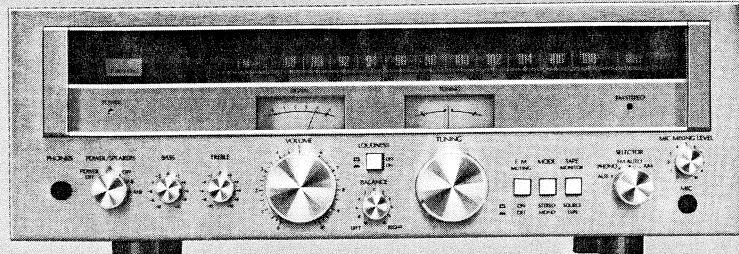


SERVICE MANUAL

AM/FM STEREO RECEIVER

SANSUI G-3500/301 G-4500/401



Sansui

SANSUI ELECTRIC CO., LTD.

SPECIFICATIONS

G-3500/301

Audio section

Power output

Min. RMS, both channels driven, from 20 to 20,000 Hz, with no more than 0.1% total harmonic distortion.

26 watts per channel into 8 ohms

Load impedance 8 ohms

Total harmonic distortion

. less than 0.1% at or below rated min.

RMS power output

Intermodulation distortion (70 Hz : 7 kHz = 4:1 SMPTE method)

. less than 0.1%

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-ohm

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

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

FM section

Tuning range 88 to 108 MHz

Usable sensitivity

Mono IHF 11.0 dBf (1.95 μV)

DIN 1.2 μV

Stereo IHF 19.0 dBf

50 dB Quieting sensitivity

Mono 15 dBf

Stereo 38 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 0.3% 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

AM section

Tuning range 530 to 1,600 kHz

Usable sensitivity (Bar antenna)

. 50 dB/m (300 μV/m)

Selectivity 35 dB

Signal to noise ratio 46 dB

Power requirements

Power voltage 100, 120, 220, 240 V (50/60 Hz)

120 V (Usable 110 ~ 130 V)

60 Hz (for U.S.A. and Canada only)

Power consumption

Rated consumption 90 watts 110 VA

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

153 mm (6-1/16") H

354 mm (14") D

Weight 7.5 kg (16.5 lbs) net

8.9 kg (19.6 lbs) packed

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

to be continued

SPECIFICATIONS

G-4500/401

Audio section
Power output
Min. RMS, both channels driven, from 20 to 20,000 Hz, with no more than 0.1% total harmonic distortion.
40 watts per channel into 8 ohms
Load impedance 8 ohms
Total harmonic distortion less than 0.1% at or below rated min.
RMS power output less than 0.1%
Intermodulation distortion (70 Hz : 7 kHz = 4:1 SMPTE method) less than 0.1%
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-ohm 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
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

FM section
Tuning range 88 to 108 MHz
Usable sensitivity
Mono IHF 11.0 dBf (1.95 μ V)
DIN 1.2 μ V
Stereo IHF 19.0 dBf
50 dB Quieting sensitivity
Mono 15 dBf
Stereo 38 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 0.3% 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 50 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
AM section
Tuning range 530 to 1,600 kHz
Usable sensitivity (Bar antenna) 50 dB/m (300 μ V/m)
Selectivity (±10 kHz) 35 dB
Signal to noise ratio 46 dB
Power requirements
Power voltage 100, 120, 220, 240 V (50/60 Hz)
120 V (Usable 110 ~ 130 V)
60 Hz (for U.S.A. and Canada only)
Power consumption
Rated consumption 115 watts 145 VA
Dimensions 433 mm (17-1/16") W
153 mm (6-1/16") H
354 mm (14") D
Weight 8.1 kg (17.9 lbs) net
9.5 kg (20.9 lbs) packed

* 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-4500/401 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

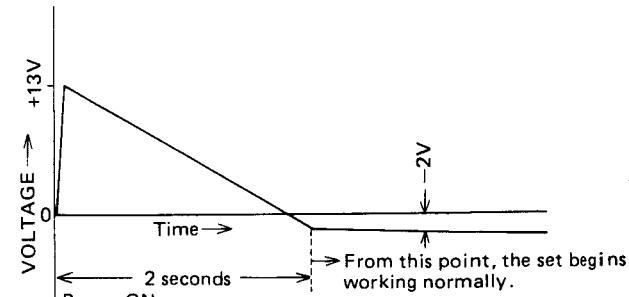
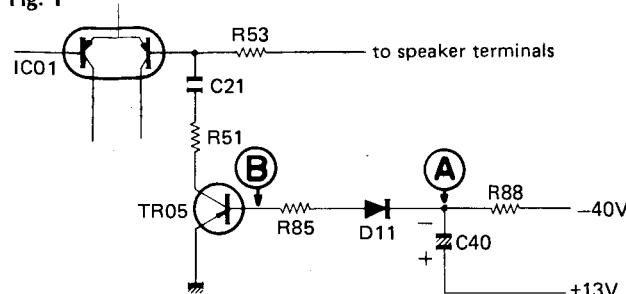


Fig. 2 Voltage variation during a certain period of time at ①

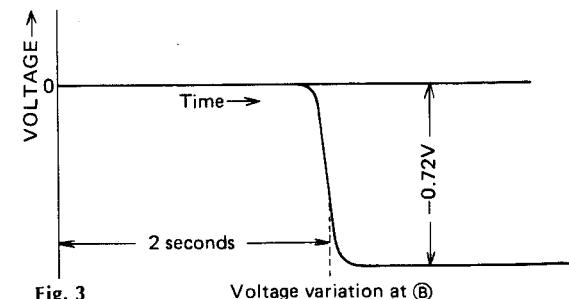
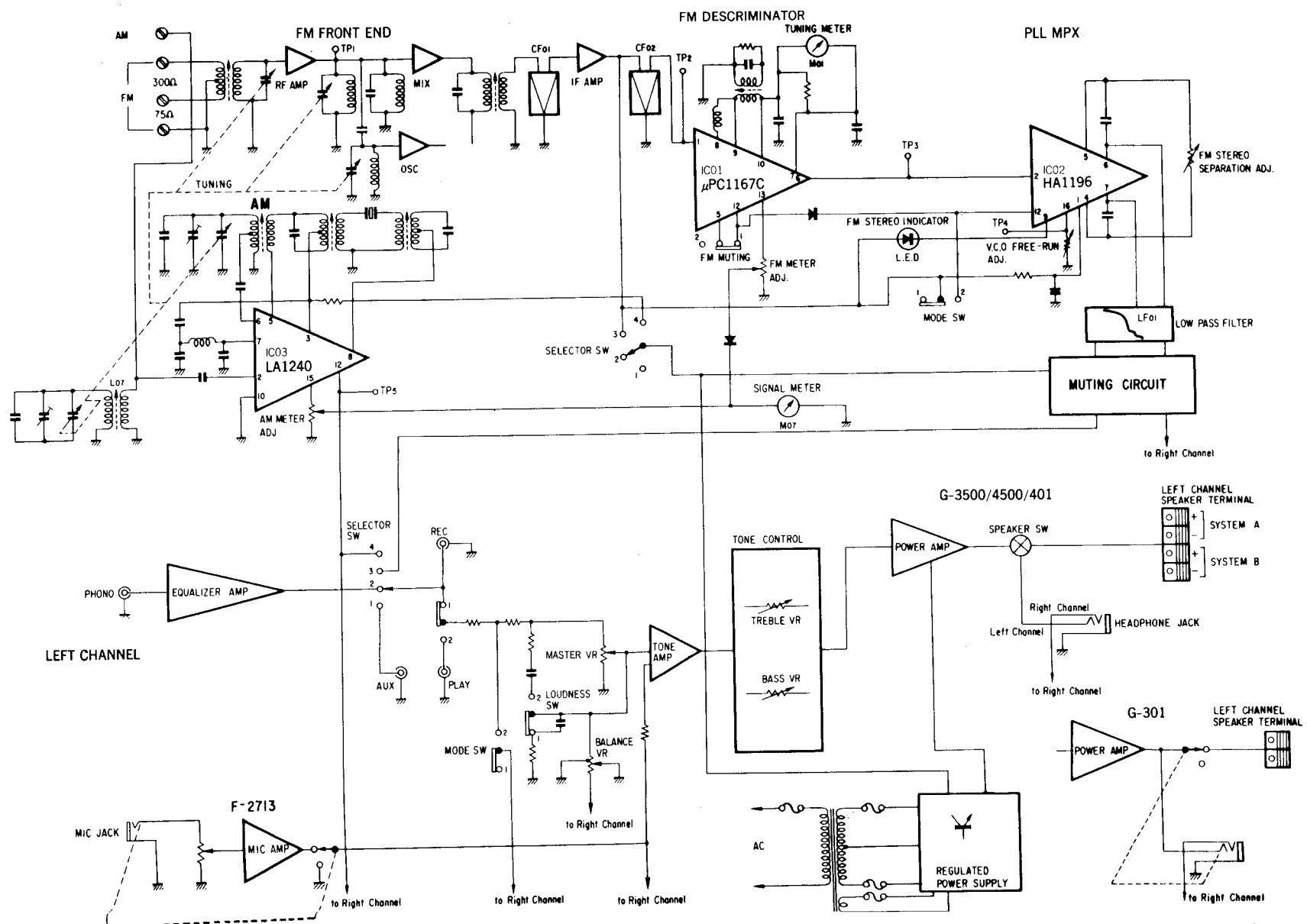


Fig. 3 Voltage variation at ②

2. BLOCK DIAGRAM

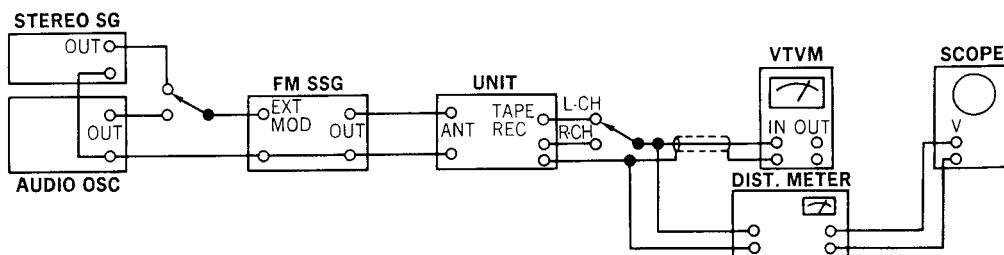
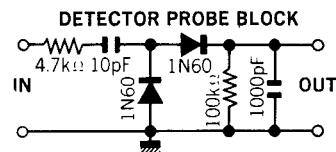
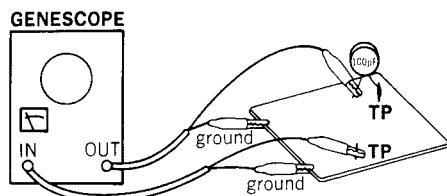


3. ADJUSTMENTS

* Refer to illustration of F-2924 circuit board on next page.

3-1. FM Adjustment

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



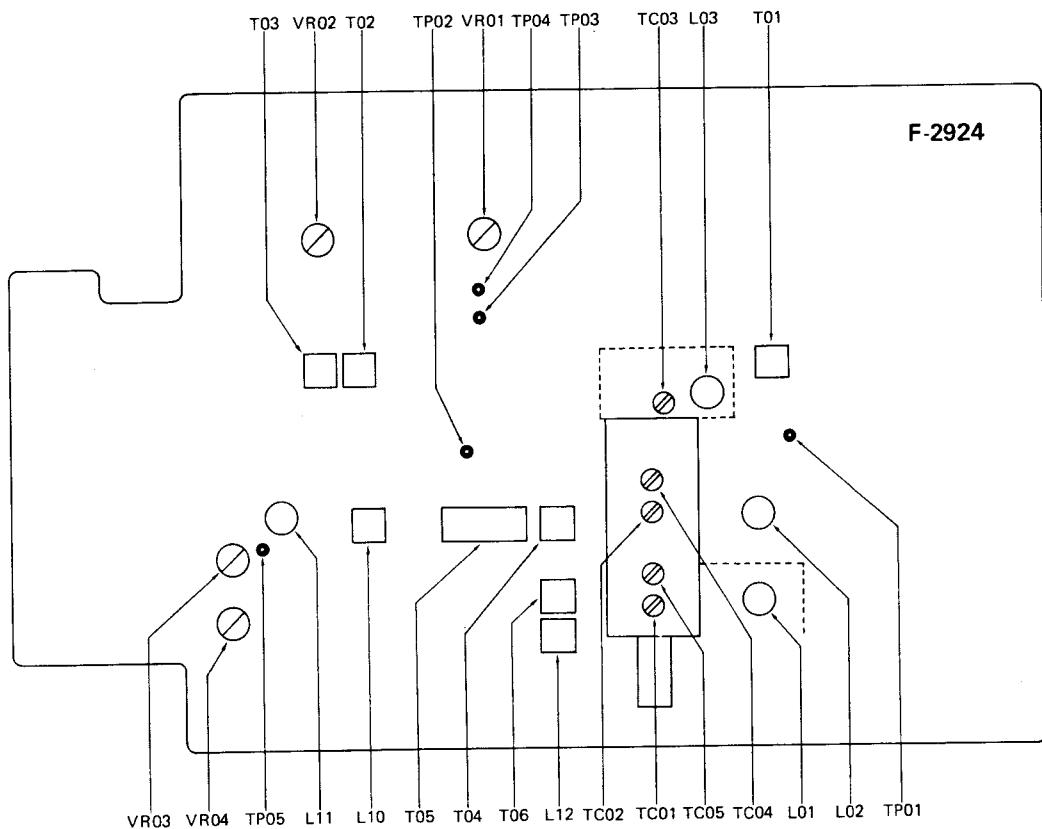
1) FM IF Adjustment & Dial Calibration

| STEP | SUBJECT | FEED SIGNAL | | MEASURE OUTPUT | ADJUST | ADJUST FOR | REMARKS |
|------|---|--|-------------------|--------------------------------|-------------------|---|---------|
| | | FROM | TO | | | | |
| 1. | IF Coil | Output 80 dB Genescope | TP01 F-2924 | TP02 F-2924 Use Detector Probe | T01 F-2924 | Max. IF waveform | |
| 2. | Discriminator Coil | Same as above | Same as above | TP03 F-2924 | T02, T03 F-2924 | Steep linearity of S curve Make symmetrical S curve | |
| | Discriminator Coil In case of using Dist Meter | 98 MHz ANT Input 65 dBf (59.8 dB) 1000 Hz (100% MOD) FM SSG | ANT terminal 300Ω | REC terminal Dist Meter | T02, T03 F-2924 | Min. T.H.D. | |
| 3. | Tuning Meter | 98 MHz ANT Input 65 dBf (59.8 dB) 1000 Hz (100% MOD) FM SSG | Same as above | Tuning Meter | T02 F-2924 | Center on Meter | |
| 4. | 90 MHz Dial Calibration | 90 MHz ANT Input 65 dBf (59.8 dB) 1000 Hz (100% MOD) FM SSG | Same as above | REC terminal VTVM & Scope | L03 F-2924 | Max. indication on Signal meter & Center indication on Tuning meter | |
| | 106 MHz Dial Calibration | 106 MHz ANT Input 65 dBf (59.8 dB) 1000 Hz (100% MOD) FM SSG | Same as above | Same as above | TC03 F-2924 | | |
| 5. | 90 MHz RF Adj. | 90 MHz ANT Input Minimum value with sine wave 1000 Hz (100% MOD) FM SSG | Same as above | Same as above | L01, L02 F-2924 | Same as above | |
| | 106 MHz RF Adj. | 106 MHz ANT Input Minimum value with sine wave 1000 Hz (100% MOD) FM SSG | Same as above | Same as above | TC01, TC02 F-2924 | Same as above | |
| 6. | Signal Meter Volume | 98 MHz ANT Input 65 dBf (59.8 dB) 1000 Hz (100% MOD) FM SSG | Same as above | Signal Meter | VR03 F-2924 | 4.3 on Meter | |

2) FM STEREO Adjustment

Note: 1. Mode STEREO

| STEP | SUBJECT | FEED SIGNAL | | MEASURE OUTPUT | ADJUST | ADJUST FOR | REMARKS |
|------|---|---|-------------------|---------------------------------------|-------------|-----------------|--|
| | | FROM | TO | | | | |
| 1. | PLL VCO Adj. | 98 MHz ANT Input 65 dBf (59.8 dB) FM SSG Pilot 19 kHz (9% MOD) SUB 1 kHz + Pilot (100% MOD) STEREO SG | ANT terminal 300Ω | Stereo indicator VR01 F-2924 | VR01 F-2924 | Light indicator | Adjust the VR01 within center of lighting level. |
| | PLL VCO Adj. In case of using Freq. counter | 98 MHz ANT Input 65 dBf (59.8 dB) FM SSG No mode | Same as above | TP04 F-2924 Use Freq. counter | VR01 F-2924 | 76 kHz ±150 Hz | |
| 2. | Separation | 98 MHz ANT Input 65 dBf (59.8 dB) FM SSG Pilot 19 kHz (9% MOD) R (or L) Mode 1 kHz + Pilot (100% MOD) STEREO SG | Same as above | REC terminal R-CH → L-CH VTVM & Scope | VR02 F-2924 | Set -34 dB | Confirm separation L-CH → R-CH (-34 dB) |



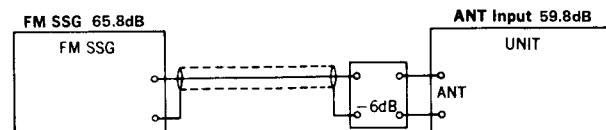
* NEW MEASUREMENT FOR FM

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.

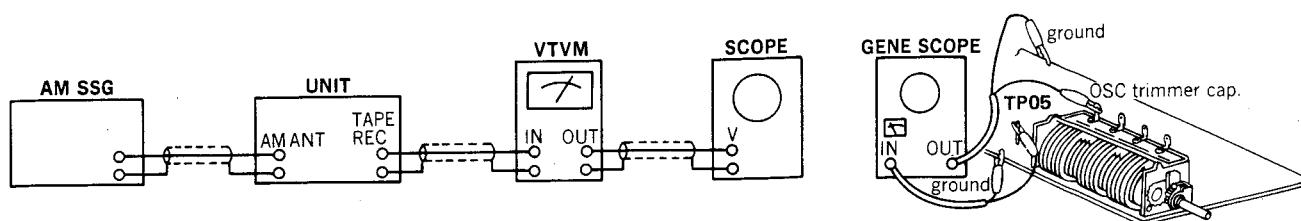
| | modulation frequency | modulation mode | modulation factor |
|-----------|----------------------|-----------------|------------------------------|
| FM MONO | 1000 Hz | | 100% |
| FM STEREO | 1000 Hz | SUB | Pilot 9% Pilot + SUB 100% |

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



3-2. AM IF Adjustment & Dial Calibration

Note: 1. Selector AM



| STEP | SUBJECT | FEED SIGNAL | | MEASURE OUTPUT | ADJUST | ADJUST FOR | REMARKS | |
|------|---------------------------|--|-----------------|-------------------------------------|---------------|---------------------------------|------------------|--|
| | | FROM | TO | | | | | |
| 1. | IF Coil | Genescope Output level 70 dB | | TC04 F-2924 | TP05 F-2924 | T05 L10 F-2924 | Max. IF waveform | |
| 2. | 600 kHz Dial Calibration | 600 kHz ANT Input 60 dB 400 Hz (MOD 30%) AM SSG | AM ANT terminal | REC terminal L or R-CH VTVM & Scope | T04 F-2924 | Max. indication on signal meter | | |
| | 1400 kHz Dial Calibration | 1400 kHz ANT Input 60 dB 400 Hz (MOD 30%) AM SSG | Same as above | | | | | |
| 3. | 600 kHz RF Adj. | 600 kHz ANT Input 50 dB 400 Hz (MOD 30%) AM SSG | Same as above | Bar Antenna L07 | Same as above | | | |
| | 1400 Hz RF Adj. | 1400 kHz ANT Input 50 dB 400 Hz (MOD 30%) AM SSG | Same as above | | | | | |
| 4. | Signal Meter volume | 1000 kHz ANT Input 80 dB 400 Hz (MOD 30%) AM SSG | Same as above | Signal Meter VR04 F-2924 | 4.5 on meter | | | |

3-3. Bias Current Adjustment (See the Picture of Top View on page 8)

1. Confirm AC power supply voltage (100 V, 120 V, 220 V or 240 V).

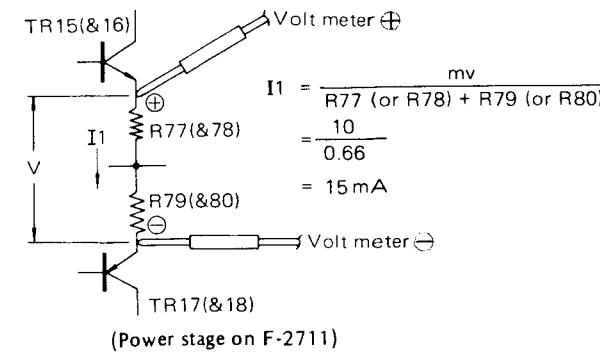
(Measure output voltage on both channel)

2. Master 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, measure the voltage between the lead + (plus) side of R77 (R78) and the lead - (minus) side of R79 (R80) on both channels.

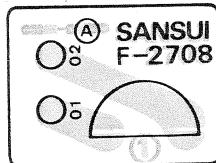


| STEP | SUBJECT | EQUIPMENT | MEASURE OUTPUT | ADJUST | ADJUST FOR |
|------|-------------------|---------------|----------------|-------------|----------------------|
| 1 | Bias Current L-CH | DC Volt meter | * See above | VR04 F-2711 | 10 mV ± 1 mV (15 mA) |
| 2 | Bias Current R-CH | DC Volt meter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

* The circuit boards, F-2708, F-2709, F-2710, F-2712, F-2713 and F-2716 are not supplied as the assembled, the individual parts on the circuit boards, however, are provided for orders.

4-3. F-2708 Circuit Board for Signal Meter

Conductor Side

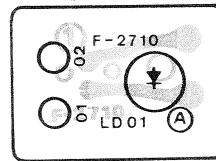


Parts List

| Parts No. | Stock No. | Description |
|-----------|------------|--------------|
| M01 | 4301230, 1 | Signal Meter |

4-5. F-2710 Circuit Board for Stereo Indicator

Conductor Side

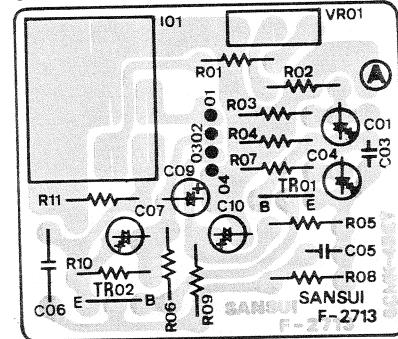


Parts List

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

4-7. F-2713 Microphone Amp Circuit Board

Conductor Side



Parts List

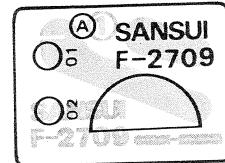
| Parts No. | Stock No. | Description |
|---------------------|------------|------------------------|
| •Transistors | | |
| TR01 | 0300470, 1 | 2SA726W F, G |
| TR02 | 0306070, 1 | 2SC1313 F, G |
| VR01 | 1005340, 1 | 20kΩ (A) Mixing Volume |
| J 01 | 2430330 | Mic. Jack Socket |

Abbreviations

| | |
|--------|----------------------------|
| C.R. | : Carbon Resistor |
| S.R. | : Solid Resistor |
| Ce.R. | : Cement Resistor |
| M.R. | : Metal Film Resistor |
| F.R. | : Fusing Resistor |
| N.I.R. | : Non-Inflammable Resistor |
| M.C. | : Mylar Capacitor |

4-4. F-2709 Circuit Board for Tuning Meter

Conductor Side

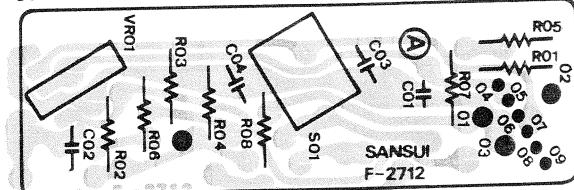


Parts List

| Parts No. | Stock No. | Description |
|-----------|------------|--------------|
| M02 | 4301240, 1 | Tuning Meter |

4-6. F-2712 Loudness Circuit Board

Conductor Side

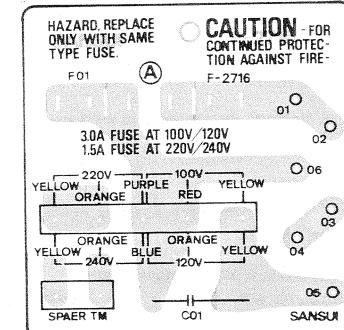


Parts List

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

4-8. F-2716 Voltage Selector Circuit Board

Conductor Side



Parts List

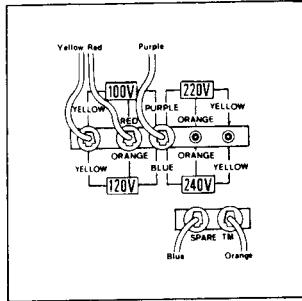
| Parts No. | Stock No. | Description |
|-----------|-----------|-------------------------|
| C 01 | 0669802 | 0.0047μF 150V C.C. |
| F 01 | 0432230 | 1.5A 250V } G-3500/301 |
| | 0432260 | 3A 250V } |
| | 0432250 | 2.5A 250V } |
| | 0432290 | 5A 125V } G-4500/401 |
| F 881 | 0435110 | 1.25A 250V EU, BS G-301 |
| | 0435130 | 2A 250V EU, BS G-401 |
| | 2310220 | Fuse Holder (Large) |

NOTE:

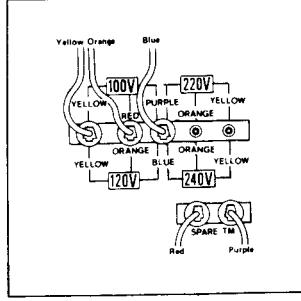
◆ **Changing Power Supply Voltage:** (This is applicable for universal type).
Your unit is adjusted to operate at the correct power supply voltage of your area prior to shipment from our factory. If you move to an outside country after purchasing it or send it as a gift to a friend living in an area where the voltage is different, it may be necessary to operate at the correct power supply voltage.

* When necessary, remove the bonnet from the unit and reconnect leads from power supply circuit board as described below in accordance with the required voltage (100 V, 120 V, 220 V or 240 V).

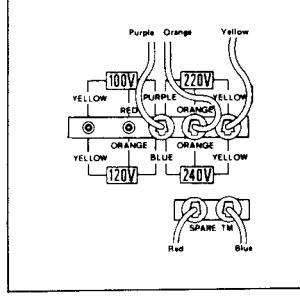
1) For 100V



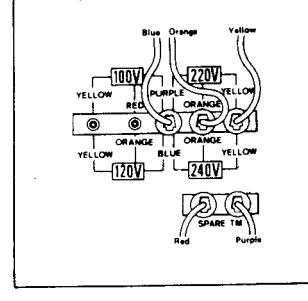
2) For 120V



3) For 220V



4) For 240V



5. PARTS REPLACEMENT

5-1. 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.

5-2. 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

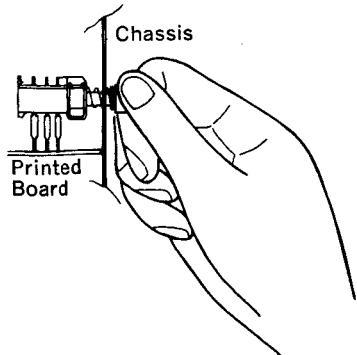
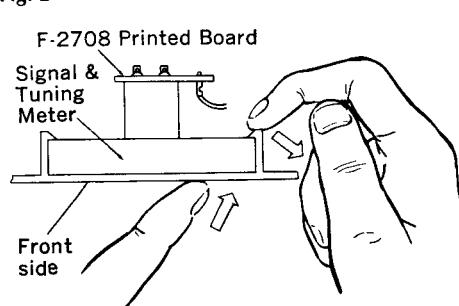


Fig. 2

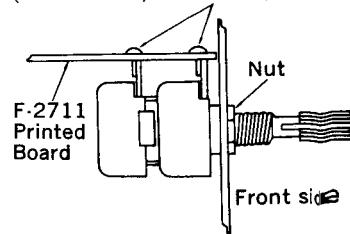


5-3. Master Volume

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

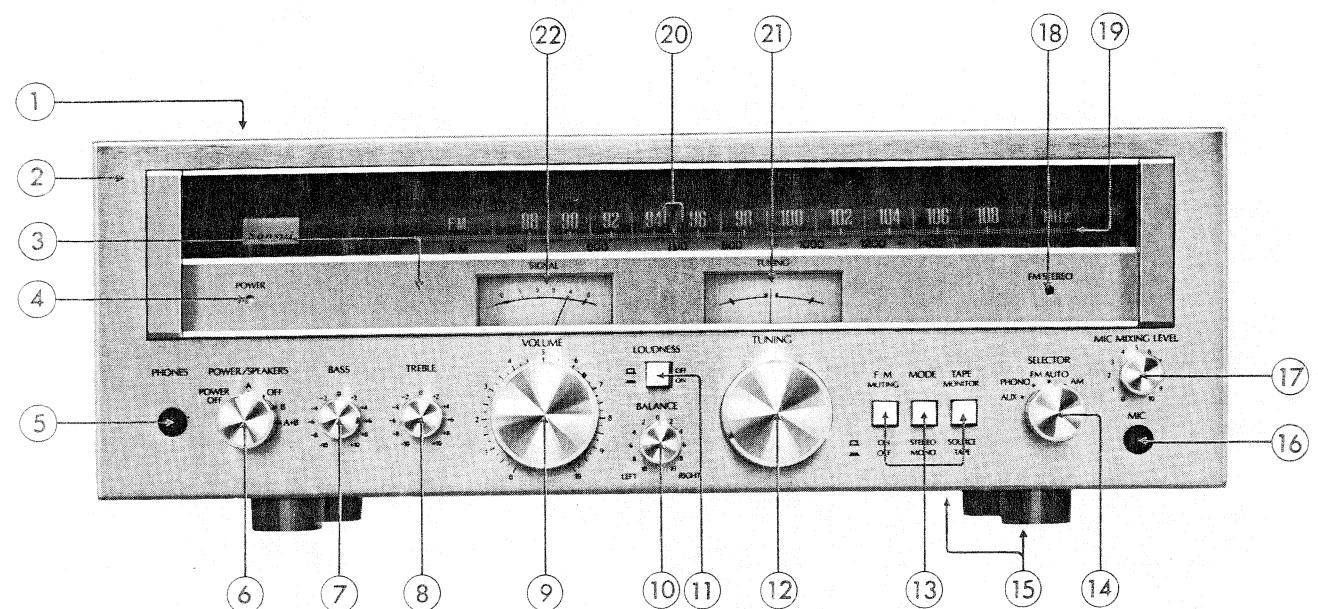
Fig. 3 Level Volume

(Bottom side) Soldering points



6. OTHER PARTS

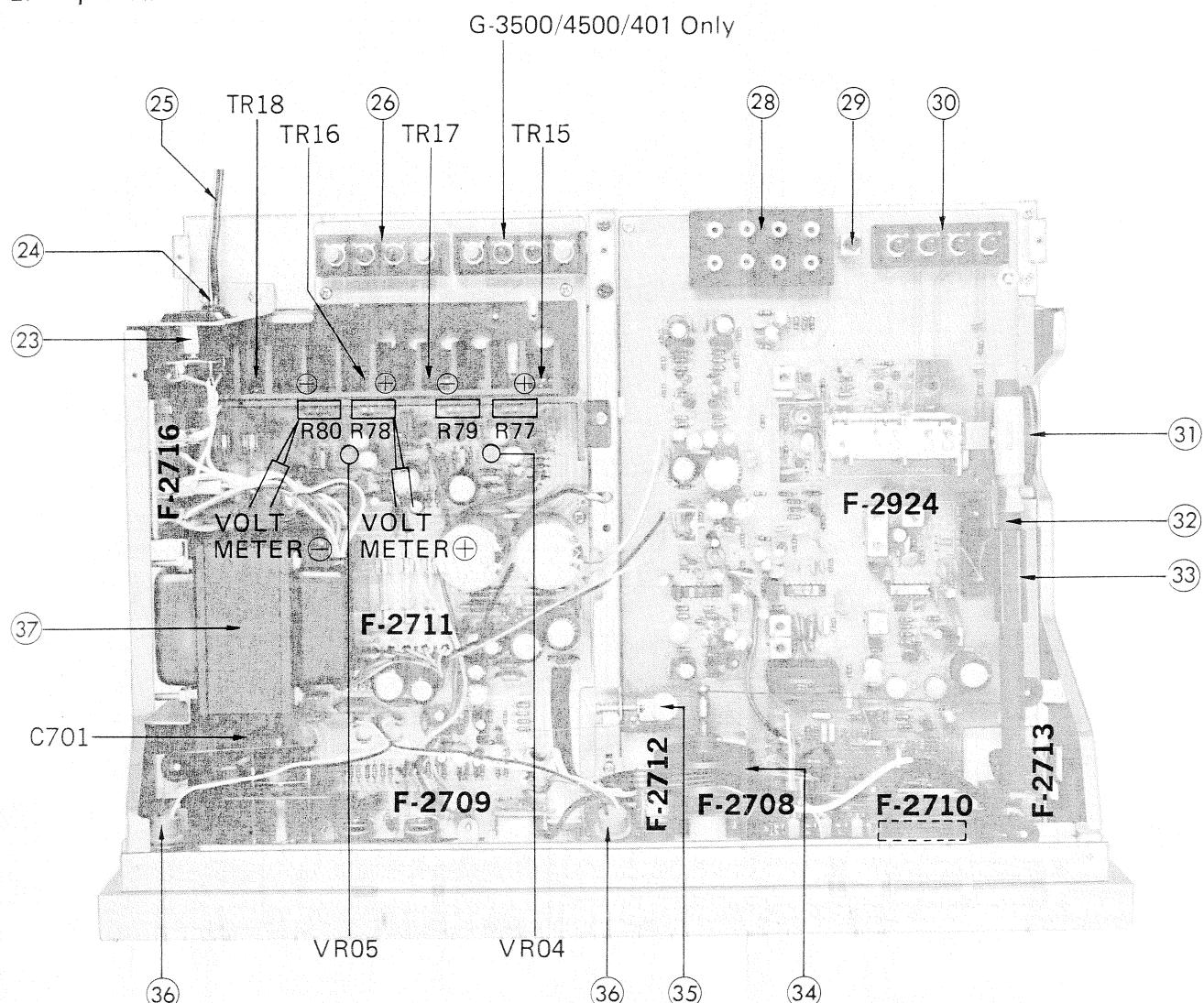
6-1. Front View

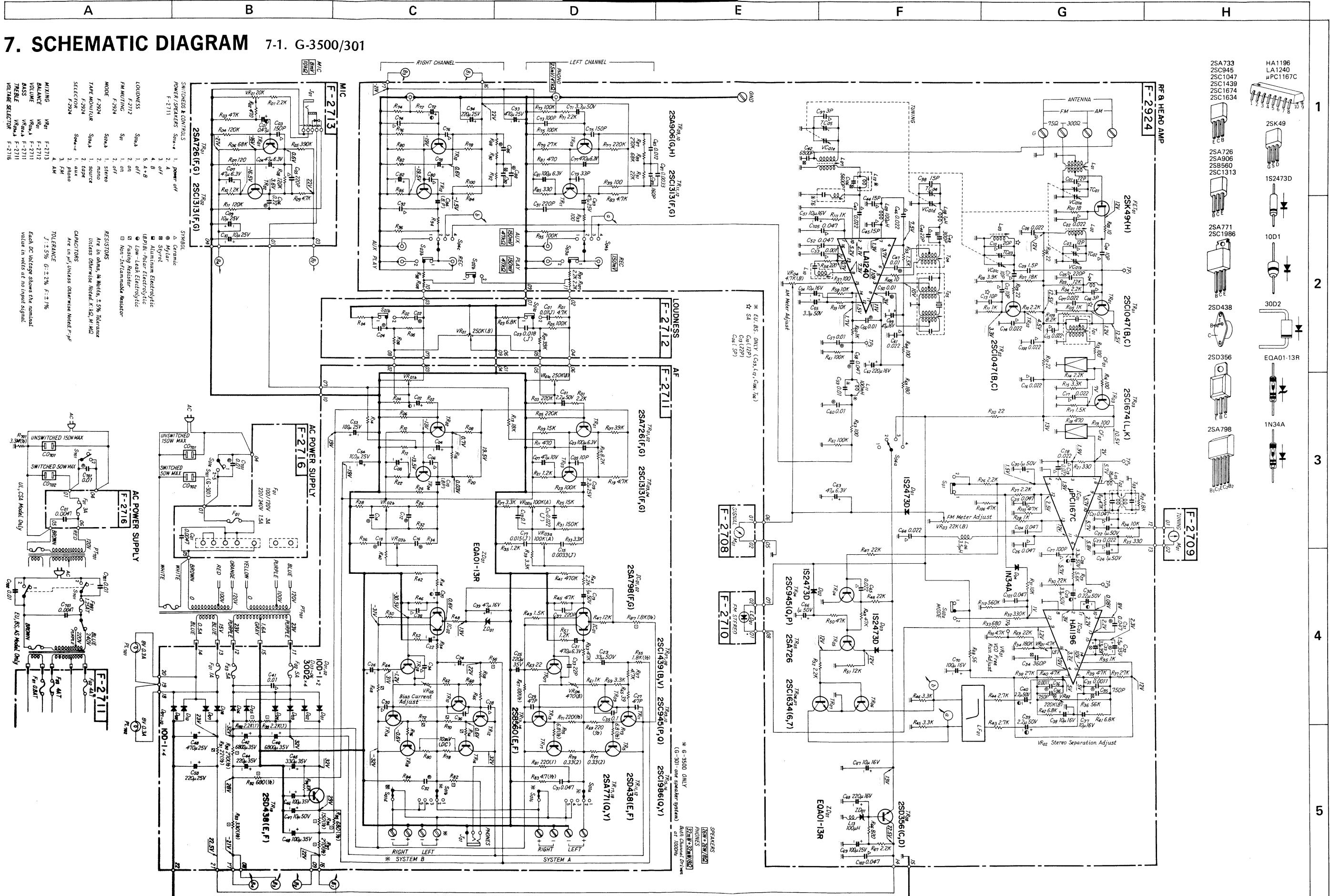


Parts List (Front & Top View)

| Parts No. | Stock No. | Description | Parts No. | Stock No. | Description |
|-----------|----------------------------|--|-----------|--|--|
| 1 | { 5727150 5236690 | Wood Bonnet W.B. Type Bushing | 19 | { 5408562 5408502 | Dial Scale (G-3500) Dial Scale (G-301) |
| 2 | { 7007631 7008001 | Front Panel Ass'y (G-3500/4500) Front Panel Ass'y (G-301) | | { 5408572 5408512 | Dial Scale (G-4500) Dial Scale (G-401) |
| 3 | 7008011 | Front Panel Ass'y (G-401) | | 5305720 | Backside Panel for dial scale |
| 4 | 5305690 | Inside Panel | 20 | 7116032 | Dial Pointer Ass'y |
| 5 | { 5426410 2430320 | Power Illuminator Bar Headphone Jack Socket (G-3500/4500/401) | 21 | 4301120, 1 | Tuning Meter |
| 6 | { 2430340 5319142 | Headphone Jack Socket (G-301) Power & Speakers Switch Knob | 22 | 4301110, 1 | Signal Meter |
| 7 | { 1190530 1101850 | Power Rotary Switch (G-301) Power & Speaker Rotary Switch (G-3500/4500/401) | 23 | 2450070 | AC Outlet |
| 8 | { 5236470 5319133 | M9 x 7, spacer nut BASS Volume Knob | 24 | 3910600 | Strain Relief, power cord |
| 9 | { 1015300, 1 1015300, 1 | 100kΩ x 2 Bass Volume Treble Volume Knob | 25 | 3800470, 1 | AC Cord |
| 10 | { 5319133 1005350, 1 | 100kΩ x 2 Treble Volume Balance Volume Knob | 26 | 2210340 | 4P Speaker Terminal |
| 11 | { 5326690 1131490, 1 | 250kΩ (B) x 2 Volume 250kΩ (B) Balance Volume | 27 | 2200410, 1 | 8P Input Terminal |
| 12 | { 1131060, 1 5318972 | Loudness Switch Knob Loudness Switch | 28 | 2230180 | Ground Terminal |
| 13 | { 5326690 5319142 | Tuning Knob Knob, tape monitor switch | 29 | 2210330 | 4P Antenna Terminal |
| 14 | { 1131060, 1 1101840 | Knob, tape monitor switch Selector Switch | 30 | 6146670 | D-44 Type Pulley |
| 15 | { 5319142 5236470 | Selector Switch M9 x 7, spacer nut | 31 | 4200750 | Bar Antenna |
| 16 | { 5058793 5517250 | Bottom Plate Leg | 32 | 5289171 | Bar Antenna Holder |
| 17 | { 2430370 5319133 | Microphone Jack Socket Microphone Mixing Volume Knob | 33 | 7036590 | Tuning Unit |
| 18 | { 1005340, 1 0319060 | 20kΩ (A) Mic Mixing Volume L.E.D., FM Stereo Indicator | 34 | 7136101 | Tension Unit |
| | { 0319060 5289180 | L.E.D. Holder | 35 | 0400650 | Pilot Lamp Ass'y |
| | 5136030 | Plastic Rivet | 36 | 4002880 | Power Transformer (G-3500) |
| | | | 37 | 4002884 | Power Transformer (G-301) |
| | | | | 4002870 | Power Transformer (G-4500) |
| | | | | 4002874 | Power Transformer (G-401) |
| | | | C 701 | { 0306541, 2 0300911, 2 5288721 0659801 0598107 0659811 | { 2SC1986 (Q, Y) 2SA771 (Q, Y) Plate for TR 0.01μF 150V C.C. XX, UL 0.01μF 250V M.C. EU, BS 0.01μF 125V C.C. CS |

6-2. Top View





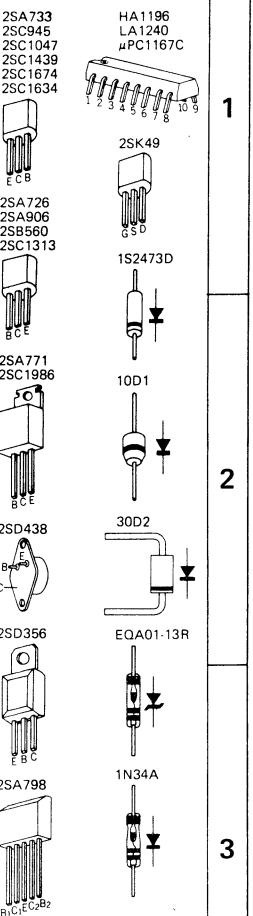
1

2

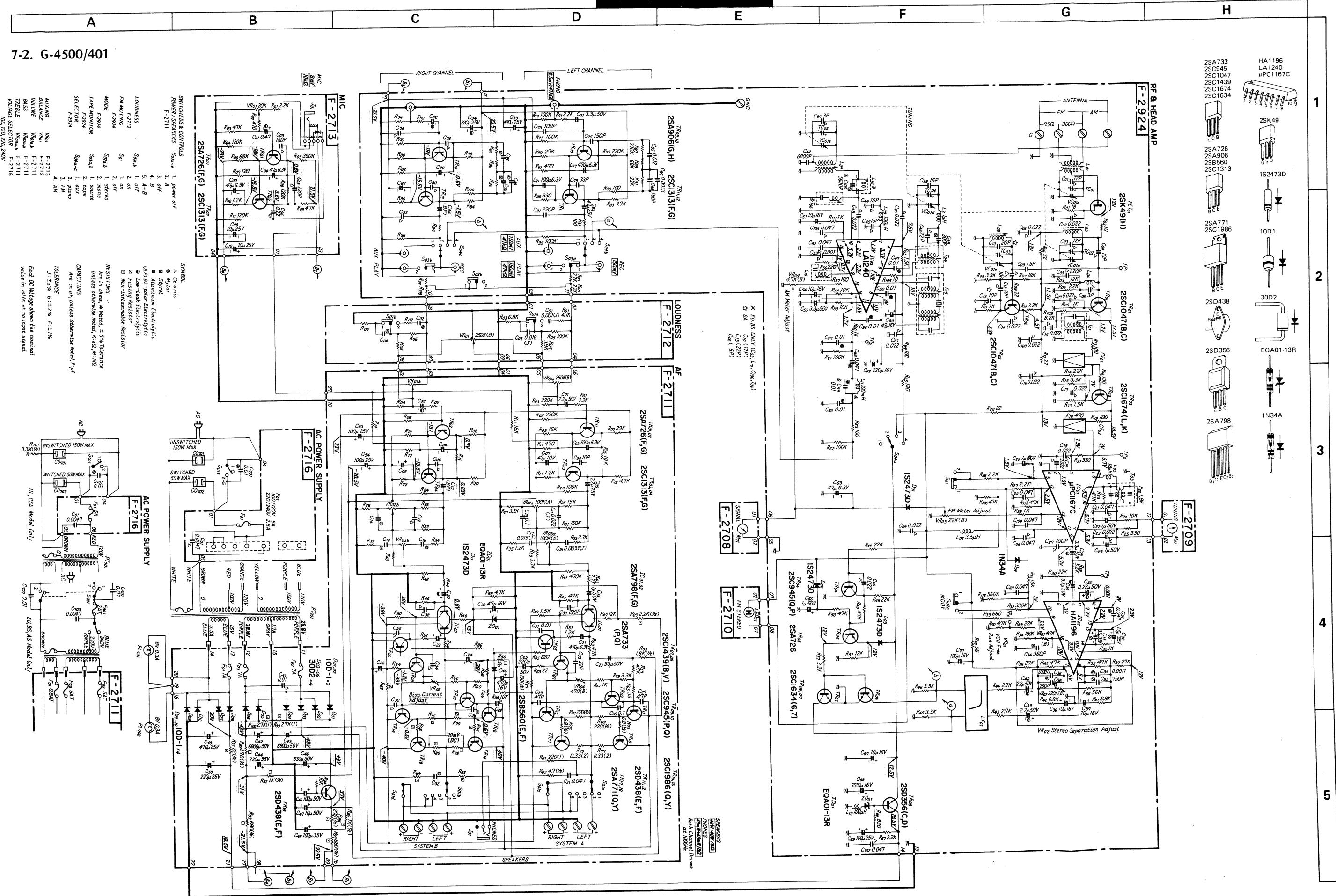
3

4

5

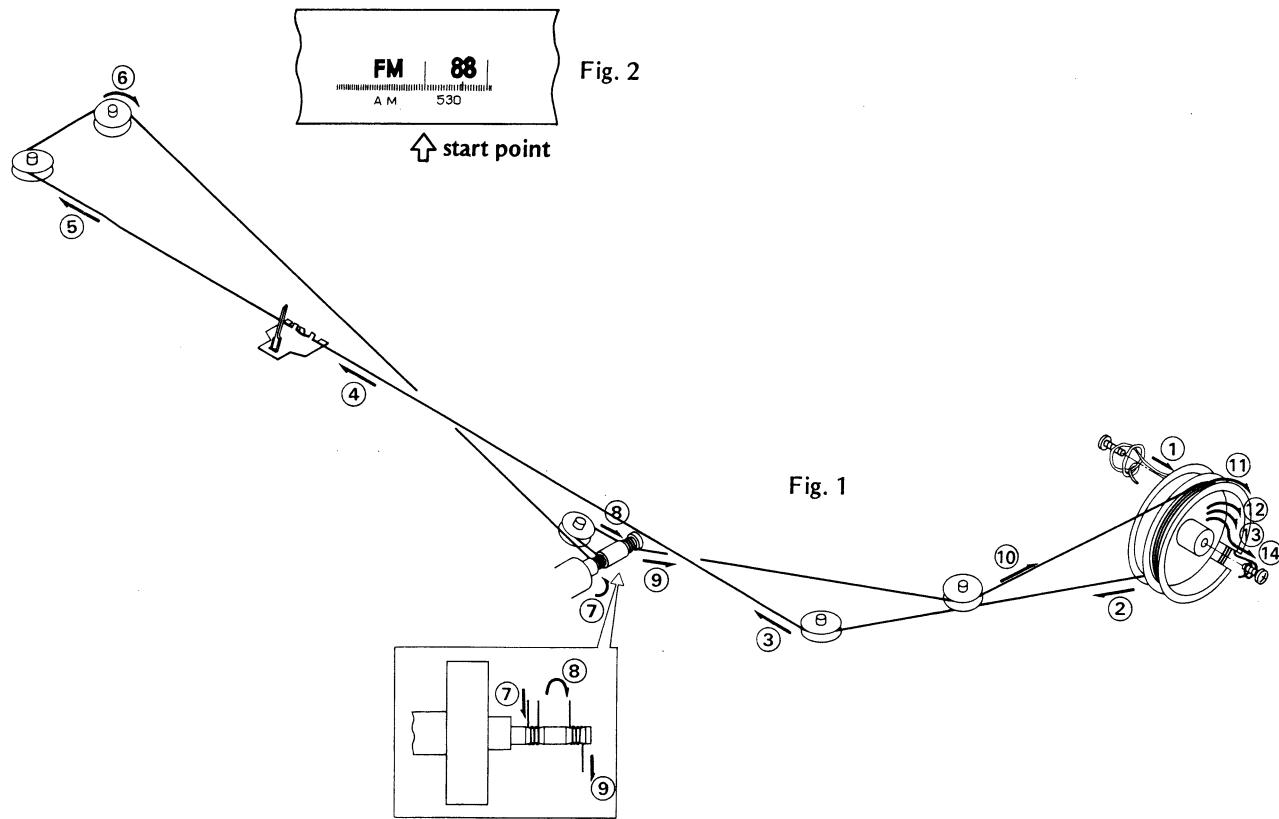


6



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 ϕ cord, please replace it with the same type certainly.
- * The length of dial cord is approximately 160 cm (65.3 inch).



8-1. 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).

| Stock No. | Description |
|-----------|----------------------------|
| 6036050 | Dial Cord (0.5 mm ϕ) |
| 6146670 | Dial Pulley |

8-2. Attachment of Dial Pointer

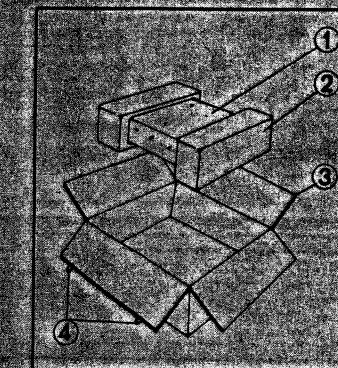
- 1) Close the variable capacitor completely.
- 2) Set the dial pointer to start point on dial scale as Fig. 2.
- * Confirm that the dial pointer runs smoothly on the dial scale by turning the turning shaft.

9. PACKING LIST

| Part No. | Stock No. | Description |
|----------|-----------|----------------------|
| 9115143 | 9204330 | Vinyl Cover |
| 9028090 | 9204290 | Styrofoam Packing |
| 9091600 | 9204280 | Carton Case (G-3500) |
| 9001410 | 9237860 | Carton Case (G-301) |
| 9001490 | 9237950 | Carton Case (G-4500) |
| 9001400 | 3820100 | Carton Case (G-401) |
| 5996080 | | Curl Stopper |

10. ACCESSORY PARTS LIST

| Stock No. | Description |
|-----------|--------------------------------------|
| 9204330 | Operating Instructions (G-3500/4500) |
| 9204290 | Operating Instructions (G-301) |
| 9204280 | Operating Instructions (G-401) |
| 9237860 | Schematic Diagram (G-3500/301) |
| 9237950 | Schematic Diagram (G-4500/401) |
| 3820100 | FM Antenna |



MEMO

SANSUI ELECTRONICS CORPORATION : 55-11 Queens Blvd. Woodside, N.Y. 11377 U.S.A.
333 West Alondra Blvd. Gardena, California 90247 U.S.A.
3038 Koapaka St. Honolulu, Hawaii 96819 U.S.A.
SANSUI AUDIO EUROPE N.V. : North Trade Bldg. (9th floor) Noorderlaan 133-Bus 1,2030 Antwerp, Belgium
SANSUI AUDIO EUROPE S.A. : Arabella center, 6 Frankfurt AM Main, Lyoner Strasse 44-48, West Germany
SANSUI ELECTRIC COMPANY LTD. : 14-1, Izumi 2-chome, Sugimami-ku, Tokyo 168 Japan PHONE: (03) 323-1111/TELEX: 232-2076

Sansui