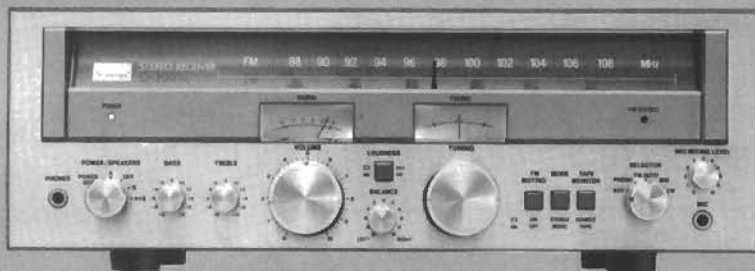




# SERVICE MANUAL

## STEREO RECEIVER

# SANSUI G-2000SS/2000L G-3000L



### SPECIFICATIONS

#### Audio Section

##### ◀G-2000SS, G-2000L▶

#### Power output

Min. RMS, both channels driven, from 20 to 20,000 Hz,  
with no more than 0.15% total harmonic distortion  
16 watts per channel into 8 ohms  
Load impedance . . . . . 8 ohms  
Total harmonic distortion

. . . . . less than 0.15% at or below  
rated min. RMS power output

Intermodulation distortion (70 Hz : 7 kHz = 4:1 SMPTE  
method) . . . . . less than 0.15%

Frequency response (at 1 watt)

. . . . . 10 to 50,000 Hz +1 dB -2 dB

RIAA curve deviation (PHONO)

. . . . . +0.5 dB -0.5 dB  
(30 to 15,000 Hz)

Damping factor . . . . . approximately 30 at 8-ohms  
load

Input sensitivity and impedance (1 kHz, for rated power  
output)

PHONO . . . . . 2.5 mV/47 kilohms  
(Max. input capability; 190 mV at 1 kHz, less than  
0.5% total harmonic distortion)

AUX, TAPE . . . . . 150 mV/47 kilohms

MIC . . . . . 8 mV/10 kilohms

Output level (1 kHz)

TAPE REC (pin jack) 150 mV/47 kilohms  
(DIN) . . . . . 43 mV

Channel separation (1 kHz, at rated power output)

PHONO . . . . . better than 50 dB

AUX . . . . . better than 50 dB

Hum and noise (short-circuit, A network)

PHONO . . . . . 75 dB

AUX . . . . . 95 dB

#### Controls

BASS . . . . . ±10 dB (50 Hz)

TREBLE . . . . . ±10 dB (10 kHz)

LOUDNESS (-30 dB)

. . . . . 7 dB at 50 Hz  
5 dB at 10 kHz

##### ◀G-3000L▶

#### Power output

Min. RMS, both channels driven, from 20 to 20,000 Hz,  
with no more than 0.15% total harmonic distortion  
26 watts per channel into 8 ohms  
26 watts per channel into 4 ohms  
Load impedance . . . . . 4 and 8 ohms  
Total harmonic distortion

. . . . . less than 0.15% at or below  
rated min. RMS power output

Intermodulation distortion (70 Hz : 7 kHz = 4:1 SMPTE  
method) . . . . . less than 0.15%

Frequency response (at 1 watt)

. . . . . 10 to 50,000 Hz +1 dB -2 dB

RIAA curve deviation (PHONO)

. . . . . +0.5 dB -0.5 dB  
(30 to 15,000 Hz)

Damping factor . . . . . approximately 30 at 8 ohms  
load

Input sensitivity and impedance (1 kHz, for rated power  
output)

PHONO . . . . . 2.5 mV/47 kilohms  
(Max. input capability; 200 mV at 1 kHz, less than  
0.5% total harmonic distortion)

AUX, TAPE . . . . . 150 mV/47 kilohms

MIC . . . . . 8 mV/10 kilohms

Output level (1 kHz)

TAPE REC (pin jack) 150 mV/47 kilohms  
(DIN) . . . . . 43 mV

Channel separation (1 kHz, at rated power output)

PHONO . . . . . better than 50 dB

AUX . . . . . better than 50 dB

Hum and noise (short-circuit, A network)

PHONO . . . . . 75 dB

AUX . . . . . 95 dB

#### Controls

BASS . . . . . ±10 dB (50 Hz)

TREBLE . . . . . ±10 dB (10 kHz)

LOUDNESS (-30 dB)

. . . . . 7 dB at 50 Hz  
5 dB at 10 kHz

**Sansui**

SANSUI ELECTRIC CO., LTD.

**AM Section**

◀G-2000SS▶

(SW1)

Tuning range . . . . . 2.3 to 6.5 MHz  
Usable sensitivity . . . . . 20  $\mu$ V  
Selectivity ( $\pm 10$  kHz) . . . . . 45 dB  
Signal to noise ratio . . . . . 46 dB

(SW2)

Tuning range . . . . . 6.5 to 18 MHz  
Usable sensitivity . . . . . 30  $\mu$ V  
Selectivity ( $\pm 10$  kHz) . . . . . 45 dB  
Signal to noise ratio . . . . . 46 dB

◀G-2000L, G-3000L▶

(MW)

Tuning range . . . . . 530 to 1,600 kHz  
Usable sensitivity (Bar antenna)  
. . . . . 50 dB/m (300  $\mu$ V/m)  
Selectivity ( $\pm 10$  kHz) . . . . . 45 dB  
Signal to noise ratio . . . . . 46 dB

(LW)

Tuning range . . . . . 150 to 350 kHz  
Usable sensitivity . . . . . 60 dB/m (1,000  $\mu$ V/m)  
(bar antenna)  
300  $\mu$ V (EXT)  
Selectivity . . . . . 45 dB  
Signal to noise ratio . . . . . 46 dB

**FM Section**

◀G-2000SS, G-2000L, G-3000L▶

Tuning range . . . . . 88 to 108 MHz

Usable sensitivity  
Mono IHF . . . . . 11.0 dBf (1.95  $\mu$ V)  
DIN . . . . . 1.2  $\mu$ V  
Stereo IHF . . . . . 19.0 dBf

50 dB quieting sensitivity

Mono . . . . . 15 dBf  
Stereo . . . . . 39 dBf

Signal to noise ratio (at 65 dBf)

Mono . . . . . 71 dB  
Stereo . . . . . 68 dB

Distortion (at 65 dBf)

Mono . . . . . less than 0.18% at 100 Hz  
less than 0.15% at 1,000 Hz  
less than 0.25% at 6,000 Hz  
Stereo . . . . . less than 0.3% at 100 Hz  
less than 0.25% at 1,000 Hz  
less than 0.30% at 6,000 Hz

Alternate channel selectivity (at 400 kHz)

. . . . . 50 dB

Capture ratio . . . . . 1.3 dB

Image response ratio . . . . . 48 dB (at 98 MHz)

Spurious response ratio . . . . . 70 dB (at 98 MHz)

Stereo separation . . . . . 30 dB at 100 Hz

40 dB at 1,000 Hz

28 dB at 10,000 Hz

Frequency response . . . . . 30 to 15,000 Hz

+0.5 dB -1.0 dB

Antenna input impedance

. . . . . 300 ohms balanced  
75 ohms unbalanced

**Others**

◀G-2000SS, G-2000L, G-3000L▶

Power requirements

Power voltage . . . . . 100, 120, 220, 240V  
(50/60 Hz) ◀G-2000SS▶  
220, 240V (50 Hz)

◀G-2000L, G-3000L▶

Power consumption . . . . . 155 watts ◀G-2000SS, G-2000L▶

210 watts ◀G-3000L▶

Dimensions . . . . . 433 mm (17-1/16") W

153 mm (6-1/16") H

352 mm (13-7/8") D

Weight . . . . . 7.3 kg (16.1 lbs) net

G-2000SS, 2000L

8 kg (17.6 lbs) net ◀G-3000L▶

8.7 kg (19.2 lbs) packed

◀G-2000SS, G-2000L▶

9.4 kg (20.7 lbs) packed ◀G-3000L▶

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

# 1. OPERATIONS

## Pop-noise preventive circuit

In order to prevent the annoying pop-noise to the loudspeakers at turning the power of the amplifier ON, the pop-noise preventive circuit adopted in the G-3000L is the combination of the conventional driver-voltage delay type used in the power supply (rectifier) circuit and the NF delay type pop-noise preventive circuits. The configuration of NF delay type pop-noise preventive circuit is shown in Fig. 1.

In this circuit, the switching (ON-OFF) of the transistor TR05 is made by the time constant of the capacitor C40 and resistor R88. Thereby the NF resistor, R51 is controlled, and the gain of the main amplifier stage is lowered when TR05 is ON, thus the voltage drift (transient voltage) of the main amplifier at turning the power ON does not appear on the speaker terminals for very short period of time. In other words, at the instant that the power is turned ON, the voltage at the point A rises up to +13V, then the voltage decreases by means of the time constant of C40 and R88 as shown in Fig. 2. At this time, the diode D11 is inversely biased, consequently, the potential voltage of the point B is 0V as Fig. 3. Because of this, TR05 turns to the cut-off, thus the NF resistor, R51 acquires such a state as its resistance value becomes equivalently very large, which decreases the gain of the power amplifier. When the charge of the C40 is completed, the voltage of the point B (see Fig. 3) becomes negative, as a result, the diode D11 is biased. Therefore, TR05 is turned ON, and the circuit of this equipment is normally operated approximately 2 seconds after the power is turned ON to prevent the pop-noise which flows to loudspeakers.

Fig. 1

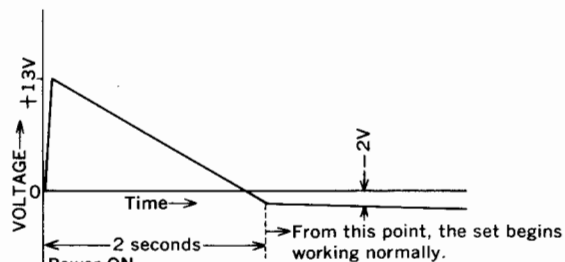
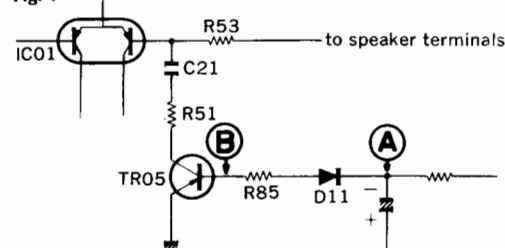


Fig. 2 Voltage variation during a certain period of time at A

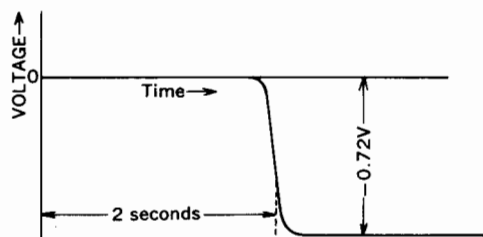


Fig. 3 Voltage variation at B

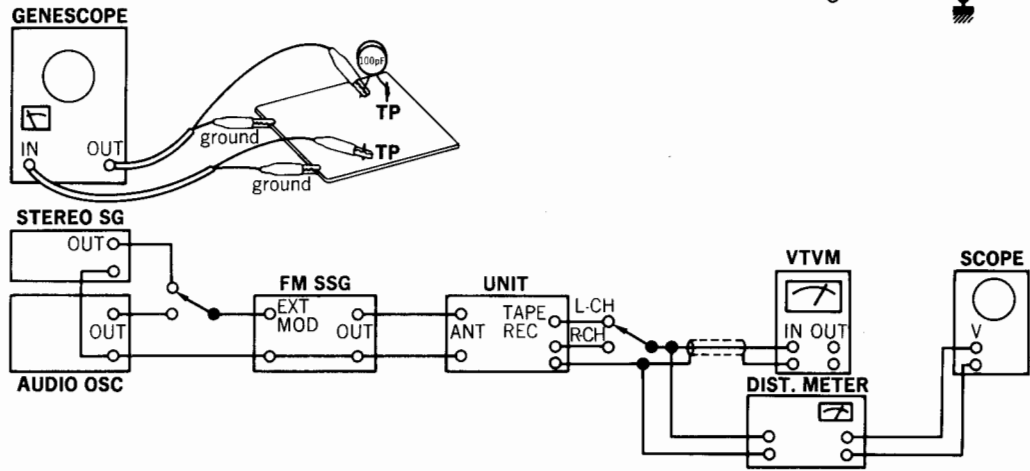
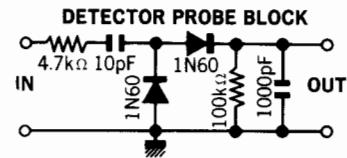


### 3. ADJUSTMENTS

#### 1. FM Adjustment

\* Refer to the picture of top view and illustrations indicating test points on page 4.

- Note: 1. Selector . . . . . FM AUTO  
 2. FM Muting Switch . . . . . OFF  
 3. Connection . . Connect the output of genescoper to TP through 100pF ceramic capacitor.



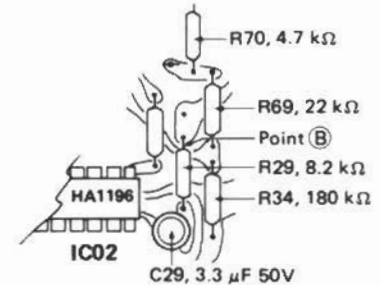
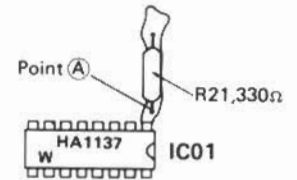
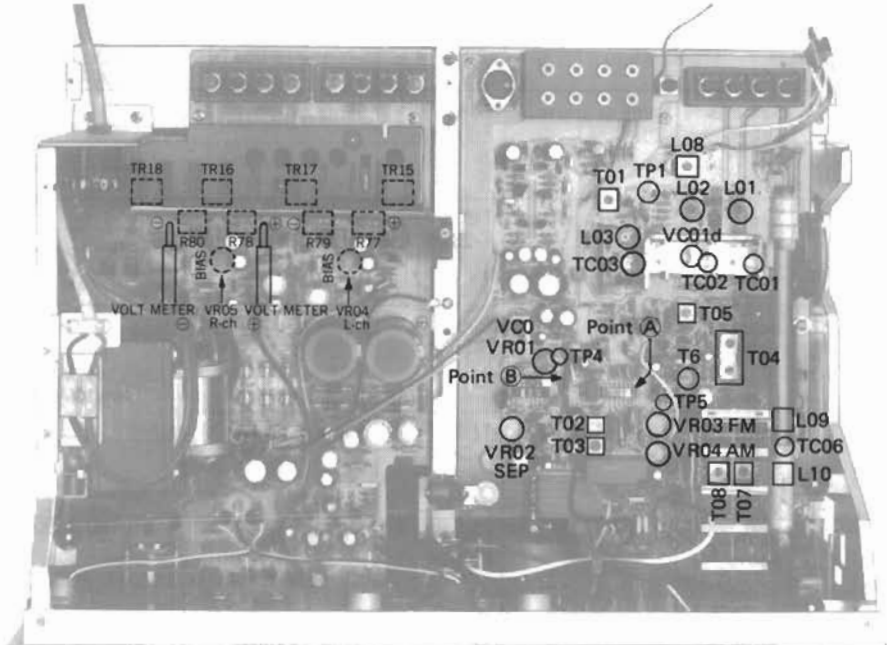
#### FM IF Adjustment & Dial Calibration <<G-2000SS/G-2000L/G-3000L>>

| STEP | SUBJECT                  | FEED SIGNAL  |                   | MEASURE OUTPUT                         | ADJUST            | ADJUST FOR   | REMARKS    |
|------|--------------------------|--|-------------------|--|-------------------|--|------------|
|      |                          | FROM   | TO                |  |                   |  |            |
| 1.   | IF Coil                  | Output 60 dB Genescoper  | TP1 F-2824        | Point (A) F-2824<br>Use Detector Probe | T01 F-2824        | Max. IF waveform                                       |            |
| 2.   | Discriminator Coil       | Same as above  | Same as above     | Point (B) F-2824                       | T02, T03 F-2824   | Steep linearity of S curve<br>Make symmetrical S curve |            |
| 3.   | Tuning Meter             | 98 MHz<br>ANT Input 65 dBf (59.8 dB) 1000 Hz (100% MOD) FM SSG             | ANT terminal 300Ω | Tuning Meter                           | T02 F-2824        | Center on Meter  | Tuning<br> |
| 4.   | 90 MHz Dial Calibration  | 90 MHz<br>ANT Input 65 dBf (59.8 dB) 1000 Hz (100% MOD) FM SSG             | Same as above     | REC terminal L or R-CH<br>VTVM & Scope | L03 F-2824        | MAX. output  |            |
|      | 106 MHz Dial Calibration | 106 MHz<br>ANT Input 65 dBf (59.8 dB) 1000 Hz (100% MOD) FM SSG            | Same as above     | Same as above                          | TC03 F-2824       |  |            |
| 5.   | 90 MHz RF Adj.           | 90 MHz<br>ANT Input Minimum value with sine wave 400 Hz (100% MOD) FM SSG  | Same as above     | Same as above                          | L01, L02 F-2824   | Same as above  |            |
|      | 106 MHz RF Adj.          | 106 MHz<br>ANT Input Minimum value with sine wave 400 Hz (100% MOD) FM SSG | Same as above     | Same as above                          | TC01, TC02 F-2824 | Same as above  |            |
| 6.   | Signal Meter Volume      | 98 MHz<br>ANT Input 65 dBf (59.8 dB) 1000 Hz (100% MOD) FM SSG             | Same as above     | Signal Meter                           | VR03 F-2824       | 4.3 on Meter   |            |

### FM STEREO Adjustment

| STEP | SUBJECT   | FEED SIGNAL  |                       | MEASURE OUTPUT                       | ADJUST         | ADJUST FOR      | REMARKS  |
|------|---|--|-----------------------|--------------------------------------|----------------|-----------------|--|
|      |   | FROM   | TO                    |                                      |                |                 |  |
| 1.   | PLL VCO Adj.                                    | 98MHz<br>ANT Input 65dBf<br>(59.8dB) FM SSG<br>Pilot 19kHz (9% MOD)<br>SUB 1kHz + Pilot<br>(100% MOD)<br>STEREO SG         | ANT terminal<br>300 Ω | Stereo indicator                     | VR01<br>F-2824 | Light indicator | Adjust the VR01 within center of lighting level. |
|      | PLL VCO Adj.<br>In case of using Freq. counter. | 98MHz<br>ANT Input 65dB<br>(59.8dB) FM SSG   | Same as above         | TP4<br>F-2824<br>Use Freq. counter   | VR01<br>F-2824 | 76kHz ±150Hz    |  |
| 2.   | Separation                                      | 98 MHz<br>ANT Input 65 dBf<br>(59.8 dB) FM SSG<br>Pilot 19 kHz (9% MOD)<br>R Mode 1 kHz + Pilot<br>(100% MOD)<br>STEREO SG | Same as above         | REC terminal<br>L-CH<br>VTVM & Scope | VR02<br>F-2824 | Set -34 dB      | Confirm separation<br>L-CH → R-CH<br>(-34 dB)    |

<Top View> <G-3000L> \* Test points of G-2000SS & G-2000L are located the same as G-3000L.



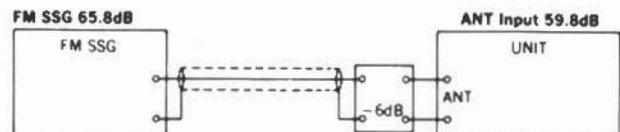
#### ● NEW MEASUREMENT FOR FM.

Input signal level under the provision of IHFM-T-200, a new measurement method is indicated by available power ratio "dBf". To obtain approximate available power ratio "dBf", abstract 0.8 from attenuator indication of general FMSG (open load indication type); however, the conventional measurement, IHFM-T-100 is designated together too.

The way of modulation on IHFM-T-200 is shown below.

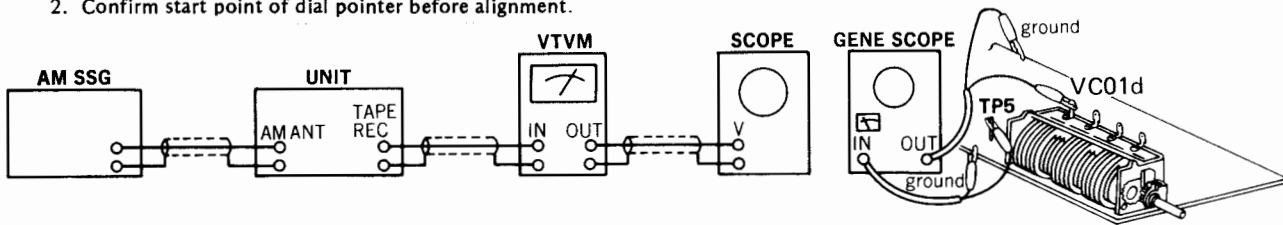
|           | modulation frequency | modulation mode | modulation factor            |
|-----------|----------------------|-----------------|------------------------------|
| FM MONO   | 1000Hz               |                 | 100%                         |
| FM STEREO | 1000Hz               | SUB             | Pilot 9%<br>Pilot + SUB 100% |

※ The relation between the standard input 65 dBf of IHFM-T-200 and the former indication "dB" is shown in below.

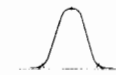
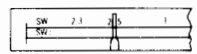
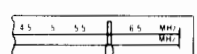
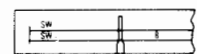
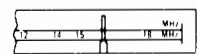


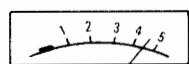


## 2. AM IF Adjustment & Dial Calibration


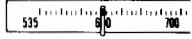

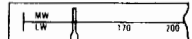

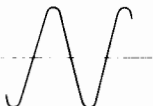
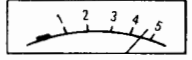
- Note: 1. Selector . . . . . SW<sub>1</sub> & SW<sub>2</sub> <<G-2000SS>>  
MW & LW <<G-2000L, G-3000L>>  
2. Confirm start point of dial pointer before alignment.



### <<G-2000SS>>

| STEP<br>(Selector)      | SUBJECT                        | FEED SIGNAL   |                       | MEASURE<br>OUTPUT                         | ADJUST                     | ADJUST FOR                                   | REMARKS   |
|-------------------------|--------------------------------|---|-----------------------|---|----------------------------|--|---|
|                         |                                | FROM  | TO                    |   |                            |  |   |
| 1                       | IF Coil                        | Genescope<br>output level 60 dB                             | VC01d<br>F-2824       | TP5<br>F-2824                             | T04, T05,<br>T06<br>F-2824 | MAX. IF<br>waveform                          |    |
| 2<br>(SW <sub>1</sub> ) | 2.5 MHz<br>Dial<br>Calibration | 2.5 MHz<br>ANT Input 60 dB<br>400 Hz (MOD 30%)<br>AM SSG    | AM<br>ANT<br>Terminal | REC terminal<br>L or R-CH<br>VTVM & Scope | T07<br>F-2824              | MAX. indication<br>on signal meter<br>& VTVM |    |
|                         | 6 MHz<br>Dial<br>Calibration   | 6 MHz<br>ANT Input 60 dB<br>400 Hz (MOD 30%)<br>AM SSG      | Same as<br>above      | Same as above                             | TC04<br>F-2824             | Same as above                                |    |
| 3<br>(SW <sub>2</sub> ) | 7 MHz<br>Dial<br>Calibration   | 7 MHz<br>ANT Input 60 dB<br>400 Hz (MOD 30%)<br>AM SSG      | Same as<br>above      | Same as above                             | T08<br>F-2824              | Same as above                                |    |
|                         | 16 MHz<br>Dial<br>Calibration  | 16 MHz<br>ANT Input 60 dB<br>400 Hz (MOD 30%)<br>AM SSG     | Same as<br>above      | Same as above                             | TC05<br>F-2824             | Same as above                                |  |
| 4<br>(SW <sub>1</sub> ) | 2.5 MHz<br>RF Adj.             | 2.5 MHz<br>ANT Input 50 dB<br>400 Hz (MOD 30%)<br>AM SSG    | Same as<br>above      | Same as above                             | L09<br>F-2824              | Same as above                                |  |
|                         | 16 MHz<br>RF Adj.              | 16 MHz<br>ANT Input 50 dB<br>400 Hz (MOD 30%)<br>AM SSG     | Same as<br>above      | Same as above                             | TC06<br>F-2824             | Same as above                                |   |
| 5<br>(SW <sub>2</sub> ) | 7 MHz<br>RF Adj.               | 7 MHz<br>ANT Input 50 dB<br>400 Hz (MOD 30%)<br>AM SSG      | Same as<br>above      | Same as above                             | L10<br>F-2824              | Same as above                                |  |
|                         | 16 MHz<br>RF Adj.              | 16 MHz<br>ANT Input 50 dB<br>400 Hz (MOD 30%)<br>AM SSG     | Same as<br>above      | Same as above                             | TC07<br>F-2824             | Same as above                                |   |
| 6                       | Signal<br>Meter<br>Volume      | 1000 kHz<br>ANT Input 80 dB/m<br>400 Hz (MOD 30%)<br>AM SSG | Same as<br>above      | Signal Meter                              | VR04<br>F-2824             | 4.5 on meter                                 |  |

◀G-2000L/3000L▶

| STEP<br>(Selector) | SUBJECT                         | FEED SIGNAL   |                       | MEASURE<br>OUTPUT                         | ADJUST                         | ADJUST FOR                         | REMARKS   |
|--------------------|---------------------------------|---|-----------------------|---|--------------------------------|------------------------------------|---|
|                    |                                 | FROM  | TO                    |   |                                |                                    |   |
| 1                  | IF Coil                         | Genescope<br>output level 60 dB                           | VC01d<br>F-2824       | TP5                                       | T04, T05,<br>T06<br>F-2824     | MAX. IF<br>waveform                |    |
| 2<br>(MW)          | 600 kHz<br>Dial<br>Calibration  | 600 kHz<br>ANT Input 60 dB<br>400 Hz (MOD 30%)<br>AM SSG  | AM<br>ANT<br>Terminal | REC terminal<br>L or R-CH<br>VTVM & Scope | T07<br>F-2824                  | MAX. indication<br>on signal meter |    |
|                    | 1400 kHz<br>Dial<br>Calibration | 1400 kHz<br>ANT Input 60 dB<br>400 Hz (MOD 30%)<br>AM SSG | Same as<br>above      | Same as above                             | TC04<br>F-2824                 |                                    |    |
| 3<br>(LW)          | 150 kHz<br>Dial<br>Calibration  | 150 kHz<br>ANT Input 60 dB<br>400 Hz (MOD 30%)<br>AM SSG  | Same as<br>above      | Same as above                             | T08<br>F-2824                  | Same as above                      |    |
|                    | 350 kHz<br>Dial<br>Calibration  | 350 kHz<br>ANT Input 60 dB<br>400 Hz (MOD 30%)<br>AM SSG  | Same as<br>above      | Same as above                             | TC05<br>F-2824                 |                                    |    |
| 4<br>(MW)          | 600 kHz<br>RF Adj.              | 600 kHz<br>ANT Input 50 dB<br>400 Hz (MOD 30%)<br>AM SSG  | Same as<br>above      | Same as above                             | L07a<br>Bar<br>Antenna<br>Coil | Same as above                      |    |
|                    | 1400 kHz<br>RF Adj.             | 1400 kHz<br>ANT Input 50 dB<br>400 Hz (MOD 30%)<br>AM SSG | Same as<br>above      | Same as above                             | TC06<br>F-2824                 | Same as above                      |   |
| 5<br>(LW)          | 150 kHz<br>RF Adj.              | 150 kHz<br>ANT Input 50 dB<br>400 Hz (MOD 30%)<br>AM SSG  | Same as<br>above      | Same as above                             | L07b<br>Bar<br>Antenna<br>Coil | Same as above                      |   |
|                    | 350 kHz<br>RF Adj.              | No this adjustment is necessary.                          |                       |   |                                |                                    |   |
| 6                  | Signal<br>Meter<br>Volume       | 1000 kHz<br>ANT Input 80 dB<br>400 Hz (MOD 30%)<br>AM SSG | Same as<br>above      | Signal Meter                              | VR04<br>F-2824                 | 4.5 on meter                       |  |

3. Bias Current Adjustment (See the picture of top view on page 4)

◀G-2000S, G-2000L, G-3000L▶

1. Confirm AC power supply voltage, 220 V or 240 V provided.
2. Level Volume . . . . . Minimum
3. Room Temperature . . . . . 18°C ~ 28°C  
(65°F ~ 83°F)
4. Before this adjustment, turn bias adjustment volumes of VR04 and VR05 fully counterclockwise, then run this unit for more than three minutes.

Note: For this adjustment, put the lead + (plus) side of volt meter to + (plus) side of R77 (& R78), and the lead - (minus) side of R79 (& R80) on both channels.

L-ch . . . . R77, R79 (Measure output voltage)  
R-ch . . . . R78, R80 on both channels)

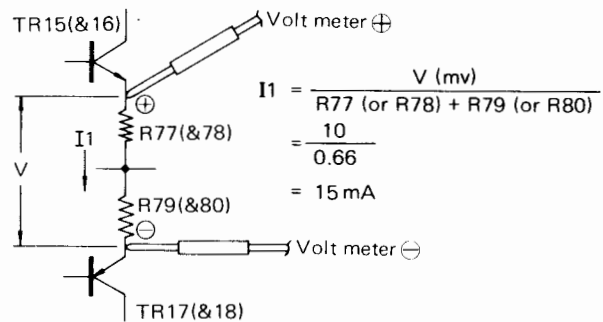


Fig. 1 (Power stage on F-2711)

$$I_1 = \frac{V \text{ (mv)}}{R77 \text{ (or R78)} + R79 \text{ (or R80)}} = \frac{10}{0.66} = 15 \text{ mA}$$

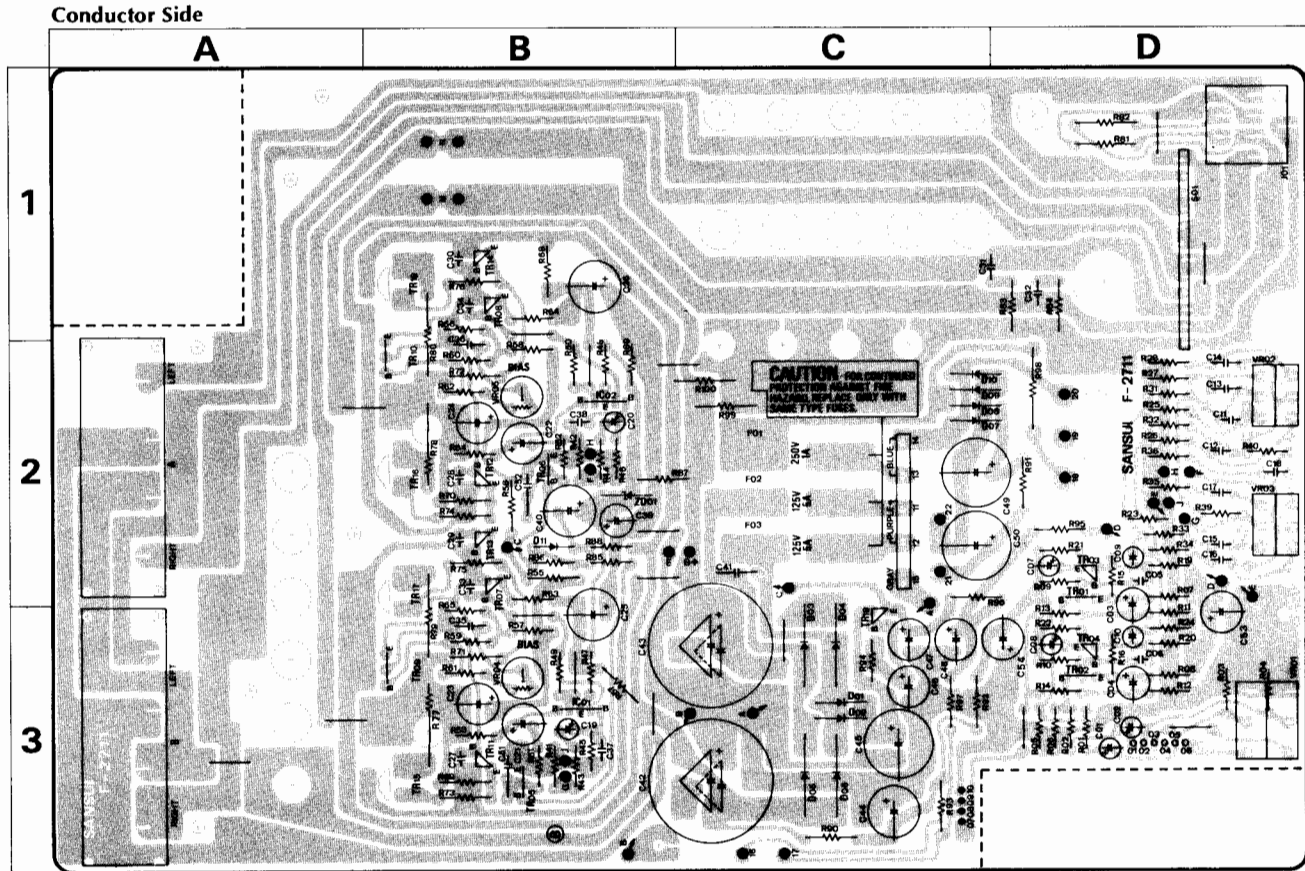
| STEP | SUBJECT              | EQUIPMENT     | MEASURE OUTPUT     | ADJUST         | ADJUST FOR          |
|------|----------------------|---------------|--------------------|----------------|---------------------|
| 1    | Bias Current<br>L-CH | DC Volt meter | * See Fig. 1 above | VR04<br>F-2711 | 10 mV ±1 mV (15 mA) |
| 2    | Bias Current<br>R-CH | DC Volt meter | * See Fig. 1 above | VR05<br>F-2711 | 10 mV ±1 mV (15 mA) |



# 4. PARTS LOCATION & PARTS LIST

Since some of capacitors and resistors are omitted from parts lists in this Service Manual, refer to the Common Parts List for capacitors & resistors which was appended previously to each Sansui Manual.

## 1. F-2711 Pre/Main & Power Supply Circuit Board (Stock No. 7571821, G-2000SS) (Stock No. 7571831, G-2000L) (Stock No. 7571811, G-3000L)



### Parts List

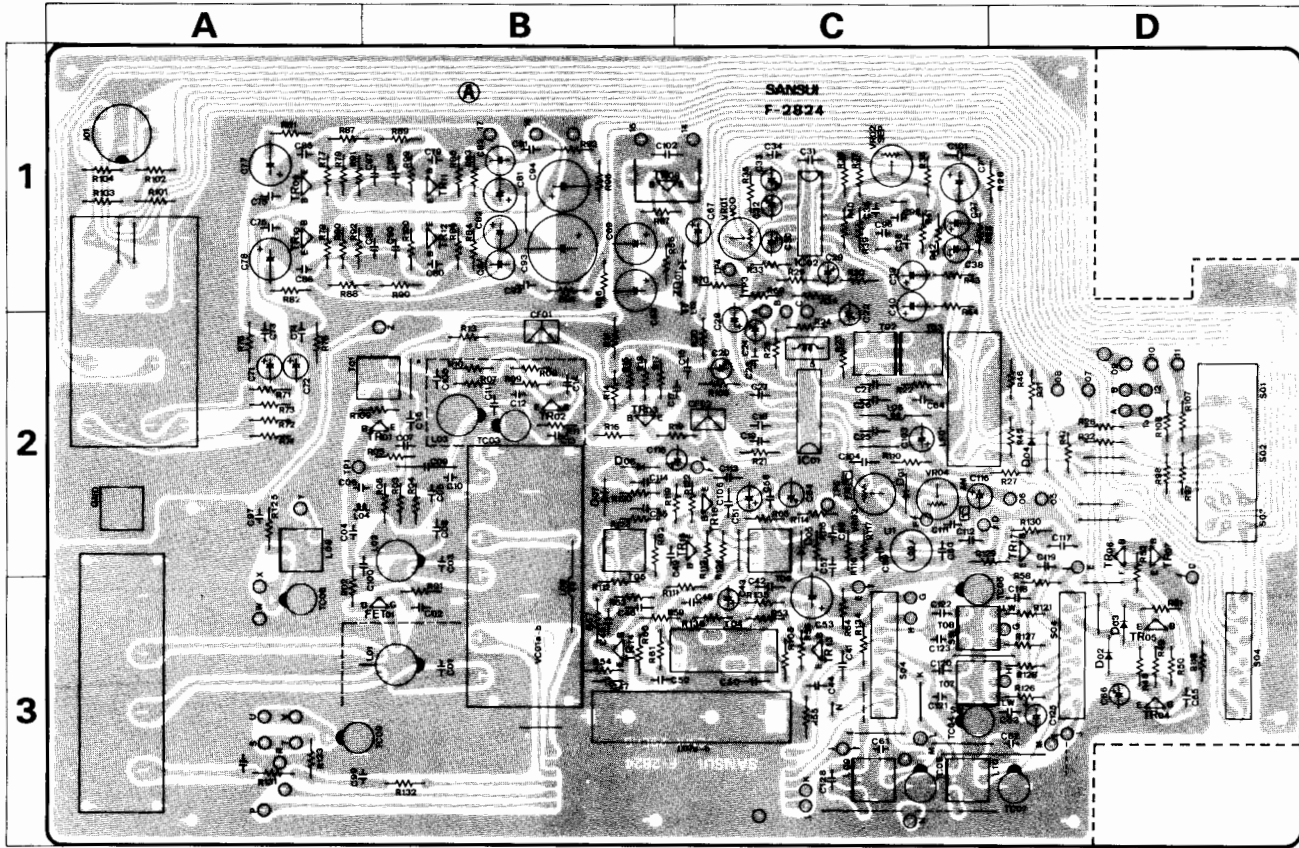
| Parts No. | Stock No. | Description              | Position      | Parts No. | Stock No. | Description                      | Position | Parts No. | Stock No. | Description                           | Position |
|-----------|-----------|--------------------------|---------------|-----------|-----------|----------------------------------|----------|-----------|-----------|---------------------------------------|----------|
| TR01,02   | 0300470,1 | 2SA726W (F, G)           | 2D,3D         |           |           | ◀G-2000SS, G-2000L▶              |          |           |           | Level Volume                          |          |
| TR03,04   | 0306070,1 | 2SC1313 (F, G)           | 2D,3D         |           |           | 6,800 μF 35V E.C.                |          | VR02      | 1015300,1 | 100 kΩ (A) x 2                        | 2D       |
| TR05,06   | 0300510,1 | 2SA733 (P, G)            | 3B            |           | 0549009   | ◀G-3000L only▶                   |          |           |           | Bass Volume                           |          |
|           |           | ◀G-3000L only▶           |               |           |           |                                  |          |           |           | 100 kΩ (A) x 2                        | 2D       |
| TR07,08   | 0306371,2 | 2SC1175 (E, F)           | 2B            | R 55,56   | 0210182   | 1.8 kΩ 1/4W N.I.R.               | 2B       | VR03      | 1015300,1 | Treble Volume                         |          |
|           |           | ◀G-2000SS, G-2000L▶      |               | R 67,68   | 0192101   | 100 Ω 1/4W F.R.                  | 3B,1B    | VR04,05   | 1035050   | 470 Ω (B)                             | 3B,2B    |
|           | 0306521,2 | 2SC1439 (B, V)           |               | R 69~72   | 0192221   | 220 Ω 1/4W F.R.                  | 3C,2B    |           |           | Bias Adjusting Volume                 |          |
|           |           | ◀G-3000L only▶           |               | R 73~76   | 0192689   | 6.8 Ω 1/4W F.R.                  | 2B,1B    |           |           |                                       |          |
| TR09,10   | 0305951,2 | 2SC945 (P, Q)            | 3B,2B         | R 77~80   | 0212338   | 0.33 Ω 2W N.I.R.                 | 3B,2B    | S 701     | 1190530   | Power Switch ◀G-2000SS▶               |          |
| TR11,12   | 0305930,1 | 2SC1211 (C, D)           | 3B,2B         | R 81,82   | 0211221   | 220 Ω 1W N.I.R.                  | 1D       |           | 1190600   | Power Switch ◀G-2000L▶                |          |
|           |           | ◀G-2000SS, G-2000L only▶ |               | R 83,84   | 0210479   | 4.7 Ω 1/4W N.I.R.                | 1D       |           | 1101880   | Rotary Switch, Power/Speaker Selector |          |
|           | 0308521,2 | 2SD438 (E, F)            |               | R 87      | 0210272   | 2.7 kΩ 1/4W N.I.R.               | 2B       |           |           | ◀G-3000L only▶                        |          |
|           |           | ◀G-3000L only▶           |               |           |           | ◀G-2000SS, G-2000L only▶         |          |           |           |                                       |          |
| TR13,14   | 0300310,1 | 2SA697 (C, D)            | Transistor 2B |           | 0210122   | 1.2 kΩ 1/4W N.I.R.               |          | F 01      | 0432220   | 1A 250V AC Fuse ◀G-2000SS▶            | 2C       |
|           |           | ◀G-2000SS, G-2000L only▶ |               |           |           | ◀G-3000L only▶                   |          |           | 0435090   | 800 mA 250V AC Fuse                   |          |
|           | 0303361,2 | 2SB560 (E, F)            |               | R 90      | 0210221   | 220 Ω 1/4W N.I.R.                | 3C       |           |           | ◀G-2000L, G-3000L only▶               |          |
|           |           | ◀G-3000L only▶           |               |           |           | ◀G-2000SS, G-2000L only▶         |          | F 02,03   | 0432280   | 4A 125V AC Fuse ◀G-2000SS▶            | 2C       |
| TR15,16   | 0308392,3 | 2SD313 (E, F)            | 3B,2B         |           | 0210271   | 270 Ω 1/4W F.R. ◀G-3000L only▶   |          |           | 0435150   | 3,15A 125V AC Fuse                    |          |
|           |           | ◀G-2000SS, G-2000L only▶ |               | R 91      | 0192220   | 22 Ω 1/4W F.R.                   | 2D       |           |           | ◀G-2000L only▶                        |          |
|           | 0306541,2 | 2SC1986 (Q, Y)           |               | R 92      | 0210471   | 470 Ω 1/4W N.I.R.                | 3C       |           | 0435160   | 4A 250V AC Fuse ◀G-3000L only▶        |          |
|           |           | ◀G-3000L only▶           |               |           |           | ◀G-2000SS, G-2000L only▶         |          | F 04,05   | 0432280   | 4A 125V AC Fuse ◀G-2000SS▶            |          |
| TR17,18   | 0303232,3 | 2SB507 (E, F)            | 2B,1B         |           | 0210681   | 680 Ω 1/4W N.I.R. ◀G-3000L only▶ |          |           | 0435150   | 3,15A 125V AC Fuse                    |          |
|           |           | ◀G-2000SS, G-2000L only▶ |               | R 93      | 0210221   | 220 Ω 1/4W N.I.R.                | 3C       |           |           | ◀G-2000L only▶                        |          |
|           | 0300911,2 | 2SA771 (Q, Y)            |               |           |           | ◀G-2000SS, G-2000L only▶         |          |           | 0435160   | 4A 250V AC Fuse ◀G-3000L only▶        |          |
|           |           | ◀G-3000L only▶           |               | R 95      | 0210331   | 330 Ω 1/4W N.I.R. ◀G-3000L only▶ |          | J 01      | 2430380   | Headphone Jack Socket                 | 1D       |
| TR19      | 0306521,2 | 2SD438 (E, F)            | 3C            | R 96      | 0210820   | 82 Ω 1/4W N.I.R.                 | 2C       |           | 2430360   | Headphone Jack Socket                 |          |
|           |           | ◀G-3000L only▶           |               |           |           | ◀G-2000SS, G-2000L only▶         |          |           | 2210340   | 4P Speaker Output Terminal            |          |
| IC 01,02  | 0360290,1 | 2SA798 (E, F)            | 3B,2B         | R 97      | 0210151   | 150 Ω 1/4W N.I.R. ◀G-3000L only▶ | 3C       |           | 2310220   | Fuse Holder ◀G-2000SS▶                |          |
|           |           | ◀G-3000L only▶           |               |           |           | ◀G-2000SS, G-2000L only▶         |          |           | 2310230   | Fuse Holder                           |          |
|           |           |                          |               | R 98      | 0210271   | 270 Ω 1/4W N.I.R. ◀G-3000L only▶ |          |           |           | ◀G-2000L, G-3000L only▶               |          |
| D 01,02   | 0310340   | 10D1                     | 3C            | R 99,100  | 0211222   | 2.2 kΩ 1W N.I.R.                 | 2D       |           |           |                                       |          |
| D 03~06   | 0310340   | 10D1                     | 3C            |           |           |                                  | 2C       |           |           |                                       |          |
|           |           | ◀G-2000SS, G-2000L only▶ |               |           |           |                                  |          |           |           |                                       |          |
|           | 0311530   | 30D2 ◀G-3000L only▶      | Diode 2C      | L 01,02   | 4210290   | RF Coil 1.5 μH                   |          |           |           |                                       |          |
| D 07~10   | 0310340   | 10D1                     | 3C            |           |           | ◀G-2000L, G-3000L only▶          |          |           |           |                                       |          |
| D 11      | 0311160   | 1S2473D                  | 2B            |           |           |                                  |          |           |           |                                       |          |
|           |           | ◀G-3000L only▶           |               |           |           |                                  |          |           |           |                                       |          |
| ZD01      | 0315970   | EQA01-13R Zener Diode    | 2D            |           |           |                                  |          |           |           |                                       |          |
| C 41      | 0655103   | 10,000 pF 500V C.C.      | 2C            |           |           |                                  |          |           |           |                                       |          |
| C 42,43   | 0549008   | 4,700 μF 35V E.C.        | 3C            | VR01      | 1011130,1 | 250 kΩ (B) x 2                   | 3D       |           |           |                                       |          |



## 2. F-2824 TUNER & PRE-AMP CIRCUIT BOARD

(Stock No. 7521651, G-2000SS) (Stock No. 7521591, G-2000L) (Stock No. 7521621, G-3000L)

Conductor Side



### Parts List

| Parts No. | Stock No.  | Description                | Position | Parts No. | Stock No. | Description                        | Position | Parts No. | Stock No.  | Description                    | Position |
|-----------|------------|----------------------------|----------|-----------|-----------|------------------------------------|----------|-----------|------------|--------------------------------|----------|
| TR01, 02  | 0305801, 2 | 2SC1047 (B, C)             | 2B       | C 11, 12  | 0669270   | 10 pF 50V C.C. <<G-2000SS>>        | 2B       | T 01      | 4235930    | IF Coil (FM)                   | 2B       |
| TR03      | 0306341, 2 | 2SC1474 (L, K)             | 2B       |           | 0669370   | 10 pF 50V C.C.                     |          | T 02      | 4235990, 1 | IF Coil (FM)                   | 2C       |
| TR04      | 0305951, 2 | 2SC945 (Q, P)              | 3D       |           |           | <<G-2000L, G-3000L>>               |          | T 03      | 4236000, 1 | IF Coil (FM)                   | 2C       |
| TR05      | 0300470    | 2SA725W (F)                | 3D       | C 13      | 0669356   | 10 pF 50V C.C. <<G-2000SS>>        | 2B       | T 04      | 0910370    | Ceramic Filter                 | 3C       |
| TR06, 07  | 0306581, 2 | 2SC1634                    | 2B       |           | 0669370   | 10 pF 50V C.C.                     |          | T 05      | 4230610    | IF Coil (AM)                   | 2B       |
| TR08      | 0308450, 1 | 2SD356 (C, D)              | 1B       | C 32      | 0573159   | 1.5 μF 35WV T.C.                   | 1C       | T 06      | 4230500    | IF Coil (AM)                   | 2C       |
| TR09, 10  | 0300900, 1 | 2SA906 (G, H)              | 1A       | C 33      | 0573339   | 3.3 μF 35WV T.C.                   | 1C       | T 07      | 4220620    | 12 μH O.S.C. (AM) <<G-2000SS>> | 3C       |
| TR11, 12  | 0306070, 1 | 2SC1313 (F, G)             | 1B       | C 34      | 0629005   | 360 pF 50V P.C.                    | 1C       | T 08      | 4220630    | 150 μH O.S.C. <<G-2000SS>>     | 3C       |
| TR13      | 0306341, 2 | 2SC1674 (L, K)             | 3C       | C 89, 90  | 0620161   | 160 pF 50V P.C.                    | 1B       |           | 4220610    | O.S.C. Coil <<G-2000SS>>       | 3C       |
|           |            | <<G-2000SS>>               |          | C 95, 96  | 0620751   | 750 pF 50V P.C.                    | 1C       |           | 4220600    | 740 μH O.S.C. Coil (AM)        |          |
|           | 0306241, 2 | 2SC1675 (L, K)             |          | C 120     | 0620152   | 1500 pF 50V P.C. <<G-2000SS>>      | 3C       | CF01, 02  | 0910380    | Ceramic Filter (FM)            | 2B, 2C   |
|           |            | <<G-2000L, G-3000L>>       |          |           | 0620361   | 360 pF 50V P.C.                    |          | LF01      | 0910220    | Low Pass Filter                | 2C       |
| TR14      | 0306241, 2 | 2SC1675 (L, K)             | 3B       |           |           | <<G-2000L, G-3000L>>               |          | VR01      | 1034250    | 4.7 kΩ (B) VCO Free-Run        | 1C       |
| TR15      | 0306241, 2 | 2SC1675 (L, K)             | 2C       | C 122     | 0620332   | 3300 pF 50V P.C. <<G-2000SS>>      | 3C       |           |            | Adjusting VR                   |          |
| TR16      | 0306241, 2 | 2SC1675 (L, K)             | 2C       |           | 0620121   | 120 pF 50V P.C.                    |          | VR02      | 1035210    | 220 kΩ Stereo Separation       | 1C       |
| TR17      | 0306341, 2 | 2SC1675 (L, K)             | 2D       |           |           | <<G-2000L, G-3000L>>               |          | VR03      | 1035150    | Adjusting VR                   | 2C       |
|           | 0306241, 2 | 2SC1675 (L, K)             |          | C 128     | 0620562   | 5600 pF 50V                        | 3C       | VR04      | 1035110    | 4.7 kΩ (B) AM Signal Meter     | 2C       |
|           |            | <<G-2000L, G-3000L>>       |          |           |           | <<G-2000L, G-3000L>>               |          |           |            | Adjusting VR                   |          |
| IC 01     | 0360350    | HA1137W } IC               | 2C       | L 01      | 4200720   | Antenna Coil (FM)                  | 3D       | S 01      | 1131060, 1 | Push-Switch, FM Muting         | 2D       |
| IC 02     | 0360320    | HA1196                     | 1C       | L 02      | 4210340   | RF Coil                            |          | S 04      | 1103580    | Rotary Switch, Selector        | 3C, D    |
| FT 01     | 0370172    | 2SK49 (H) FET              | 3B       | L 03      | 4220420   | O.S.C. Coil <<G-2000SS>>           | 2B       | S 05      | 1110380    | Slide Switch, (Bar-Ext)        |          |
|           |            |                            |          |           | 4220400   | O.S.C. Coil                        |          |           |            | <<G-2000L, G-3000L>>           |          |
| D 01 ~03  | 0311160    | 1S2473D Diode              | 2C, 3D   | L 04      | 4900140   | 1 μH Inductor                      | 2A       | VC01      | 1220220    | AM/FM Variable Capacitor       | 2, 3B    |
| ZD01      | 0315970    | EQA01-13R Zener Diode      |          | L 05      | 4290300   | 18 μH Inductor                     | 2C       | TC03      | 1230090    | Trimmer Capacitor              | 2B       |
| C 01, 03  | 0669347    | 12 pF 50V C.C.             | 3B, 2B   | L 06      | 4290011   | Peaking Coil 3.5 μH                | 2C       | TC04 ~06  | 1230060    | Trimmer Capacitor              | 3C       |
| C 04      | 0669210    | 10 pF 50V C.C.             | 2A       | L 07      | 4200740   | Antenna Coil (AM)                  | 3C       |           |            | <<G-2000SS, G-2000L>>          |          |
| C 06      | 0669505    | 5 pF 50V C.C. <<G-2000SS>> | 2A       |           |           | <<G-2000L, G-3000L>>               |          | TC07      | 1230060    | Trimmer Capacitor <<G-2000L>>  | 3D       |
|           | 0669503    | 3 pF 50V C.C.              |          | L 08      | 4200730   | Antenna Coil                       | 1A       | TC08      | 1230060    | Trimmer Capacitor              | 3A       |
|           |            | <<G-2000L, G-3000L>>       |          |           |           | <<G-2000L, G-3000L>>               |          |           |            | <<G-2000L only>>               |          |
| C 09      | 0679012    | 1.5 pF 500V                | 2B       | L 09      | 4200620   | Antenna Coil <<G-2000SS>>          | 3C       | J 01      | 2090030    | 5P DIN Socket                  | 1A       |
|           |            | Gimmick Capacitor          |          | L 10      | 4200630   | Antenna Coil <<G-2000SS>>          | 3C       |           | 2210330    | 4P Antenna Terminal            |          |
| C 10      | 0669372    | 12 pF 50V C.C.             | 2B       |           | 4230620   | IF Coil <<G-2000L, G-3000L>>       |          |           | 2230180    | Ground Terminal                |          |
|           |            | Gimmick Capacitor          |          | L 11      | 4900220   | 100 mH Inductor                    | 2C       |           | 2200410, 1 | 8P Input Terminal              |          |
|           |            | <<G-2000SS>>               |          | L 12      | 4900110   | 100 μH Inductor                    | 1C       |           |            |                                |          |
|           | 0669355    | 20 pF 50V C.C.             |          | L 13      | 4290011   | 3.5 x 10 <sup>6</sup> H Choke Coil |          |           |            |                                |          |
|           |            | <<G-2000L, G-3000L>>       |          |           |           | <<G-2000L only>>                   |          |           |            |                                |          |

**3. F-2825 Circuit Board for Signal Meter**  
(Stock No. 7521661, G-2000SS) (Stock No. 7521601, G-2000L)  
(Stock No. 7521631, G-3000L)

Conductor Side

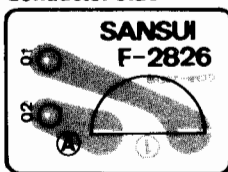


Parts List

| Parts No. | Stock No.  | Description  |
|-----------|------------|--------------|
| M 01      | 4301110, 1 | Signal Meter |

**4. F-2826 Circuit Board for Tuning Meter**  
(Stock No. 7521671, G-2000SS) (Stock No. 7521611, G-2000L)  
(Stock No. 7521641, G-3000L)

Conductor Side

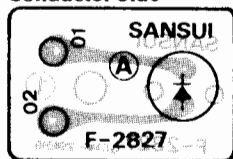


Parts List

| Parts No. | Stock No.  | Description  |
|-----------|------------|--------------|
| M 02      | 4301120, 1 | Tuning Meter |

**5. F-2827 Circuit Board for Stereo Indicator**  
(Stock No. 7540831, G-2000SS) (Stock No. 7540821, G-2000L)  
(Stock No. 7540841, G-3000L)

Conductor Side

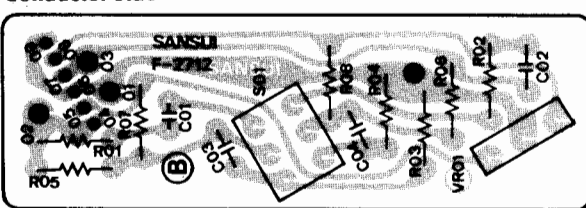


Parts List

| Parts No. | Stock No. | Description         |
|-----------|-----------|---------------------|
| LD01      | 0319060   | Light Emitted Diode |

**6. F-2712 Loudness Circuit Board**  
(Stock No. 7562051, G-2000SS) (Stock No. 7562041, G-2000L)  
(Stock No. 7562061, G-3000L)

Conductor Side

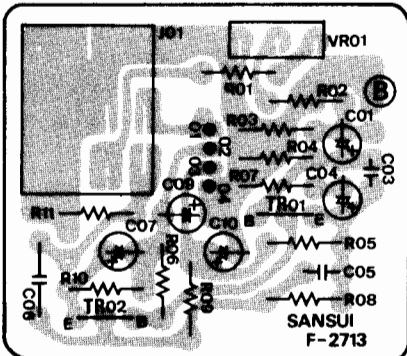


Parts List

| Parts No. | Stock No.  | Description                   |
|-----------|------------|-------------------------------|
| VR01      | 1005350, 1 | 250 kΩ (B) x 2 Balance Volume |
| S 01      | 1131490, 1 | Push Switch, loudness         |

**7. F-2713 Microphone Amp Circuit Board**  
(Stock No. 7610211, G-2000SS) (Stock No. 7610221, G-2000L)  
(Stock No. 7610201, G-3000L)

Conductor Side

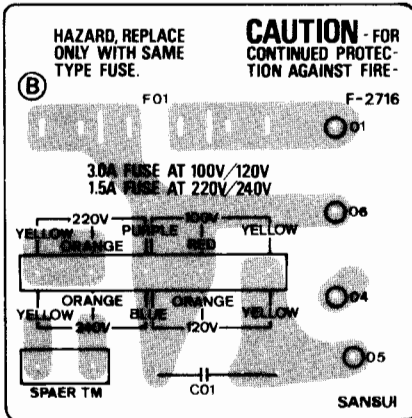


Parts List

| Parts No. | Stock No.  | Description               |
|-----------|------------|---------------------------|
| TR01      | 0300470, 1 | 2SA726W (F, G) Transistor |
| TR02      | 0306070, 1 | 2SC1313 (F, G) Transistor |
| VR01      | 1005340, 1 | 20 kΩ (A) Mixing Volume   |
| J 01      | 2430370    | Mic Jack Socket           |

**8. F-2716 Voltage Selector Circuit Board**  
(Stock No. 7502691, G-2000SS only)

Conductor Side

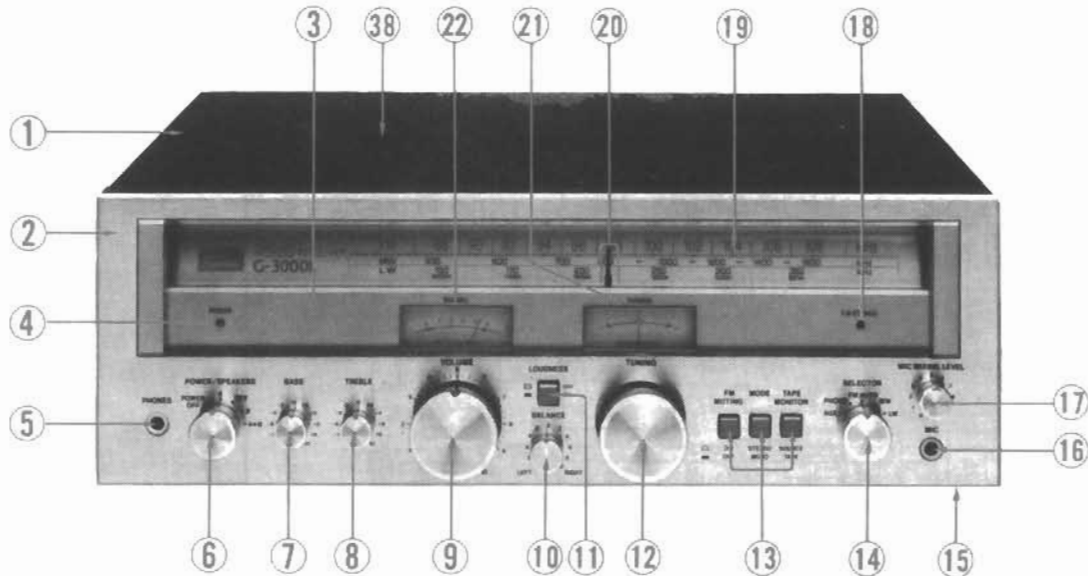


Parts List

| Parts No. | Stock No. | Description           |
|-----------|-----------|-----------------------|
| C 01      | 0659802   | 0.0047 μF 150V C.C.   |
| F 01      | 0432230   | 1.5A 250V Fuse Holder |
|           | 2310220   |                       |

## 5. OTHER PARTS

<Front View>  
<<G-3000L>>



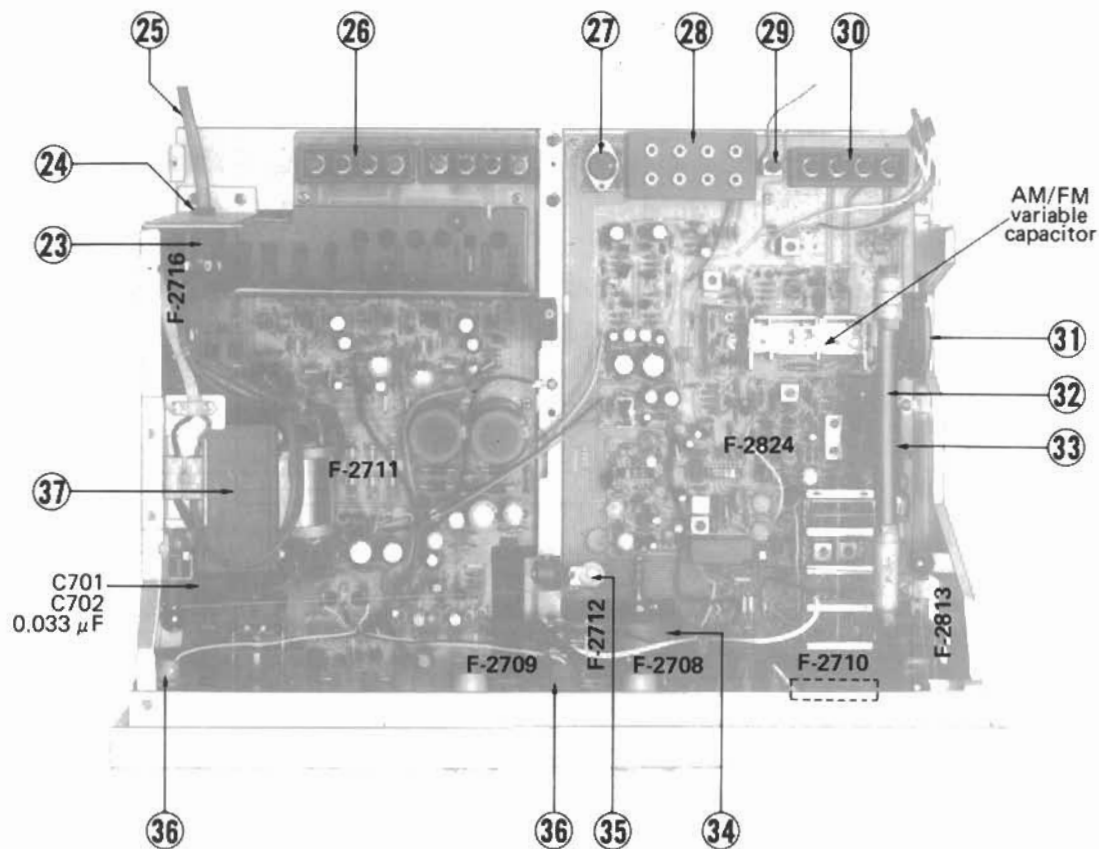
Parts List <<G-2000SS, G-2000L, G-3000L>>

| Parts No. | Stock No.  | Description                        | Parts No. | Stock No.  | Description                       | Parts No.  | Stock No.  | Description                     |
|-----------|------------|------------------------------------|-----------|------------|-----------------------------------|------------|------------|---------------------------------|
| 1         | 5727061    | Wood Bonnet                        | 14        | 5319140    | Selector Switch Knob              | 34         | 7036540    | Tuning Unit                     |
|           | 5236690    | W.B Type Bushing                   |           | 1103580    | 3-stage Rotary Switch             |            |            | Washer                          |
| 2         | 7007800    | Front Panel Ass'y <<G-2000SS>>     | 15        | 5058792    | Bottom Plate                      |            |            | Flywheel                        |
|           | 7007790    | Front Panel Ass'y <<G-2000L>>      |           | 5517250    | Leg                               |            |            | Tuning Shaft                    |
|           | 7007780    | Front Panel Ass'y <<G-3000L>>      | 16        | 2430370    | Microphone Jack Socket            | 35         | 7136100    | Tension Unit                    |
| 3         | 5305691    | Inside Panel                       | 17        | 5319130    | Microphone Mixing Volume Knob     | 36         | 0400560    | Pilot Lamp Ass'y                |
| 4         | 5426410    | Power Illuminator Bar              |           | 1005340, 1 | 20 kΩ (A), Microphone             | 37         | 4002660    | Power Transformer <<G-2000SS>>  |
| 5         | 2430380    | Headphone Jack Socket              |           |            | Mixing Volume                     |            | 4002664    | Power Transformer <<G-2000L>>   |
|           |            | <<G-2000SS, G-2000L>>              | 18        | 0319060    | L.E.D. FM Stereo Indicator        |            | 4002654    | Power Transformer <<G-3000L>>   |
|           |            | <<G-3000L>>                        |           | 5289180    | L.E.D. Holder                     | TR 15, 16  | 0308392, 3 | 2SD313 (E, F)                   |
|           |            | <<G-3000L>>                        |           | 5136030    | Plastic Rivet                     |            |            | <<G-2000SS, G-2000L>>           |
| 6         | 5319140    | Knob, power (8 speaker) switch     | 19        | 5408260    | Dial Scale <<G-2000SS>>           |            |            | 0306541, 2                      |
|           | 1190530    | Power Switch <<G-2000SS>>          |           | 5408340    | Dial Scale <<G-2000L>>            |            |            | 2SC1986 (Q, Y)                  |
|           | 1190600    | Power Switch <<G-2000L>>           |           | 5408250    | Dial Scale <<G-3000L>>            | TR 17, 18  | 0303232, 3 | <<G-3000L>>                     |
|           | 1101880    | Power & Speaker Rotary Switch      | 20        | 7116031    | Dial Pointer Ass'y                |            |            | 2SB507 (E, F)                   |
|           |            | <<G-3000L>>                        | 21        | 4301120, 1 | Tuning Meter                      |            |            | <<G-2000SS, G-2000L>>           |
|           |            | <<G-3000L>>                        | 22        | 4301110, 1 | Signal Meter                      |            |            | 2SA771 (Q, Y)                   |
|           |            | <<G-3000L>>                        | 23        | 2450060    | AC outlet <<G-2000SS only>>       |            |            | <<G-3000L>>                     |
| 7         | 5319130    | BASS Volume Knob                   | 24        | 3910600    | AC Cord Clip <<G-2000SS>>         |            |            | 5288721                         |
|           | 1015300, 1 | 100 kΩ x 2 BASS Volume             | 25        | 3910490    | AC Cord Clip <<G-2000L, G-3000L>> | C 701      | 0605337    | Plate for the transistor        |
| 8         | 5319130    | TREBLE Volume Knob                 |           | 3800010, 4 | AC Cord <<G-2000SS>>              | C 701, 702 | 0598337    | 0.033 μF 250V M.C. <<G-2000SS>> |
|           | 1015300, 1 | 100 kΩ x 2 TREBLE Volume           |           | 3800120, 1 | AC Cord <<G-2000L, G-3000L>>      |            |            | 0.033 μF 250V M.P.              |
| 9         | 5318980    | Level Volume Knob                  |           | 2210340    | 4P Speaker Terminal               | C 703      | 0659802    | <<G-2000L, G-3000L>>            |
|           | 1011130, 1 | 250 kΩ (B) x 2 Level Volume        | 26        | 2090030    | 5P DIN Socket                     |            |            | 0.0047 μF 150V C.C.             |
| 10        | 5319130    | BALANCE Volume Knob                | 27        | 2200410, 1 | 8P Input Terminal                 |            |            | <<G-2000L, G-3000L>>            |
|           | 1005350, 1 | 250 kΩ x 2 (B), BALANCE Volume     | 28        | 2230180    | Ground Terminal                   |            |            | 1220220                         |
| 11        | 5326690    | Loudness Switch Knob               | 29        | 2210330    | 4P Antenna Terminal               |            |            | AM-FM Variable Capacitor        |
|           | 1131490, 1 | Loudness Switch                    | 30        | 6146670    | D-44 Type Pulley                  |            |            |                                 |
| 12        | 5318970    | Tuning Knob                        | 31        | 4200750    | Bar Antenna <<G-2000L, G-3000L>>  |            |            |                                 |
| 13        | 1131060, 1 | 3-gang Push Switch                 | 32        | 5289170    | Bar Antenna Holder                |            |            |                                 |
|           | 5326690    | Knob, tape monitor, mode FM muting | 33        |            | <<G-2000L, G-3000L>>              |            |            |                                 |

### • Abbreviations

|        |                            |         |                                   |
|--------|----------------------------|---------|-----------------------------------|
| C.R.   | : Carbon Resistor          | E.C.    | : Electrolytic Capacitor          |
| S.R.   | : Solid Resistor           | BP.E.C. | : Bi-Polar Electrolytic Capacitor |
| Ce.R.  | : Cement Resistor          | C.C.    | : Ceramic Capacitor               |
| M.R.   | : Metal Film Resistor      | Mi.C.   | : Mica Capacitor                  |
| F.R.   | : Fusing Resistor          | O.C.    | : Oil Capacitor                   |
| N.I.R. | : Non-Inflammable Resistor | P.C.    | : Polystyrene Capacitor           |
| M.C.   | : Mylar Capacitor          | E.C.    | : Tantalum Capacitor              |

<Top View>  
<<G-3000L>>



## 6. PARTS REPLACEMENT

### 1. Square Knobs of Loudness, FM Muting, Mode & Tape Monitor

1. Take off a wood bonnet, front & inside panels.
2. Then, pull out knobs to which are not glued as Fig. 1.

### 2. Tuning & Signal Meter

1. Complete 1. & 2. above.
2. Take off the meter as Fig. 2, then put it back into same place until snapped.

Fig. 1

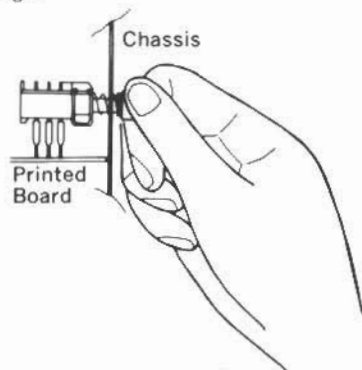
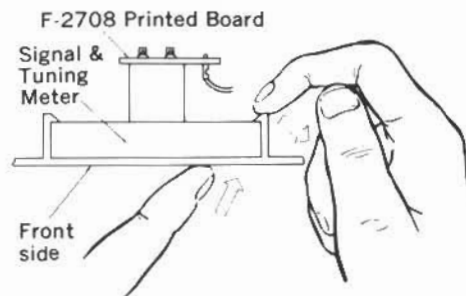


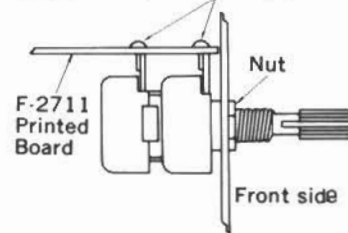
Fig. 2



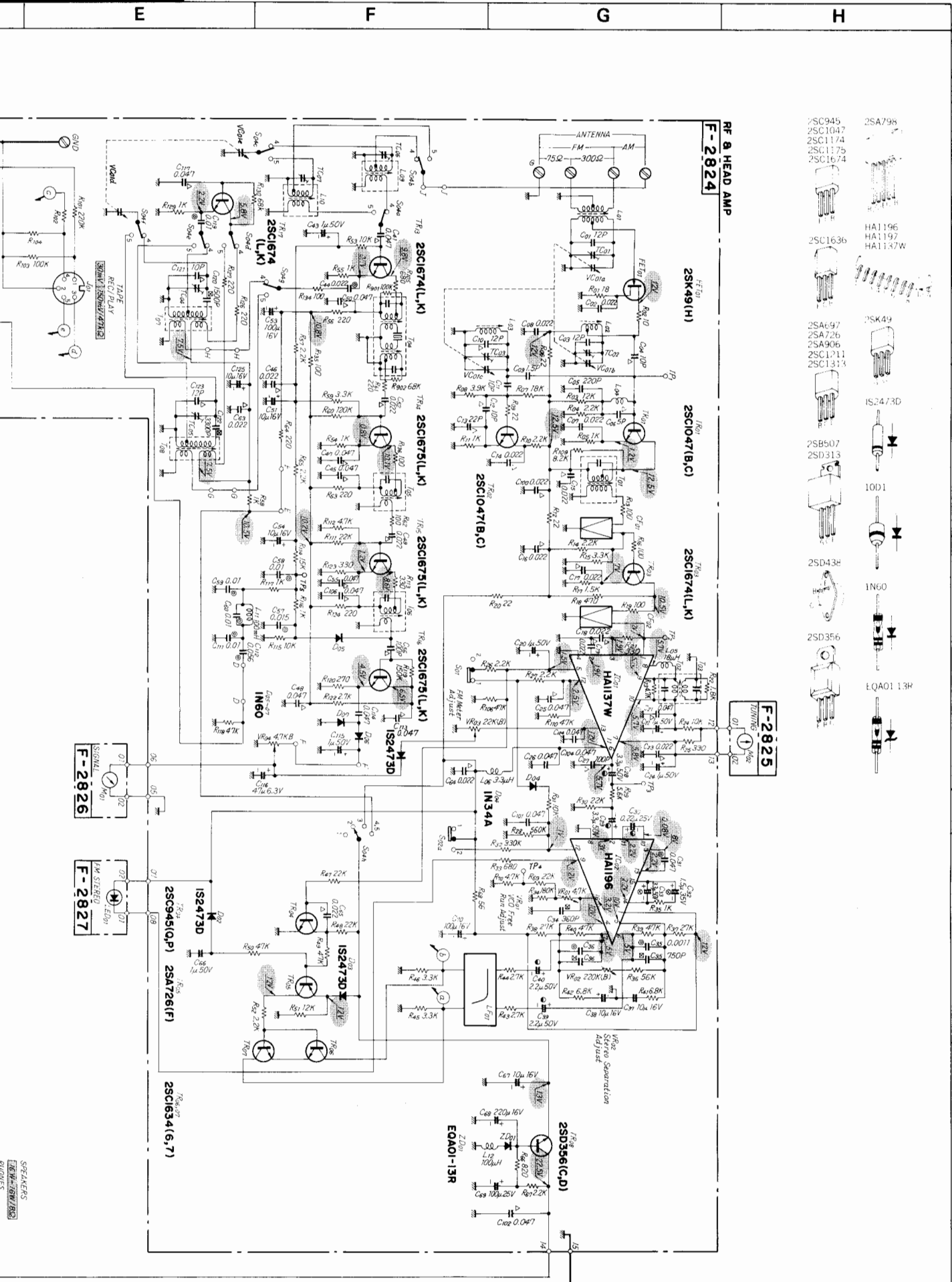
### 3. Level Volume

1. Take off the two panels and one nut for level volume.
2. Then, unsolder six points installing the level volume on pattern side of F-2711 printed board.

Fig. 3 Level Volume  
(Bottom side) Soldering points







- 1
- 2
- 3
- 4
- 5

- 2SC945
- 2SC1047
- 2SC1174
- 2SC1175
- 2SC1674
- 2SA798
- HA1196
- HA1197
- HA1147W
- 2SC1636
- 2SK49
- 2SA697
- 2SA736
- 2SA906
- 2SC1211
- 2SC1314
- IS24730
- 2SB507
- 2SD313
- 1001
- IN60
- 2SD43R
- 2SD356
- EQA01-13R

RF & HEAD AMP  
F-2924  
2SK49(H)  
2SC1047(B,C)  
2SC1674(L,K)  
F-2925  
ZIMING

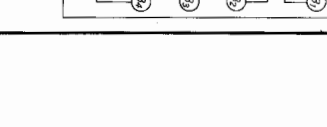
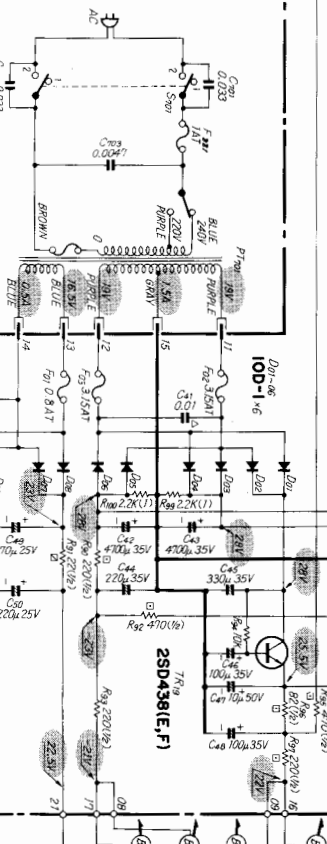
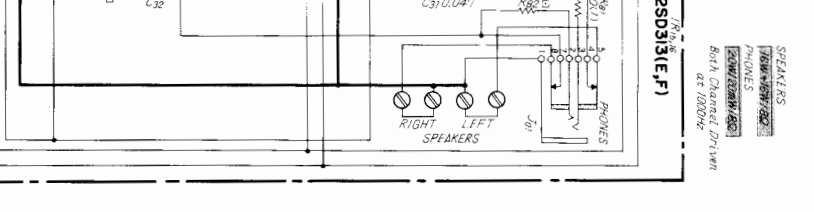
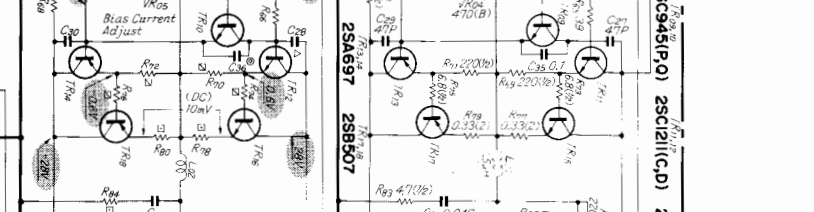
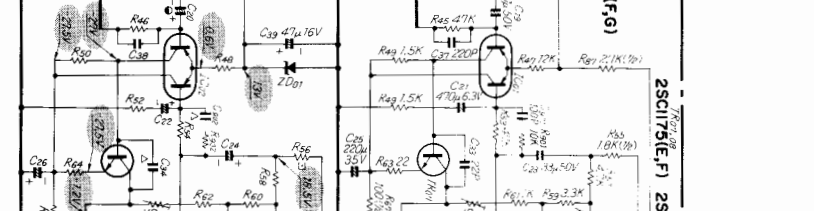
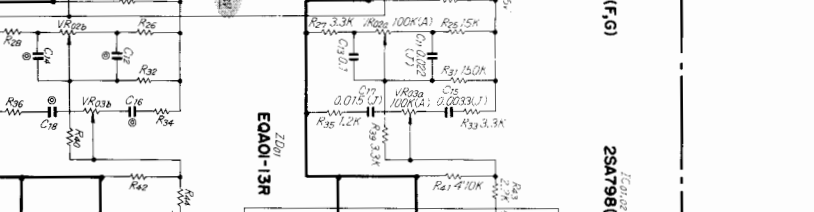
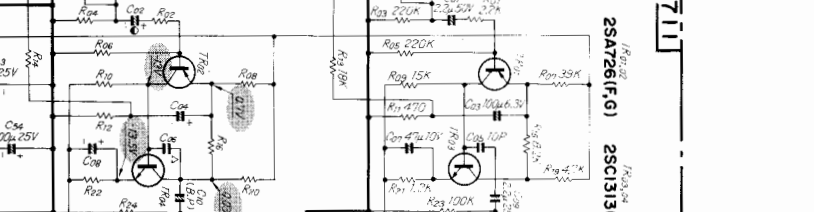
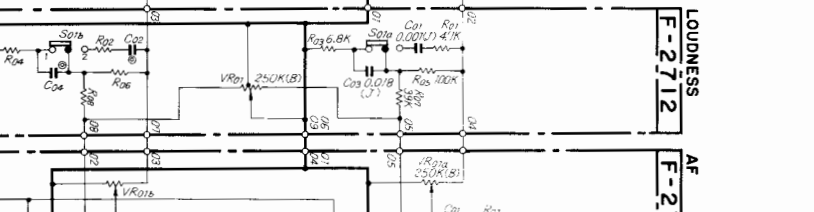
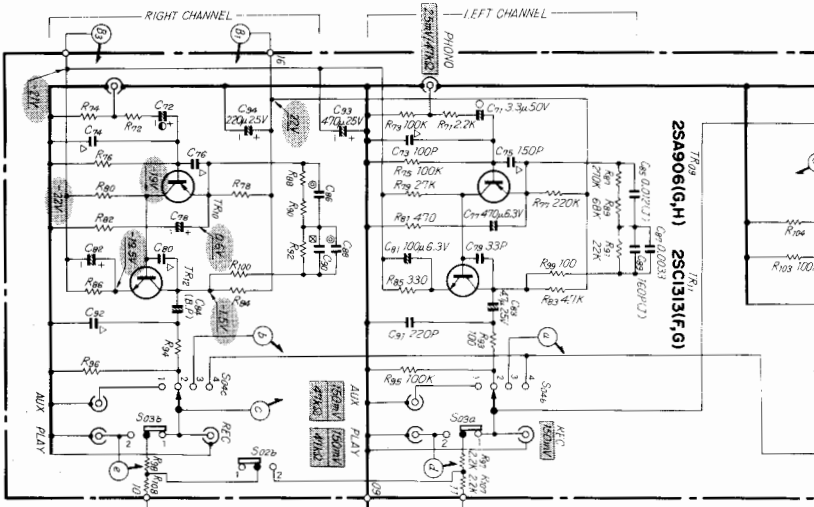
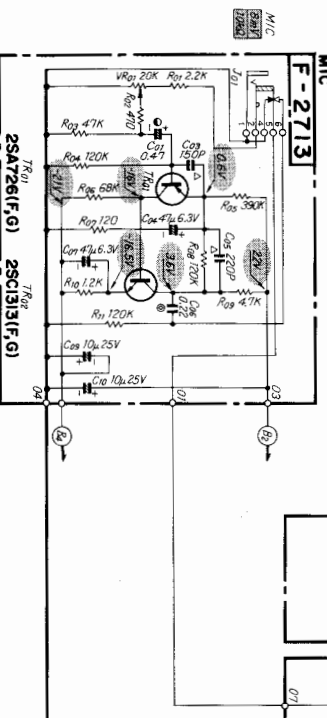
F-2926  
F-2927

SPEAKERS  
EQA01-13R

A B C D

◀G-2000▶

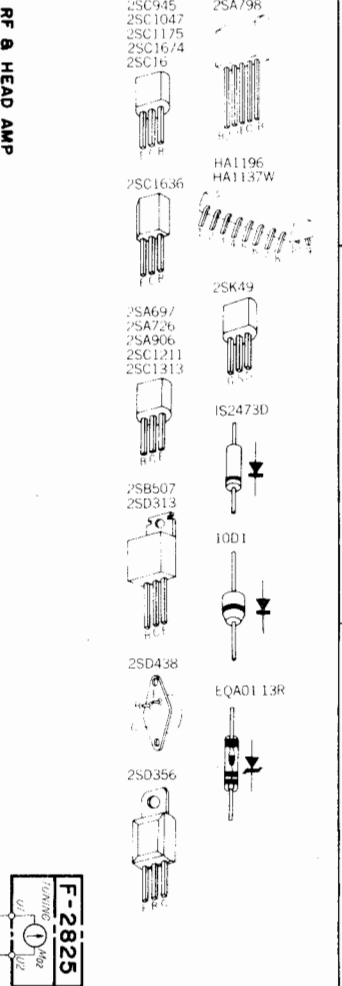
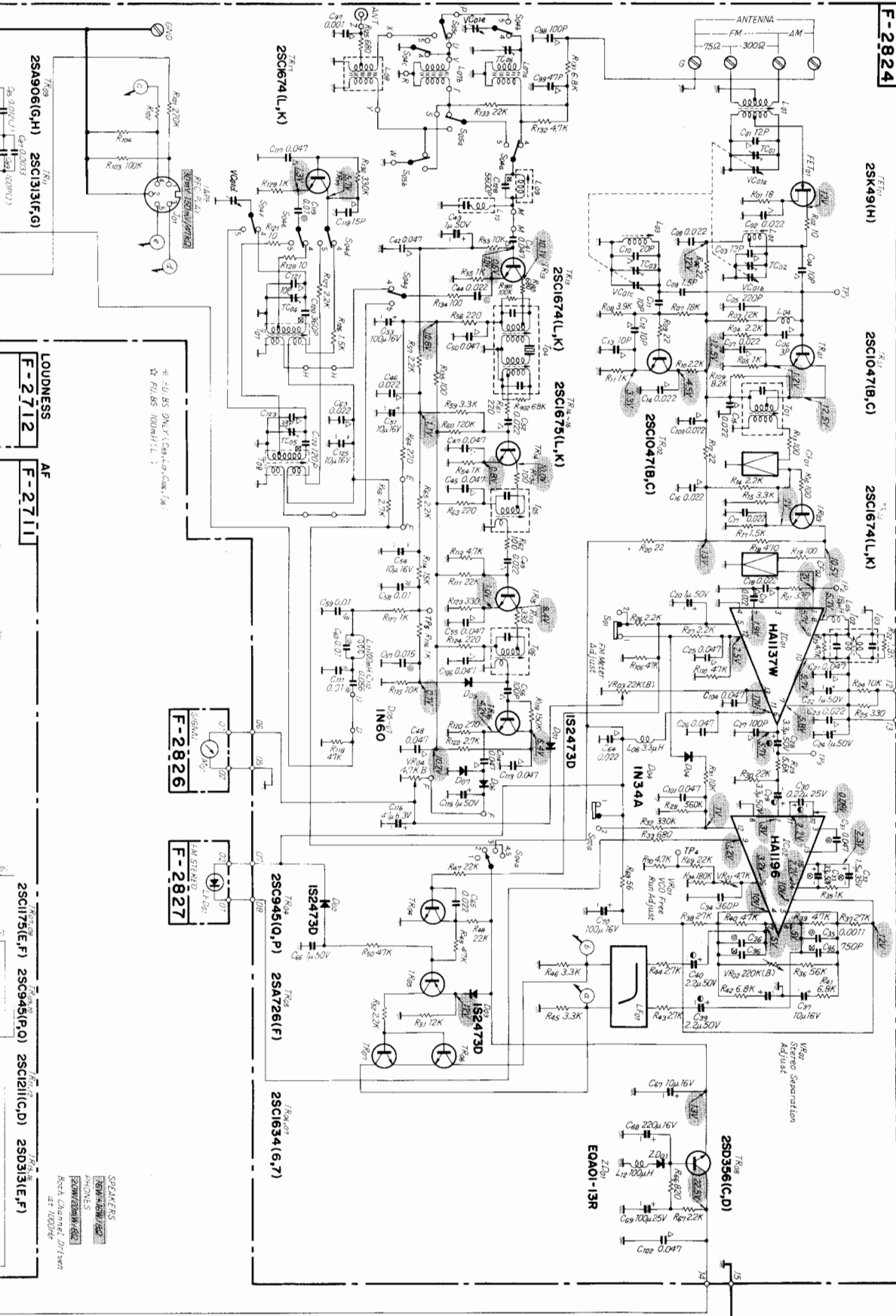
- SWITCHES & CONTROLS**
- POWER SW1 1, off
  - LOUDNESS F-2712 1, off
  - FM MUTING E-2712 1, on
  - MODE F-289A 1, stereo
  - TAPE F-289A 2, auto
  - SELECTOR F-289A 2, stereo
  - F-289A 2, mono
  - F-289A 2, auto
  - F-289A 2, stereo
  - F-289A 2, auto
  - F-289A 2, stereo
- SYMBOLS**
- ⊖ Minus
  - ⊕ Plus
  - ⊘ Alternating Electrolytic
  - ⊙ Mylex
  - ⊖ Be-lead Electrolytic
  - ⊕ Be-lead Electrolytic
  - ⊖ Non-film Electrolytic
  - ⊕ Non-film Electrolytic
  - ⊖ Resistor
  - ⊕ Resistor
- RESISTORS**
- Are in ohms, % unless .5% tolerance unless otherwise noted. R-xx, M, K, Ω.
- CAPACITORS**
- Are in μF unless otherwise noted. P, pF.
- TOLERANCE**
- J = ±.5%, G = ±2%, F = ±1%
- Each DC voltage shows the nominal value in volts at no input signal.



SPEAKERS  
PHONES  
Both Channel D-1-WM  
at 1000Hz



E F G H



1  
2  
3  
4  
5

LOUDNESS  
 F-2712  
 AF  
 F-2711

F-2826  
 F-2827

F-2825

2SC1175(E,F) 2SC945(P,Q) 2SC1211(C,D) 2SD313(E,F)

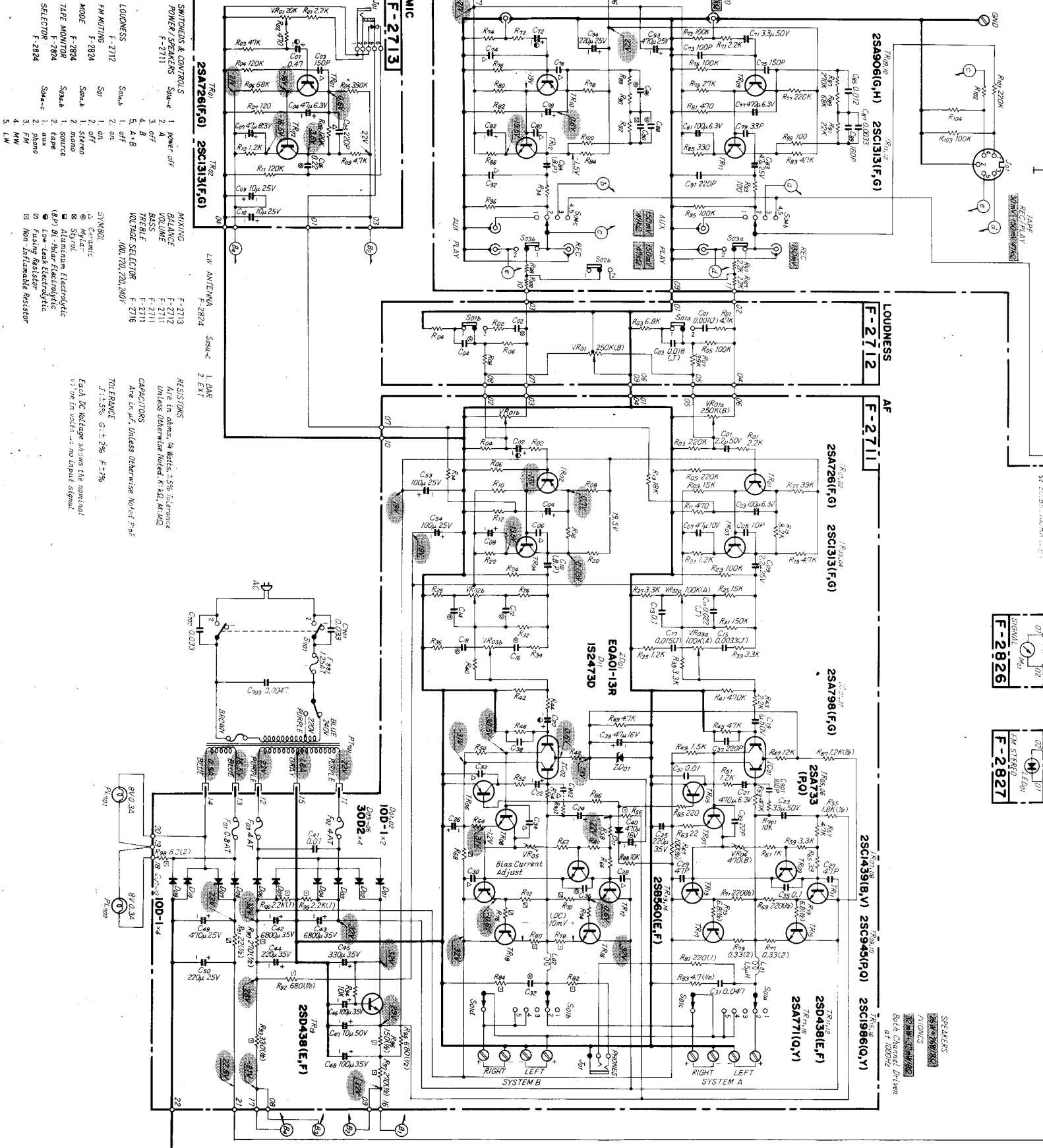
←G-3000L→

A

B

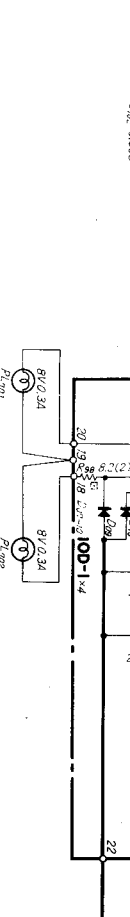
C

D

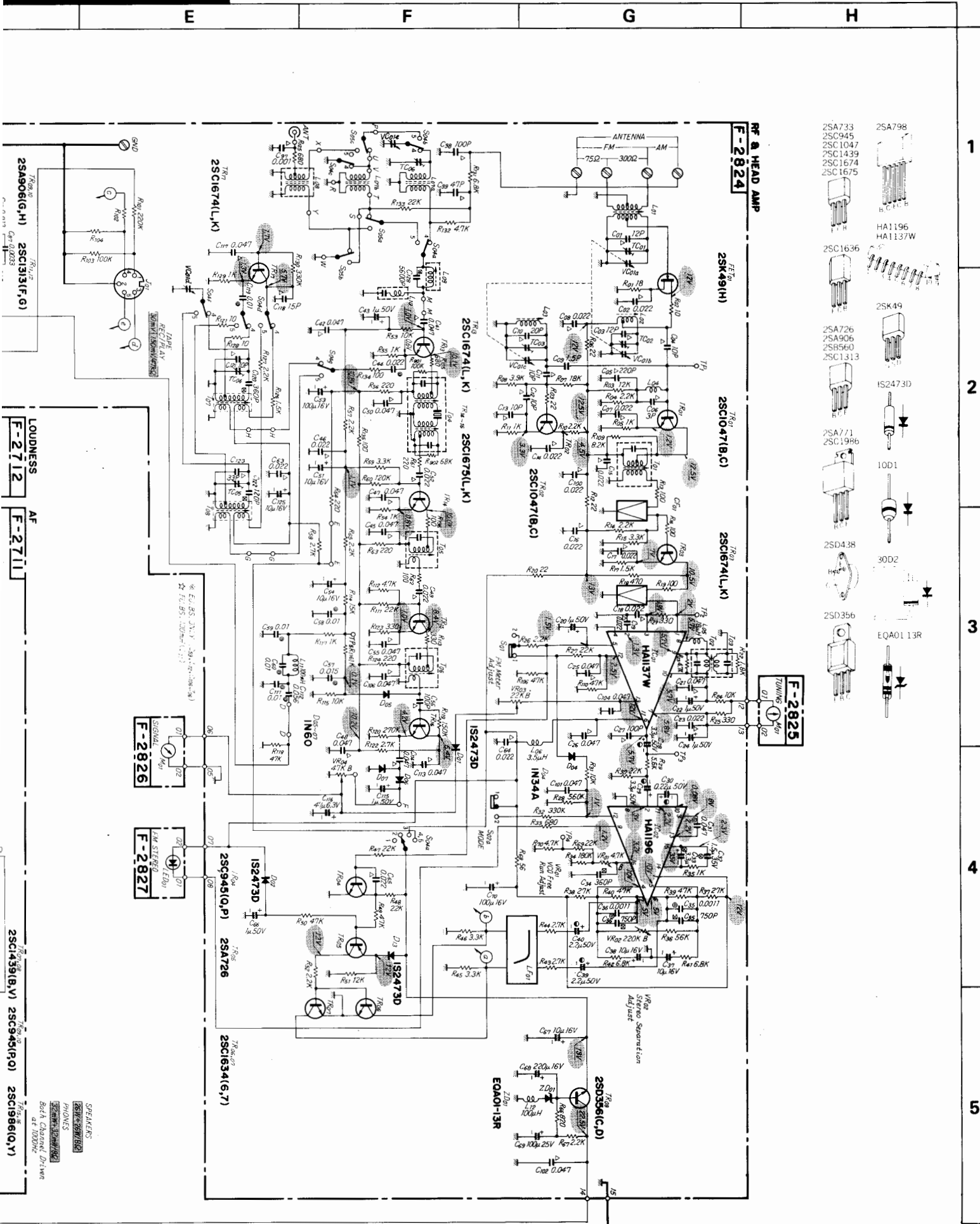


- SWITCHES & CONTROLS**  
POWER/SPEAKERS S1a-c  
F-2711
- LOUDNESS**  
F-2712
- FM MUTING**  
F-2712
- MODE**  
F-2712
- TAPE MONITOR**  
F-2712
- SELECTOR**  
F-2712

- MIXING**  
BALANCE F-2713  
VOLUME F-2712  
TREBLE F-2711  
BASS F-2711
- VOLUME SELECTOR**  
F-2716
- RESISTORS**  
Are in ohms, % unless otherwise indicated.  
Unless otherwise noted, M=1M, K=1K, W=1W.
- CAPACITORS**  
Are in  $\mu$ F, unless otherwise noted. P=pF.
- SYMBOLS**  
△ Ceramic  
□ Mylar  
⊗ Styrol  
⊕ Aluminum Electrolytic  
⊖ Polystyrene Electrolytic  
⊘ Fusing Resistor  
⊙ Non-Inflammable Resistor
- TOLERANCE**  
J:  $\pm 5\%$  G:  $\pm 2\%$  F:  $\pm 1\%$
- Each DC Voltage shows the nominal voltage in volts, + or - no input signal.



SPEAKERS  
PHONES  
Both Channels Driven  
at 1000Hz



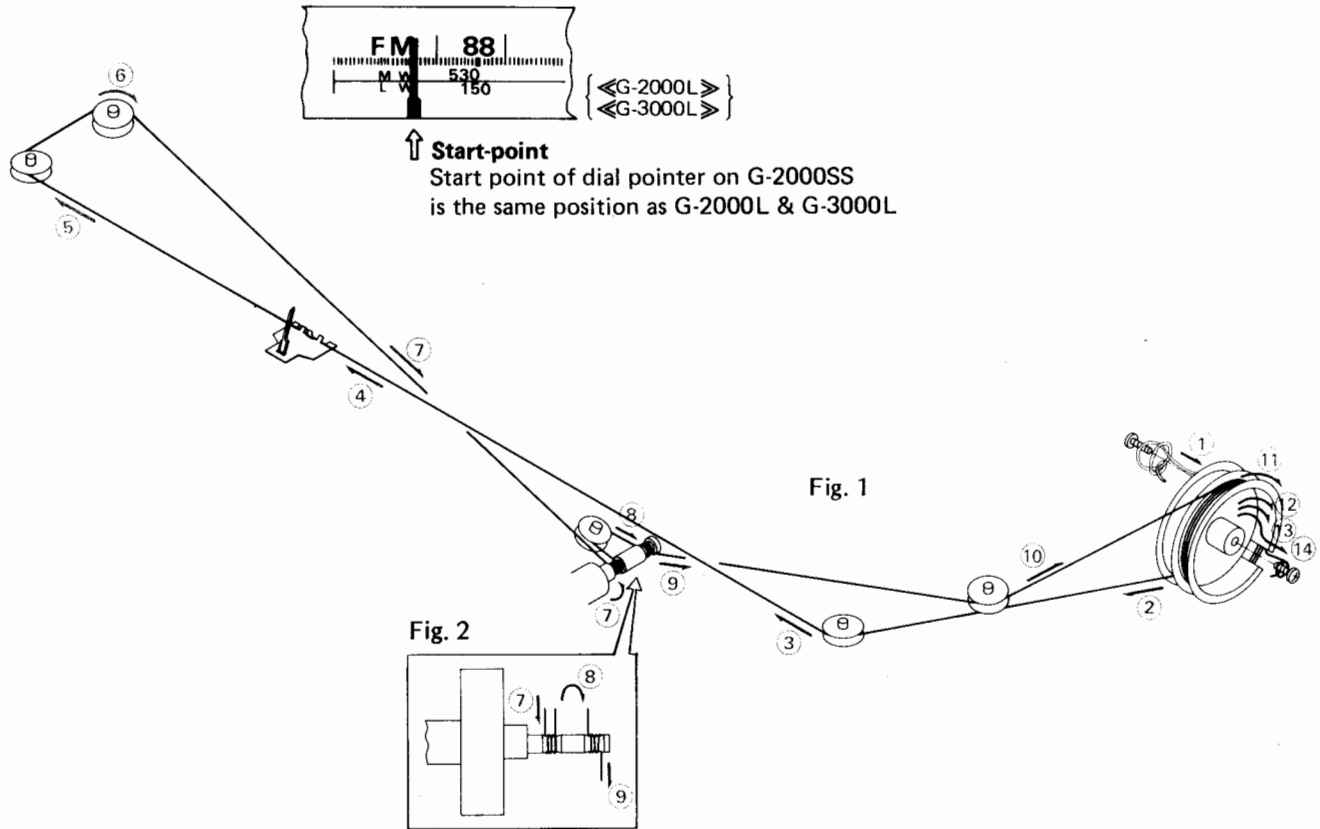
- 2SA733
- 2SC045
- 2SC1047
- 2SC1439
- 2SC1674
- 2SC1675
- 2SA798
- HA1196
- HA1137W
- 2SC1636
- 2SK49
- 2SA726
- 2SA906
- 2SB560
- 2SC1313
- IS2473D
- 2SA771
- 2SC1986
- 10D1
- 30D2
- 2SD438
- 2SD356
- EQAO1-13R

1  
 2  
 3  
 4  
 5

SPEAKERS  
 PHONES  
 Both Channels Driven  
 at 1000Hz

## 8. THREADING OF DIAL CORD

- \* If a dial cord is cut off or slips, replace it by following procedures.  
As this unit uses 0.5 mm  $\phi$  cord, please replace it with the same type certainly.
- \* The length of dial cord is approximately 160 cm (65.3 inch).



### Threading of Dial Cord

Thread the dial cord in numerical order from 1 to 14 as Fig. 1.

- \* Close the variable capacitor completely (Maximum Capacitance).

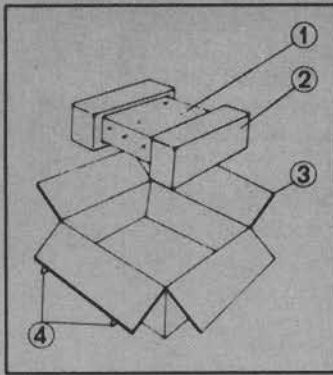
### Attachment of Dial Pointer

- 1) Close the variable capacitor completely.
  - 2) Set the dial pointer to start point on dial scale as Fig. 2.
- \* Confirm that the dial pointer runs smoothly on the dial scale by turning the turning shaft.

| Stock No. | Description                |
|-----------|----------------------------|
| 6036050   | Dial Cord (0.5 mm $\phi$ ) |
| 6146670   | Dial Pulley                |

## 9. PACKING LIST

| Parts No. | Stock No. | Description              |
|-----------|-----------|--------------------------|
| 1         | 9116143   | Vinyl Cover              |
| 2         | 9028090   | Stylofoam Packing        |
| 3         | 9009960   | Carton Case <<G-2000SS>> |
|           | 9009970   | Carton Case <<G-2000L>>  |
|           | 9009940   | Carton Case <<G-3000L>>  |
| 4         | 5996080   | Curl Stopper             |



## 10. ACCESSORY PARTS LIST

| Stock No. | Description                         |
|-----------|-------------------------------------|
| 9203370   | Operating Instructions <<G-2000SS>> |
| 9203360   | Operating Instructions <<G-2000L>>  |
| 9203350   | Operating Instructions <<G-3000L>>  |
| 9237690   | Schematic Diagram <<G-2000SS>>      |
| 9237680   | Schematic Diagram <<G-2000L>>       |
| 9237670   | Schematic Diagram <<G-3000L>>       |
| 3820100   | FM Antenna                          |

**Sansui**

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