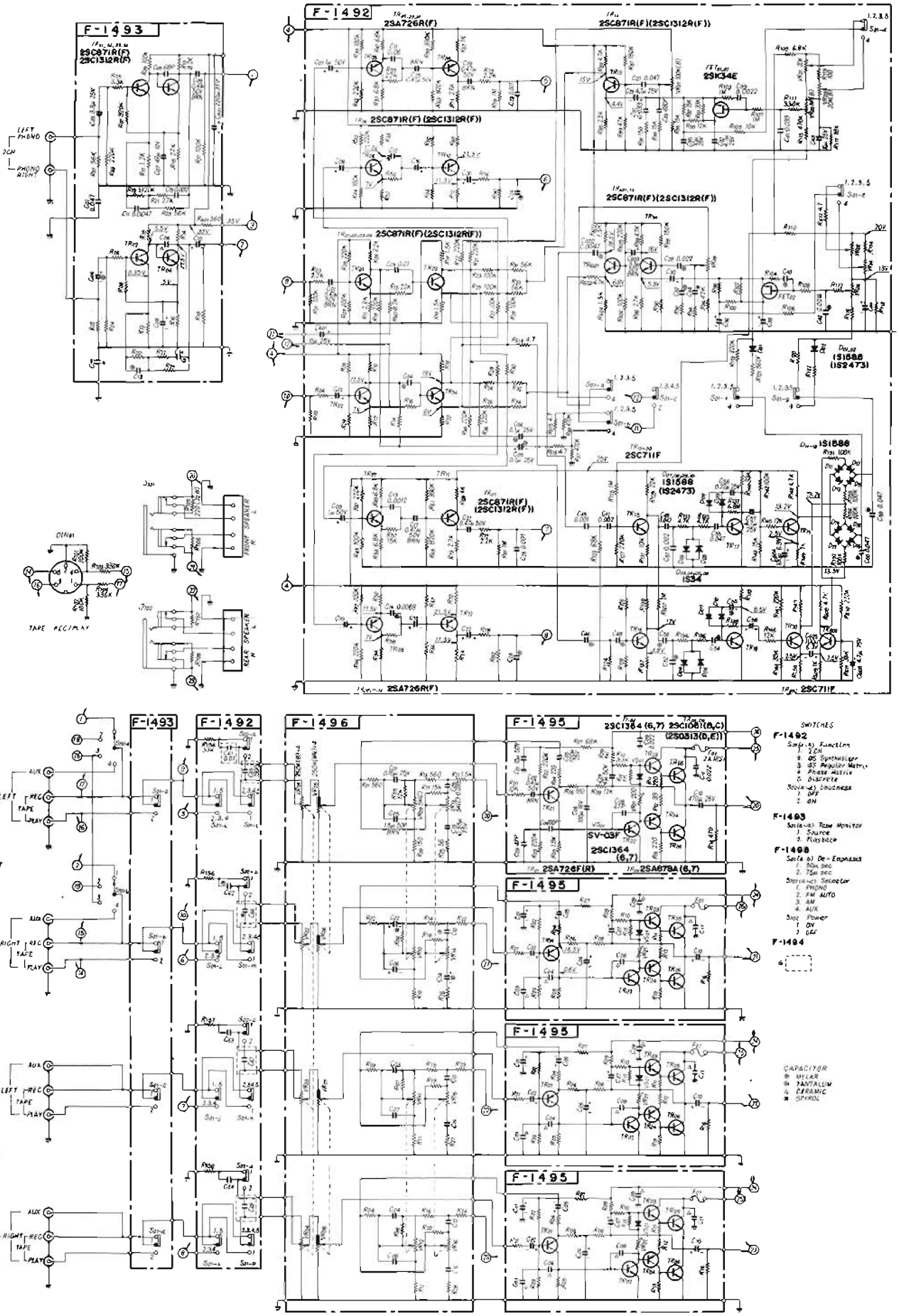

# 8. ACCESSORY PARTS LIST

| Stock No. | Description |
|---|---|
| 9406020 | Polishing Cloth |
| 0433610 | 2A Quick Acting Fuse |
| 9207570 | Operating Instructions |
| 9227570 | Operating Instruction sheet |
| 3820010 | FM Antenna<br>AM Antenna |

# 9. SCHEMATIC DIAGRAM OF TUNER SECTION



# 10. SCHEMATIC DIAGRAM OF AUDIO SECTION



Sansui

SANSUI ELECTRIC CO., LTD.
14-1, 2-chome, Izumi, Suginami-ku, Tokyo 168, Japan.
TELEPHONE: (03) 323-1111/TELEX: 232-2076

SM011

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