

# SERVICE MANUAL

PURE POWER DC STEREO RECEIVER

## SANSUI G-8000/801 G-9000/901



**Sansui**

SANSUI ELECTRIC CO., LTD.

G-8000/801  
G-9000/901

### SPECIFICATIONS

#### <G-8000/801>

##### Audio section

###### Power output

Min. RMS, both channels driven, from 20 to 20,000 Hz with no more than 0.05% total harmonic distortion.

120 watts per channel into 8 ohms

120 watts per channel into 4 ohms

Load impedance . . . . . 4 and 8 ohms

###### Total harmonic distortion

less than 0.05% at or below rated min. RMS power output

Intermodulation distortion (70 Hz + 7 kHz = a:1 SMPTE method) . . . . . less than 0.05% at rated power output

###### Frequency response (at 1 watt)

Overst (from AUX) . . . . . 5 to 20,000 Hz, +0.2 dB,

-1.5 dB

POWER AMP IN . . . . . DC to 200 kHz, +0 dB, -1.0 dB

RIAA curve deviation (PHONO, 20 Hz to 20 kHz)

. . . . . +0.2 dB, -0.2 dB

Damping factor (20 Hz to 20 kHz, both channels driven)

. . . . . 80 into 8 ohms

###### Input sensitivity and impedance (at 1 kHz)

PHONO-1, 2 . . . . . 2.0 mV/10<sup>4</sup> ohms

(Max. input capability: 240 mV at 1 kHz, less than

0.05% total harmonic distortion.)

MIC . . . . . 6 mV/10<sup>4</sup> ohms

TAPE-1, 2 PLAY, AUX

. . . . . 150 mV/47 ohms

###### Output level (at 1 kHz)

TAPE-1, 2 REC (pin-jack)

. . . . . 150 mV

TAPE-2 REPLAY (DIN socket)

. . . . . 43 mV

PRE-AMP OUT . . . . . 1.0 V

Hum and noise (short-circuit, A-network)

PHONO-1, 2 . . . . . 78 dB

TAPE-1, 2 PLAY, AUX

. . . . . 95 dB

###### Channel separation (at 1 kHz)

PHONO-1, 2 . . . . . 60 dB

TAPE-1, 2 PLAY, AUX

. . . . . 70 dB

###### Controls

BASS . . . . . 20 dB at 50 Hz

MIDRANGE . . . . . 2.5 dB at 1.5 kHz

TREBLE . . . . . 2.0 dB at 10 kHz

SUBSONIC FILTER . . . . . -3 dB at 16 Hz (6 dB/oct)

HIGH FILTER . . . . . -3 dB at 3 kHz (6 dB/oct)

LOUDNESS (VOL/LMC control) . . . . . -30 dB position

. . . . . 8 dB at 50 Hz

. . . . . 6 dB at 10 kHz

AUDIO MUTING . . . . . -30 dB

##### FM section

Tuning range . . . . . 88 to 108 MHz

###### Usable sensitivity

Mono DIF . . . . . 5.5 dBf (1.4  $\mu$ V)

DIN . . . . . 1.0  $\mu$ V

Stereo DIF . . . . . 15.5 dBf

###### 30 dB quieting sensitivity

Mono . . . . . 13.0 dBf

Stereo . . . . . 35.0 dBf

###### Signal to noise ratio (at 65 dBf)

Mono . . . . . 79 dB

Stereo . . . . . 75 dB

###### Distortion (at 65 dBf)

Mono . . . . . less than 0.07% at 100 Hz

. . . . . less than 0.07% at 1,000 Hz

. . . . . less than 0.7% at 5,000 Hz

Stereo . . . . . less than 0.17% at 100 Hz

. . . . . less than 0.07% at 1,000 Hz

. . . . . less than 0.7% at 5,000 Hz

###### Alternate channel selectivity (at 400 kHz)

. . . . . 80 dB

Carrier ratio . . . . . 1.0 dB

Image response ratio . . . . . 95 dB

Spurious response ratio . . . . . 95 dB

IF response ratio . . . . . 100 dB

Stereo separation . . . . . 40 dB at 100 Hz

. . . . . 45 dB at 1,000 Hz

. . . . . 35 dB at 10,000 Hz

. . . . . 30 dB from 30 to 13,000 Hz

Frequency response . . . . . 30 to 13,000 Hz

. . . . . +0.3 dB, -1.0 dB

###### Hum and noise (at 65 dBf)

. . . . . 75 dB

###### Antenna input impedance

100 ohms balanced

75 ohms unbalanced

To be continued

«G-8000/801»

AM section

Tuning range . . . . . 530 to 1,600 kHz  
Usable sensitivity (bar antenna) . . . . . 50 dB/m (300 µV/m)  
Selectivity (±10 kHz) . . . . . 30 dB  
Signal to noise ratio . . . . . 50 dB  
Distortion (at 30% Modulation, 80 dB/m) . . . . . less than 0.5%

Others

Power requirements

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

Power consumption

Rated consumption . . . . . 560 watts 630 VA  
Dimensions . . . . . 560 mm (22-1/16") W  
201 mm (7-15/16") H  
475 mm (18-3/8") D  
Weight . . . . . 24.6 kg (54.2 lbs) net  
27.4 kg (60.4 lbs) packed

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

«G-9000/901»

Audio section

Power output  
Min. RMS, both channels driven, from 20 to 20,000 Hz with no more than 0.03% total harmonic distortion.  
160 watts per channel into 8 ohms  
160 watts per channel into 4 ohms  
Load impedance . . . . . 4 and 8 ohms  
Total harmonic distortion . . . . . less than 0.03% at or below rated min. RMS power output

Intermodulation distortion (70 Hz : 7 kHz = 4:1 SMPTE method) . . . . . less than 0.03% at rated power output

Frequency response (at 1 watt)  
Overall (from AUX) . . . . . 5 to 50,000 Hz, +0.2 dB, -1.5 dB

POWER AMP IN . . . . . DC to 200 kHz, +0 dB, -3.0 dB  
RIAA curve deviation (PHONO, 20 Hz to 20 kHz) . . . . . +0.2 dB, -0.2 dB

Damping factor (20 Hz to 20 kHz, both channels driven) . . . . . 60 into 8 ohms

Input sensitivity and impedance (at 1 kHz)  
PHONO-1, 2 . . . . . 2.5 mV/47 kilohms  
(Max. input capability: 330 mV at 1 kHz, less than 0.03% total harmonic distortion.)

MIC . . . . . 6 mV/10 kilohms  
TAPE-1, 2 PLAY, AUX . . . . . 150 mV/47 kilohms

Output level (at 1 kHz)  
TAPE-1, 2 REC (pin jacks) . . . . . 150 mV  
TAPE-2 REC/PLAY (DIN socket) . . . . . 43 mV

PRE AMP OUT . . . . . 1.0 V  
Hum and noise (short-circuit, A-network)  
PHONO-1, 2 . . . . . 78 dB  
TAPE-1, 2 PLAY, AUX . . . . . 95 dB

Channel separation (at 1 kHz)  
PHONO-1, 2 . . . . . 60 dB  
TAPE-1, 2 PLAY, AUX . . . . . 70 dB

Controls  
BASS . . . . . ±10 dB at 50 Hz (BASS TURNOVER at 400 Hz)  
Tone selector . . . . . 200, 400 Hz

MIDRANGE . . . . . ±5 dB at 1.5 kHz  
TREBLE . . . . . ±10 dB at 10 kHz (TREBLE TURNOVER at 1.5 kHz)

Tone selector . . . . . 1.5, 3 kHz  
SUBSONIC FILTER . . . . . -3 dB at 16 Hz (6 dB/oct)

HIGH FILTER . . . . . -3 dB at 3 kHz (6 dB/oct)  
LOUDNESS (VOLUME control: -30 dB position) . . . . . 8 dB at 50 Hz  
6 dB at 10 kHz

AUDIO MUTING . . . . . -20 dB

PHONO-1, 2 . . . . . 70 dB at 1,000 kHz  
IF response ratio . . . . . 70 dB at 1,000 kHz

AM section  
Tuning range . . . . . 530 to 1,600 kHz  
Usable sensitivity (bar antenna) . . . . . 50 dB/m (300 µV/m)

Selectivity (±10 kHz) . . . . . 30 dB  
Signal to noise ratio . . . . . 50 dB  
Distortion (at 30% Modulation, 80 dB/m) . . . . . less than 0.45%

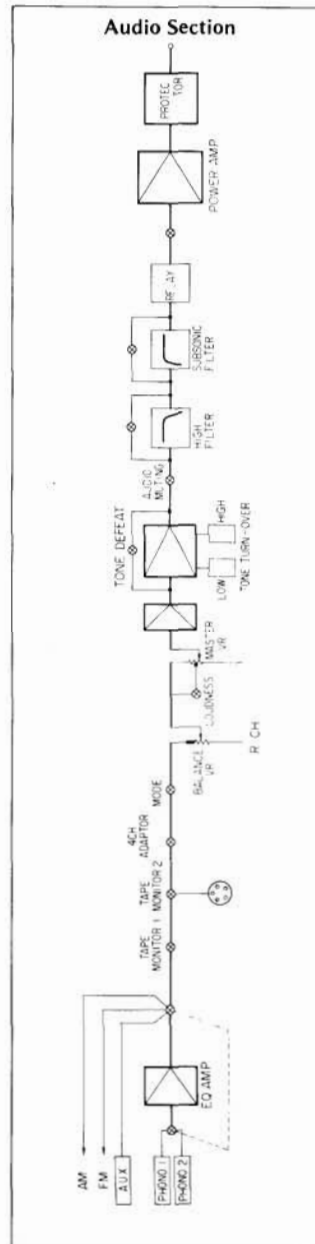
Image response ratio . . . . . 70 dB at 1,000 kHz  
IF response ratio . . . . . 70 dB at 1,000 kHz

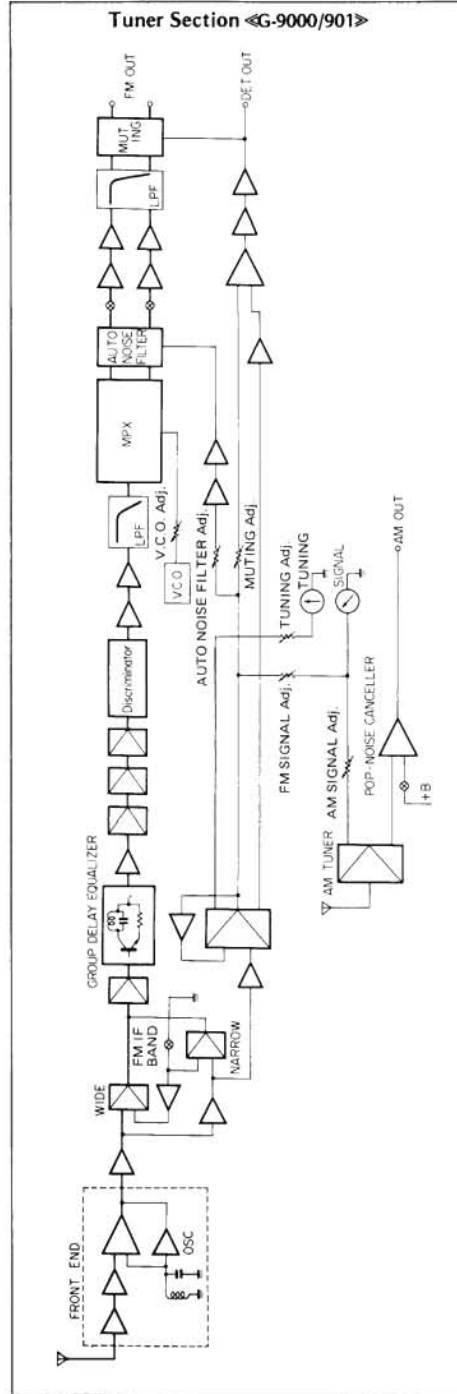
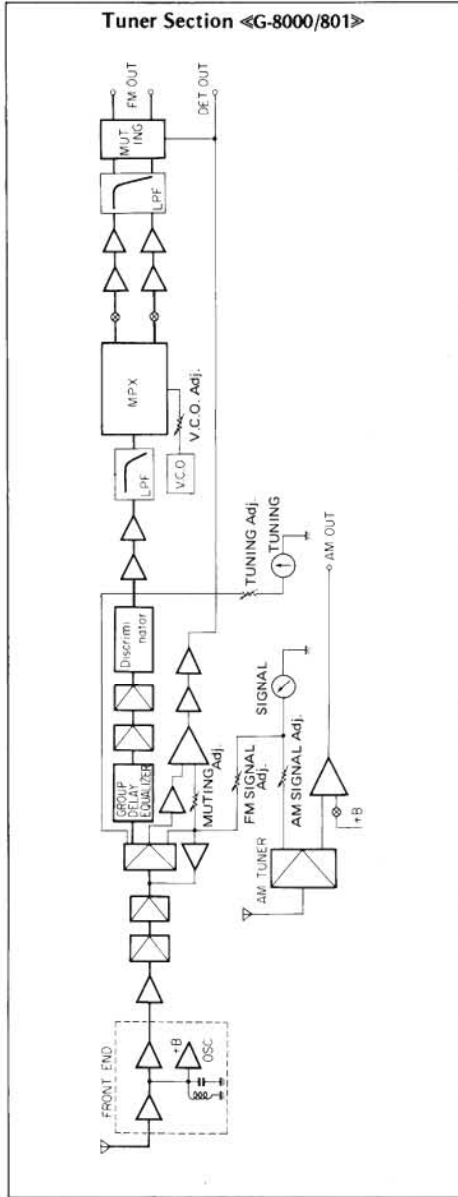
Others  
Power requirements  
Power voltage . . . . . 100, 120, 220, 240 V  
(50/60 Hz)

Power consumption  
Rated consumption . . . . . 680 watts 880 VA  
Dimensions . . . . . 560 mm (22-1/16") W  
201 mm (7-15/16") H  
495 mm (19-1/2") D  
Weight . . . . . 26.9 kg (59.3 lbs) net  
29.7 kg (65.5 lbs) packed

Design and specifications subject to change without notice for improvements.

1. BLOCK DIAGRAM





## 2. ADVANTAGES

### 1. FM AUTO NOISE FILTER

This circuit is provided the function of high-cut filter to ordinary high-blend function and also is operated by monaural signal in proportion to the electric field intensity. As proportional signal to input is supplied to TR26, this transistor controls the current flowing to TR27 and photo-coupler. (Fig. 2-3)

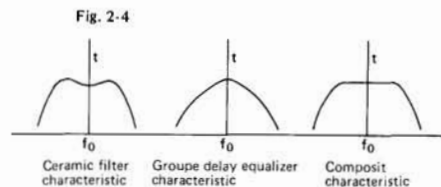
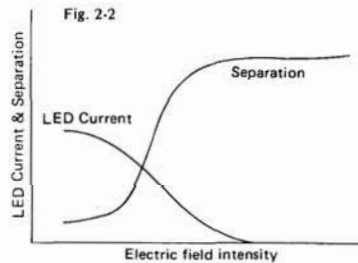
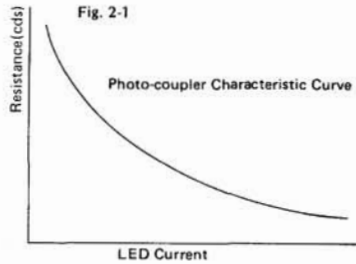
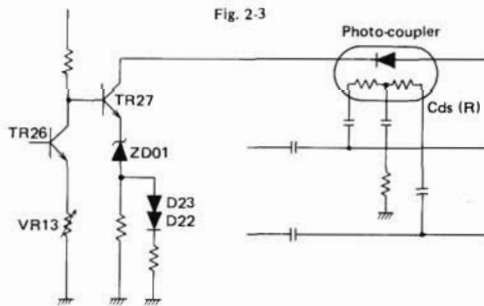
The characteristic of photo-coupler is that the resistance of Cd cell is changed by the current flowing to photo-diode in Photo-coupler as shown in Fig. 2-1.

High-blend amount is determined by the time constant defined by this change of Cd cell resistance value, C103, and C104. (Fig. 2-3) In high electric field intensity, the current flowing to photo coupler becomes low that Cds cell indicates high resistance value not to perform the high-blend function.

In low electric field intensity, the current flowing photo coupler becomes increased that Cd cell indicates low resistance value, therefore, the blend amount at high frequency range is increased and S/N ratio is improved.

The relations of input electric field intensity, the current flowing photo-coupler, and separation are indicated in Fig. 2-2.

Zener diode and varistor connected to emitter of TR27 determine the working range of this circuit, and VR13 is for adjusting the working point.



### 2. Group Delay Equalizer

In the IF amplification stage of model G-9000, group delay equalizer and ceramic filter of distinguished characteristics are employed for the purpose of obtaining excellent-group delay characteristic.

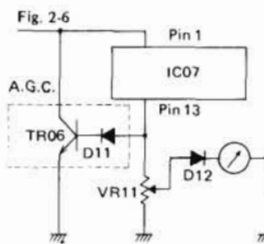
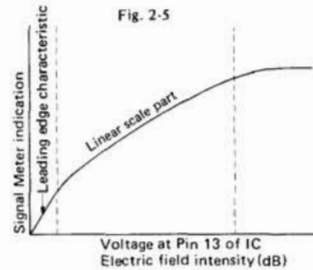
Generally, characteristics of both selectivity and group delay are inversely related and hard to be compatible.

The group delay equalizer (Sansui patent) used in G-9000 is provided to improve the group delay characteristic without sacrificing the selectivity in spite of its characteristic being inversely related to group delay characteristic of ceramic filter as shown in Fig. 2-4. Consequently, group delay characteristic is improved without changing selectivity characteristic after compounded both characteristic.

### 3. METER A.G.C. CIRCUIT

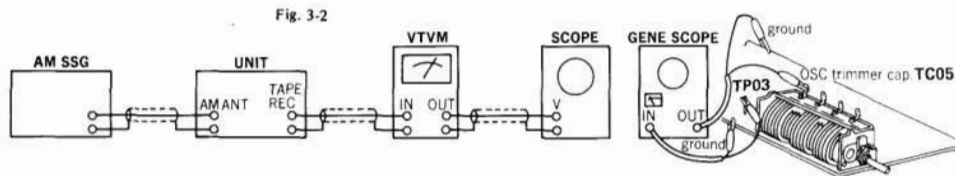
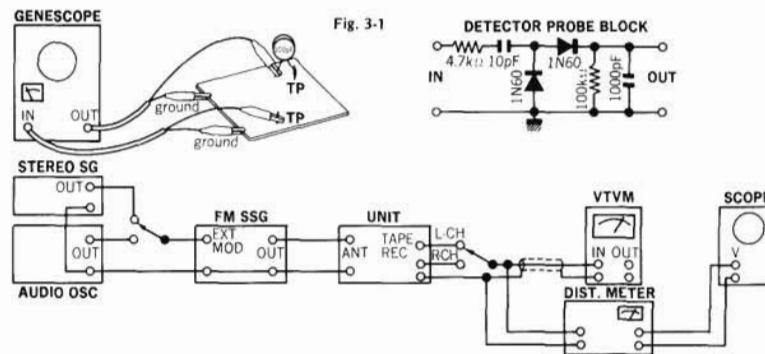
The meter A.G.C. circuit provided with G-8000/G-9000 is installed for the purpose of the obtaining linear scale signal meter indication. The operation of this circuit is;

1. The IF input signal is supplied to pin 1 of IC (HA1137W), then, the proportional signal to the IF input for the signal meter is outputted from pin 13. (Fig. 2-6)
2. This outputted signal is not only making the signal meter function but also becoming the control signal of A.G.C. circuit consisting of TR06 and D11.
3. Since the bias is not applied to TR06 by the function of D11 when IF input level is low, the internal impedance of TR06 is high that the A.G.C. is OFF state. The leading edge characteristic is shown in Fig. 2-5.
4. When the input signal over the certain level is applied to TR06, the impedance of TR06 decreases proportionally to the input signal and changes amount of the input signal by-passing.
5. By the reason above, the voltage appears at pin 13 of IC varies as the Fig. 2-5, indicated just on the right side.



### 3. ADJUSTMENTS


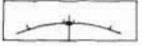

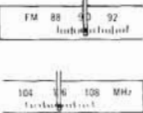

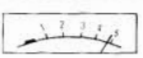
#### 1. Tuner Section



(A) Tune Section «G-8000/801»

(1) FM IF, RF Adjustment and Dial Calibration (See Fig. 3-1 on Page 4 & Fig. 3-3 on Page 8)

- Note: 1. SELECTOR . . . FM AUTO  
 2. MPX NOISE CANCELLER . . . . . OFF  
 3. DOLBY DE-EMPH . . . . . OFF  
 • Dolby is a trademark of Dolby Laboratories, Inc.  
 4. MODE . . . . . MONO  
 5. FM MUTING . . . . . OFF  
 6. Connection . . . Connect the output of genescoper to TP through 100 pF ceramic capacitor.

STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
		FROM	TO				
1.	Tuning Meter IF Coil	98 MHz ANT Input 10 dBf (4.8 dB) 1000 Hz (100% MOD) FM SSG	ANT terminal 300Ω	REC OUT L or R-CH VTVM & Scope	Tune Dial	Make symmetrical Sine Curve	
		98 MHz ANT Input 15 dBf (9.8 dB) 1000 Hz (100% MOD) FM SSG	Same as above	Tuning Meter	T01 F-2919 (F-2715)	Center on Tuning Meter	
		98 MHz ANT Input 65 dBf (59.8 dB) 1000 Hz (100% MOD) FM SSG	Same as above	Signal Meter	T01 Front end	Max.	
2.	Discriminator Coil In case of using Genescoper	Output 98 dB Genescoper	VC03 Front end	Connector Pin 11, 12 F-2919 (F-2715) Genescoper	T03 F-2919 (F-2715)	Steep linearity of S curve	
	Discriminator Coil, Groupe Delay Equalizer 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 OUT L or R-CH Dist Meter	T02, 03, VR06 F-2919 (F-2715)	Min. T.H.D.	
3.	90 MHz Dial Calibration	90 MHz ANT Input 65 dBf (59.8 dB) 1000 Hz (100% MOD) FM SSG	Same as above	REC OUT L or R-CH VTVM & Scope	L05 Front end	Max. Indication on signal meter & VTVM & Scope 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	TC04 Front end		
4.	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 L03 Front end	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, TC03 Front end	Same as above	
5.	Signal Meter Volume	98 MHz ANT Input 85 dBf (79.8 dB) 1000 Hz (100% MOD) FM SSG	Same as above	Signal Meter	VR01 F-2919 (F-2715)	4.8 on Meter	

(2) FM STEREO Adjustment (See Fig. 3-1 on Page 4 & Fig. 3-3 on Page 8)

- 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	VR04 F-2919 (F-2715)	Light indicator	Adjust the VR04 within center of lighting level.

To be continued

	PLL VCO Adj. In case of using Freq. counter.	98 MHz ANT Input 65 dBf (59.8 dB) FM SSG (no MOD)	Same as above	TP01 F-2919 (F-2715) Use Freq. counter	VR04 F-2919 (F-2715)	19 kHz $\pm$ 30 Hz F-2919 76 kHz $\pm$ 100 Hz (F-2715)	
2.	(19 kHz B.P.F. Adj.)	98 MHz ANT Input 65 dBf (59.8 dB) FM SSG Pilot 19 kHz (9% MOD) L Mode 100 Hz + Pilot (100% MOD) STEREO SG	Same as above	REC OUT L-CH VTVM & Scope	T05 F-2715	Max.	
	(19 kHz B.P.F. Adj.) In case of using Dist. Meter	98 MHz ANT Input 65 dBf (59.8 dB) FM SSG Pilot 19 kHz (9% MOD) SUB 100 Hz + Pilot (100% MOD) STEREO SG	Same as above	REC OUT L-CH Use Dist. Meter	T05 F-2715	Min. T.H.D.	
3.	Separation	98 MHz ANT Input 65 dBf (59.8 dB) FM SSG Pilot 19 kHz (9% MOD) R Mode 1 kHz + Pilot (100% MOD) STEREO SG	Same as above	REC OUT L-CH VTVM & Scope	VR05 F-2919 (F-2715)	-40 dB	Confirm separation L-CH $\rightarrow$ R-CH
4.	Muting level & indicator level	98 MHz ANT Input 17 dBf (11.8 dB) FM SSG Pilot 19 kHz (9% MOD) SUB 1 kHz + Pilot (100% MOD) STEREO SG	Same as above	Stereo indicator REC OUT L or R-CH VTVM & Scope	VR02 F-2919 (F-2715)	Muting level 17 dBf (11.8 dB) Indicator lighting level 17 dBf (11.8 dB)	FM MUTING Switch ON

(3) FM IF Adjustment & Dial Calibration (See Fig. 3-2 on Page 4 & Fig. 3-3 on Page 8)


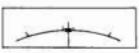

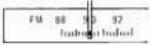


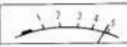
Note: 1. Selector . . . . . AM

STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
		FROM	TO				
1.	IF Coil	Genescope Output 70 dB	TC05 Front end	TP03 F-2919 (F-2715)	CF31, T32 F-2919 (F-2715)	Max. IF waveform	
2.	600 kHz Dial Calibration	600 kHz ANT Input 60 dB 400 Hz (MOD 30%) AM SSG	AM ANT terminal	REC OUT L or R-CH VTVM & Scope	L33 F-2919 (F-2715)	Max. Indication on Signal Meter & V.T.V.M.	
	1400 kHz Dial Calibration	1400 kHz AN Input 60 dB 400 Hz (MOD 30%) AM SSG	Same as above	Same as above	TC05 Front end		
3.	600 kHz RF Adj.	600 kHz ANT Input 50 dB 400 Hz (MOD 30%) AM SSG	Same as above	Same as above	Bar Antenna	Same as above	
	1400 kHz RF Adj.	1400 kHz ANT Input 50 dB 400 Hz (MOD 30%) AM SSG	Same as above	Same as above	TC06, Front end	Same as above	
4.	Signal Meter volume	1000 kHz ANT Input 80 dB 400 Hz (MOD 30%) AM SSG	Same as above	Signal Meter	VR31 F-2919 (F-2715)	4.3 on meter	
5.	460 kHz Trap	460 kHz ANT Input 80 dB 400 Hz (MOD 30%) AM SSG	Same as above	REC OUT L or R-CH VTVM & Scope	L31, T31 F-2919 (F-2715)	Min. Output	

(B) Tuner Section «G-9000/901»

(1) FM IF, RF Adjustment and Dial Calibration (See Fig. 3-1 on Page 4 & Fig. 3-4 on Page 8)

- Note: 1. SELECTOR . . . . . FM AUTO  
 2. FM AUTO NOISE FIL . . . . . OFF  
 3. DOLBY DE-EMPH . . . . . OFF  
 4. MODE . . . . . MONO  
 5. MUTING . . . . . OFF  
 6. FM IF BAND . . . . . WIDE  
 7. Connection . . . . . Connect the output of genescope to TP through 100 pF ceramic capacitor.

STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
		FROM	TO				
1.	Tuning Meter IF Coil	98 MHz ANT Input 10 dBf (4.8 dB) 1000 Hz (100% MOD) FM SSG	ANT terminal 300Ω	REC OUT L or R-CH VTVM & Scope	Tune Dial	Make symmetrical Sin Curve	
		98 MHz ANT Input 15 dBf (9.8 dB) 1000 Hz (100% MOD) FM SSG	Same as above	Tuning Meter	T05 F-2920 (F-2719)	Center on Tuning Meter	
			Same as above	Signal Meter	T04 F-2920 (F-2719) IFT01 Front end	Max.	
		98 MHz ANT Input 65 dBf (59.8 dB) 1000 Hz (100% MOD) FM SSG	Same as above	Between Connector Pin 15, 16 F-2920 (F-2719)	T03 F-2920 (F-2719)	0V	(Use Volt Meter)
2.	Discriminator Coil In case of using Genescope	Output 90 dB Genescope	VC03 Front end	Between Connector Pin 15, 16 F-2920 (F-2719) Genescope	T02 F-2920 (F-2719)	Steep linearity of 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 OUT L or R-CH Dist Meter	T01, T02 F-2920 (F-2719)	Min. T.H.D.	
3.	90 MHz Dial Calibration	90 MHz ANT Input 65 dBf (59.8 dB) 1000 Hz (100% MOD) FM SSG	Same as above	REC OUT L or R-CH VTVM & Scope	Dial pointer	Max. Indication on signal meter & VTVM & Scope 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	TC05 Front end		
4.	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	T02, T03 T04 Front end	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 TC03, TC04 Front end	Same as above	
5.	Signal Meter Volume	98 MHz ANT Input 85 dBf (79.8 dB) 1000 Hz (100% MOD) FM SSG	Same as above	Signal Meter	VR11 F-2920 (F-2719)	4.8 on Meter	

(2) FM STEREO Adjustment (See Fig. 3-1 on Page 4 Fig. 3-4 on Page 8)

- Note: 1. MODE . . . . . STEREO




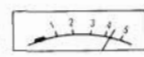
STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
		FROM	TO				
1.	PLL VCO Adj.	98 MHz ANT Input 65 dBf (59.8 dB) FM SSG Pilot 19 kHz (9% MOD) SUB 1 kHz + Pilot (100% MOD) STEREO SG	ANT terminal 300Ω	Stereo indicator	VR01 F-2920 (F-2715)	Light indicator	Adjust the VR01 within center of lighting level.



	PLL VCO Adj. In case of using Freq. counter.	98 MHz ANT Input 65 dBf (59.8 dB) FM SSG (no MOD)	Same as above	TP29 F-2920 (F-2719) Use Freq. counter	VR01 F-2920 (F-2719)	19 kHz $\pm$ 30 Hz F-2920 76 kHz $\pm$ 100 Hz (F-2719)	
2.	(19 kHz B.P.F. Adj.)	98 MHz ANT Input 65 dBf (59.8 dB) FM SSG Pilot 19 kHz (9% MOD) L Mode 100 Hz + Pilot (100% MOD) STEREO SG	Same as above	REC OUT L-CH VTVM & Scope	T06 F-2920 (F-2719)	Max.	
	(19 kHz B.P.F. Adj.) In case of using Dist. Meter	98 MHz ANT Input 65 dBf (59.8 dB) FM SSG Pilot 19 kHz (9% MOD) SUB 100 Hz + Pilot (100% MOD) STEREO SG	Same as above	REC OUT L-CH Use Dist Meter	T06 F-2920 (F-2719)	Min. T.H.D.	
3.	Separation	98 MHz ANT Input 65 dBf (59.8 dB) FM SSG Pilot 19 kHz (9% MOD) R Mode 1 kHz + Pilot (100% MOD) STEREO SG	Same as above	REC OUT L-CH VTVM & Scope	VR02 F-2920 (F-2719)	-45 dB	Confirm separation L-CH $\rightarrow$ R-CH
4.	Muting level & indicator level	98 MHz ANT Input 17 dBf (11.8 dB) FM SSG Pilot 19 kHz (9% MOD) SUB 1 kHz - Pilot (100% MOD) STEREO SG	Same as above	Stereo indicator	VR12 F-2920 (F-2719)	Muting level 17 dBf (11.8 dB) Indicator lighting level 17 dBf (11.8 dB)	FM MUTING Switch ON
5.	Auto Noise Filter Adj.	98 MHz ANT Input 45 dBf (39.8 dB) 10 kHz (100% MOD) FM SSG	Same as above	REC OUT L or R-CH VTVM & Scope	VR13 F-2920 (F-2719)	OUT -3 dB Standard (Auto Noise Filter OFF)	Auto Noise Filter Switch ON

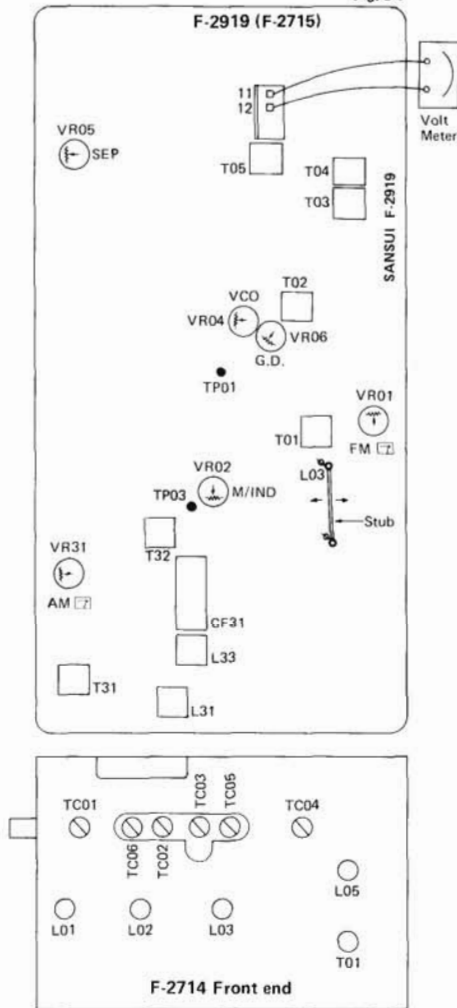
(3) FM IF Adjustment & Dial Calibration (See Fig. 3-2 on Page 4 & Fig. 3-4 on Page 8)

Note: 1. Selector . . . . . AM

STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
		FROM	TO				
1.	IF Coil	Genescope Output 70 dB	TC07 Front end	TP06 F-2920 (F-2719)	CF51, T56 F-2920 (F-2719)	Max. IF waveform	
2.	600 kHz Dial Calibration	600 kHz ANT Input 60 dB 400 Hz (MOD 30%) AM SSG	AM ANT terminal	REC OUT L or R-CH VTVM & Scope	L54 F-2920 (F-2719)	Max. Indication on Signal Meter & V.T.V.M.	
	1400 kHz Dial Calibration	1400 kHz AN Input 60 dB 400 Hz (MOD 30%) AM SSG	Same as above	Same as above	TC07 Front end		
3.	600 kHz RF Adj.	600 kHz ANT Input 50 dB 400 Hz (MOD 30%) AM SSG	Same as above	Same as above	Bar Antenna L55 F-2920 (F-2719)	Same as above	
	1400 kHz RF Adj.	1400 kHz ANT Input 50 dB 400 Hz (MOD 30%) AM SSG	Same as above	Same as above	TC06, TC08 Front end	Same as above	
4.	Signal Meter volume	1000 kHz ANT Input 80 dB 400 Hz (MOD 30%) AM SSG	Same as above	Signal Meter	VR52 F-2920 (F-2719)	4.3 on meter	
5.	460 kHz Trap	460 kHz ANT Input 80 dB 400 Hz (MOD 30%) AM SSG	Same as above	REC OUT L or R-CH VTVM & Scope	L53, L56 T51 F-2920 (F-2719)	Min. Output	

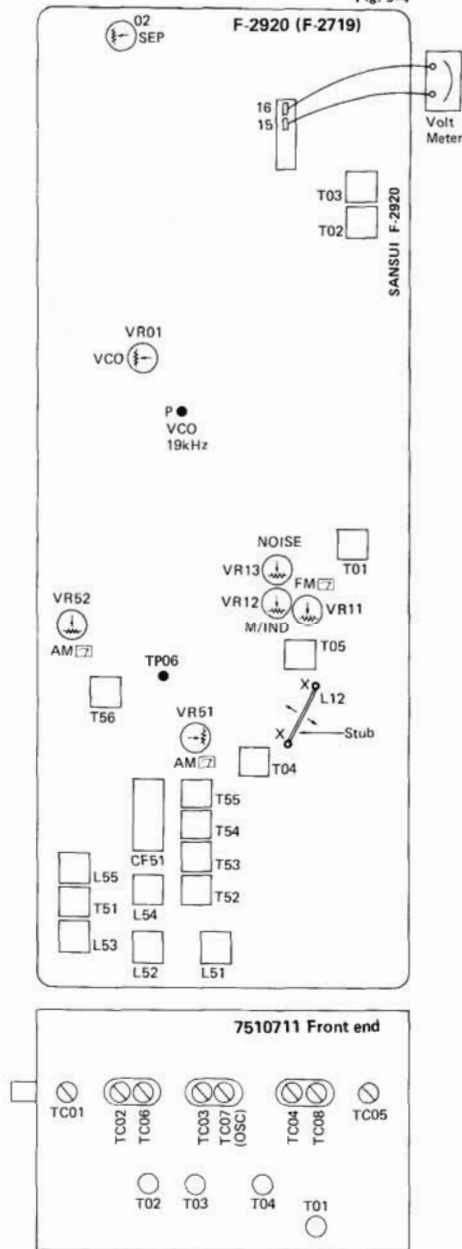
◀G-8000/801▶

Fig. 3-3



◀G-9000/901▶

Fig. 3-4



- Note: 1. Tuner circuit board F-2919 is employed in ◀G-8000/801▶ and F-2920 in ◀G-9000/901▶, however some of F-2715 for ◀G-8000/801▶ and F-2719 for ◀G-9000/901▶ are commonly used.
2. To set the Tuning meter indication to center on meter without input signal on FM adjustment, move the Stub to vary the coupling coefficient of induction between L12 and the stub.

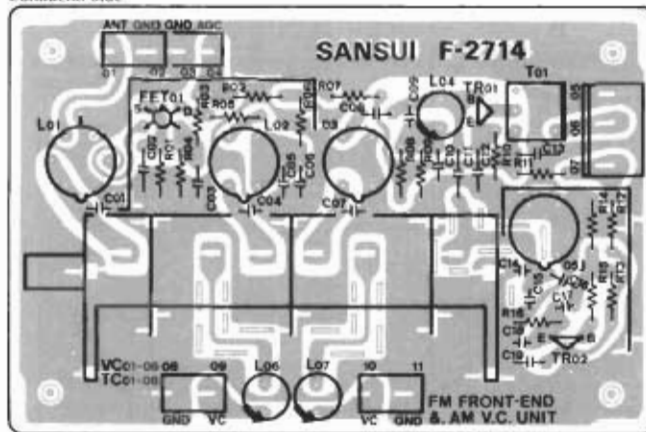






4. F-2714 Front-end Pack Circuit Board (Stock No. 7510721●G-8000/801)

Conductor Side



Parts List

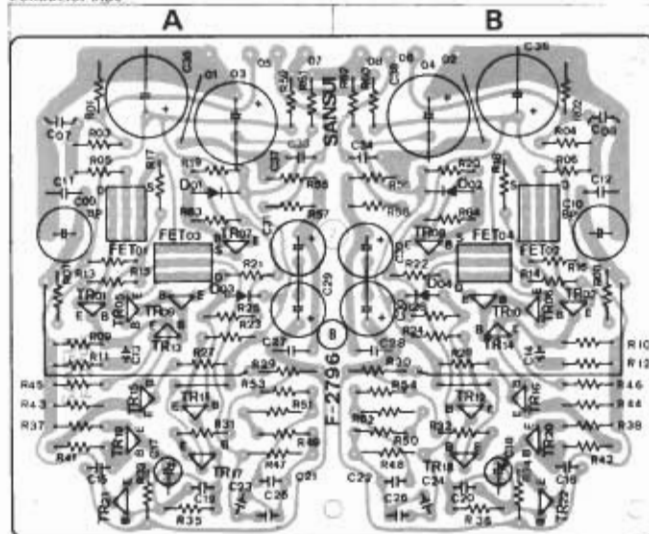
Parts No.	Stock No.	Description
TR01	0306341-2	2SC1674 L, K Transistor
TR02	0306341-2	2SC1674 L, K Transistor
F101	0170130-1	2SK41 (U) M.L. FET
C-01	0999208	18 pF 50V
C-04	0999209	18 pF 50V
C-07	0999208	18 pF 50V
C-08	0999206	8 pF 50V
C-11	0679025	0.47 μF 500V
C-14	0999202	12 pF 50V
C-15	0999207	12 pF 50V
C-16	0999209	10 pF 50V
C-17	0999205	10 pF 50V
C-18	0999205	10 pF 50V
L-01	4210730	Antenna Coil
L-02	4210340	RF Coil
L-03	4210340	RF Coil
L-04	2910290	3.0 μH Inductor
L-05	4220430	Osc. Coil
L-06	4000285	1.0 μH Inductor
L-07	4000280	3.0 μH Inductor
T-01	4229930	IF Coil
VT01	1220270	AM-FM Variable Capacitor
	2410660	2P Pin Assy Type P
	2410620	3P Pin Assy Type B

5. Front-end Pack Circuit Board (Stock No. 7510711●G-9000/901)

Note: As parts on the Front-end Pack would not be supplied individually, change whole the Front-end Pack Ass'y when repair.

6. F-2796 Equalizer AMP Circuit Board (Stock No. 7551211●G-9000/901)

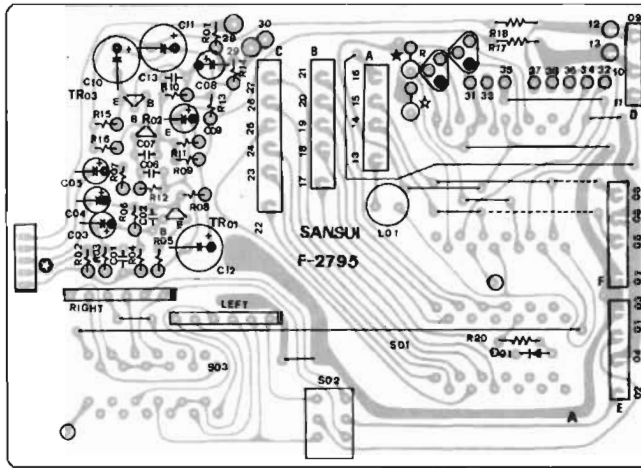
Conductor Side



Parts List

Parts No.	Stock No.	Description	Position
TR01-03	0306990-1	2SC1775 E, F	A, B
TR05-06	0306990-1	2SC1775 E, F	A, B
TR07-08	0306990-1	2SC1775 E, F	A, B
TR09-10	0306990-1	2SA872 D, E	A, B
TR11-12	0306990-1	2SC1775 E, F	A, B
TR13-14	0306990-1	2SA872 D, E	A, B
TR15-16	0306990-1	2SA872 D, E	A, B
TR17-18	0306990-1	2SB990 F, G	A, B
TR19-20	0306990-1	2SA872 D, E	A, B
TR21-22	0306990-1	2SB990 E, F	A, B
F101-02	0370302-3	2SK111 GR, SL	A, B
F103-04	0370302-3	2SK111 GR, SL	A, B
D-01-02	0340120	VD1212	A, B
D-03-04	0340120	VD1212	A, B
C-01-08	0620101	100 pF 50V	A, B
C-13-14	0620121	120 pF 50V	A, B
C-21-22	0620103	10000 pF 50V	F, C
C-23-24	0620151	150 pF 50V	A, B
C-25-26	0620272	2700 pF 50V	A, B
R-47-48	0231273	27 kΩ 1W	M, R
R-51-52	0231304	300 kΩ 1W	M, R
	2410690	4P Pin Assy Type D	

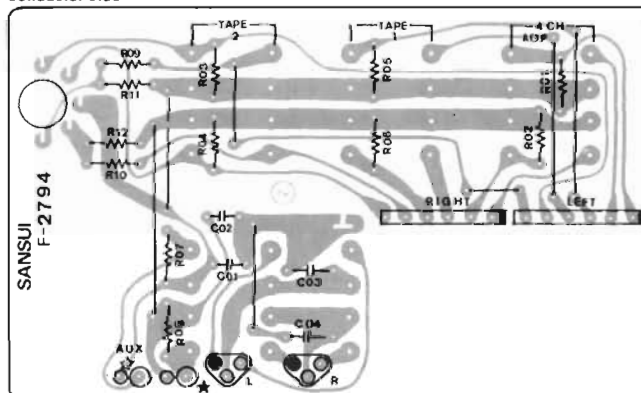
**7. F-2795 Mic. AMP Circuit Board** (Stock No. 7595791●G-8000/801)  
(Stock No. 7595871●G-9000/901)  
Conductor Side



**Parts List**

Parts No.	Stock No.	Description
TR01	030650.1	2SC1775 E, F
TR02	0300930.1	2SA872 D, E
TR03	0400503.1	2SC1775 F, F
D 01	0310740	1001 (15228) Grade
C 03	0573087	0.068 μF 20V T.C.
C 05	0572687	0.068 μF 35V T.C.
C 13	0620561	680 pF 50V P.C.
L 01	4000990	Inductor
S 01	1104370	Rotary Switch, selector
S 02	1102660	Rotary Switch, 4ch selector
S 02	1131550	Push Switch, 4 CH/INH ADAPTOR
	2410570	5P Pin Assy Type D
	2410580	6P Pin Assy Type D
	2410600	8P Pin Assy Type D
	2410670	3P Pin Assy Type F

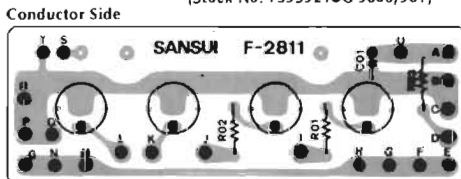
**8. F-2794 Input Terminal Circuit Board** (Stock No. 7595781●G-8000/801)  
(Stock No. 7595861●G-9000/901)  
Conductor Side



**Parts List**

Parts No.	Stock No.	Description
	Z090130	5P DIN Socket
	Z000490	12P Input Terminal
	Z000530	8P Input Terminal

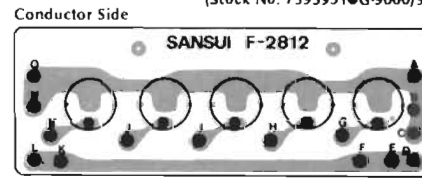
**9. F-2811 Indicator Circuit Board** (Stock No. 7595841●G-8000/801)  
(Stock No. 7595921●G-9000/901)  
Conductor Side



**Parts List**

Parts No.	Stock No.	Description
LD01	0319050	SG2-13C (green) LED
LD02 ~ 04	0319060	SG2-12C (red) LED

**10. F-2812 Selector Indicator Circuit Board** (Stock No. 7595851●G-8000/801)  
(Stock No. 7595931●G-9000/901)  
Conductor Side

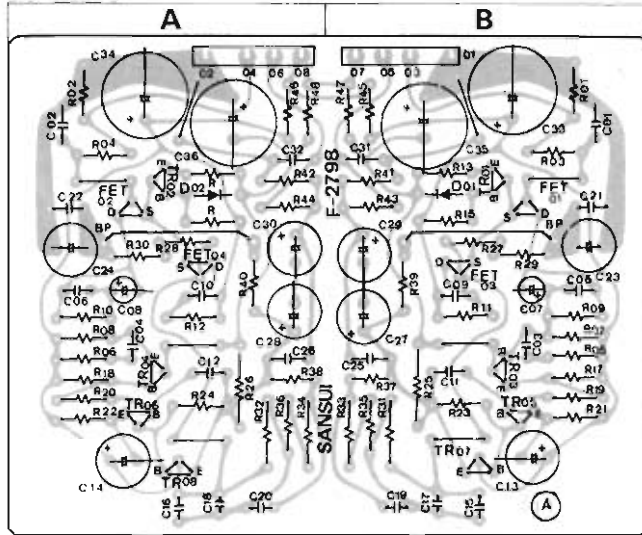


**Parts List**

Parts No.	Stock No.	Description
LD01 ~ 04	0319060	SG2-12C (red) LED

11. F-2798 Equalizer AMP Circuit Board (Stock No. 7551231●G-8000/801)

Conductor Side

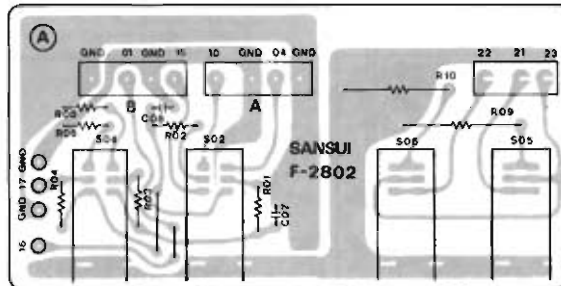


Parts List

Parts No.	Stock No.	Description	Position
TR01,02	0306500,1	2SC1775 E F	B, A
TR03,04	0300930,1	2SA872 D F	B, A
TR05,06	0300930,1	2SA872 D F	B, A
TR07,08	0300571,2	2SD438 F F	B, A
IC01,02	0390382,3	2SK117 GA, BL	B, A
IC03,04	0390382,3	2SK117 GA, BL	B, A
IC01,02	0390120	VD1212	Monitor
	0390150	MV12	Monitor
C01,02	0620101	100 pF 50V	B, A
C03,04	0620101	100 pF 50V	B, A
C10,16	0620212	2700 pF 50V	P.C.
C17,18	0620151	150 pF 50V	B, A
C19,20	0625103	10000 pF 50V	B, A
R26,28	0211002	3.9 kΩ 1/4W N.I.R.	B, A
R21,28	0211200	22 Ω 1/4W	B, A
R29,30	0211561	560 Ω 1/4W	B, A
R31,32	0211273	27 Ω 1/4W	M.R.
R33,34	0211004	390 Ω 1/4W	B, A
R35,36	0211153	15 kΩ 1/4W	B, A
	2410680	4P Pin Assy Type D	

12. F-2802 Tone SW Circuit Board (Stock No. 7562091●G-8000/801)

Conductor Side

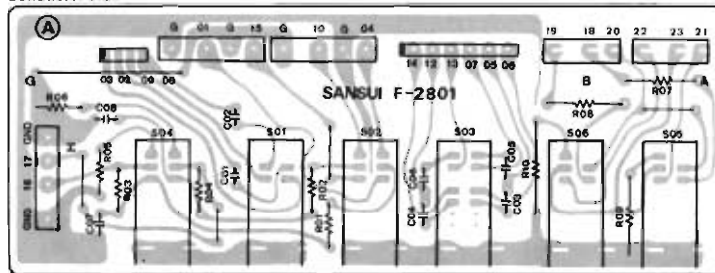


Parts List

Parts No.	Stock No.	Description
C01,02	0620221	220 pF 50V P.C.
R09,10	0212681	480 Ω 2W
R10	0212681	480 Ω 1/4W
S01	1171780	Level Switch, tone
S02	1171790	Level Switch, audio muting
S04	1171780	Level Switch, speakers A
S05	1171780	Level Switch, speakers B
	2410670	3P Pin Assy Type F
	2410680	4P Pin Assy Type F

13. F-2801 Tone SW Circuit Board (Stock No. 7562131●G-9000/901)

Conductor Side

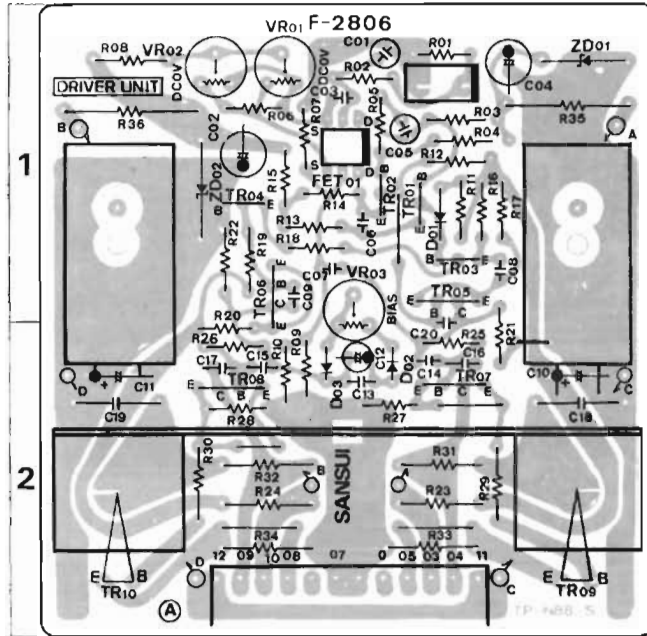


Parts List

Parts No.	Stock No.	Description	Parts No.	Stock No.	Description	Parts No.	Stock No.	Description
C01,02	0679021	680 pF 50V	S01	1171780	Level Switch, tone	S06	1171780	Level Switch, speakers B
C02,04	0620221	220 pF 50V P.C.	S03	1171800	Level Switch, turn over		2410670	3P Pin Assy Type F
R09,10	0212681	480 Ω 2W N.I.R.	S04	1171790	Level Switch, audio muting		2410680	4P Pin Assy Type F
S01	1171780	Level Switch, turn over	S05	1171790	Level Switch, speakers A			



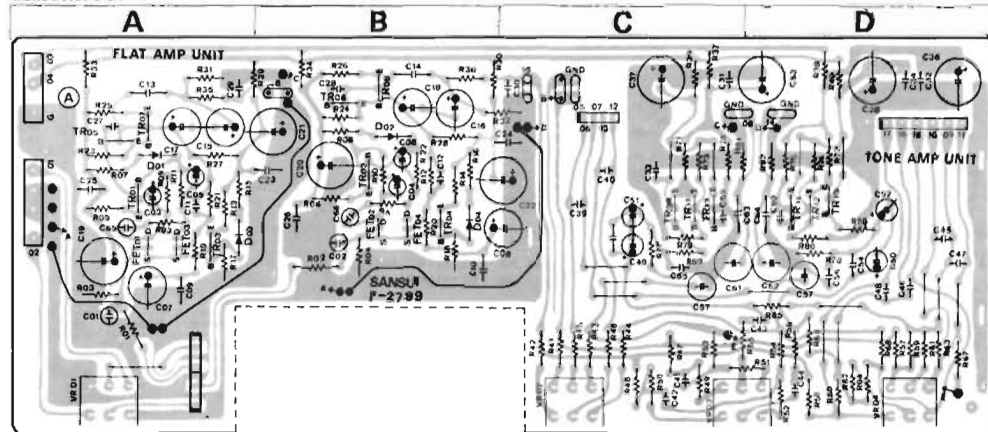
14. F-2806 Driver AMP Circuit Board (Stock No. 7571841●G-8000/801)  
Conductor Side (Stock No. 7571861●G-9000/901)



Parts List

Parts No.	Stock No.	Description	Position
TR01	0306550	2SC1775 E, F	1
TR02	0306550	2SC1775 E, F	1
TR03	0306550	2SA472 D, E	1
TR04	0306550	2SA472 D, E	1
TR05	0300700	2SA1818 C, Y	1
TR06	0306260	2SC1628 O, Y	1
TR07	0306260	2SC1628 O, Y	2
TR08	0300700	2SA1818 O, Y	2
TR09	0306550	2SC2238 O, Y	2
TR10	0301020	2SA9881 B, O, Y	2
FT01	0370251	2SK97 FET	1
D 01	0311160	1S2473D Diode	1
D 02	0340161	2 STV 3H Y, G Varistor	1
ZD01	0316170	EG801-2Z	1
ZD02	0316170	FG801-2Z	1
C 01	0620101	100 pF 50V	p.c.
C 05	0620331	330 pF 50V	1
C 07	0669505	5 pF 50 V C.C.	1
C 18	0602109	1.0 uF 100 V	1
C 19	0602109	1.0 uF 100 V	M.C.
R 03	0213332	3.3 kΩ 1/4W	1
R 04	0213332	3.3 kΩ 1/4W	M.R.
R 08	0103492	3.3 kΩ 1/4W C.R.	1
R 23	0210470	47 Ω 1/4W	N.I.R.
R 24	0210470	47 Ω 1/4W	1
R 29	0103479	4.7 Ω 1/4W	C.R.
R 30	0103479	4.7 Ω 1/4W	C.R.
R 31	0210100	10 Ω 1/4W	1
R 32	0210100	10 Ω 1/4W	N.I.R.
R 33	0103560	36 Ω 1/4W	C.R.
R 34	0103560	36 Ω 1/4W	C.R.
R 35	0213222	2.2 kΩ 1/4W	N.I.R.
R 36	0213222	2.2 kΩ 1/4W	1
VR01	1015200	100 kΩ (B) x 2 Volume, treble	1
VR02	1015200	2.2 kΩ (B) Volume, DC OV	1
VR03	1015200	100 kΩ (B) Volume, Bass	1
VR04	2410660	2P Pin Assy Type F	1
	2420520	5P Pin Connector Type A	1

15. F-2799 Tone Control Circuit Board (Stock No. 7562071●G-8000/801)  
Conductor Side (Stock No. 7562111●G-9000/901)

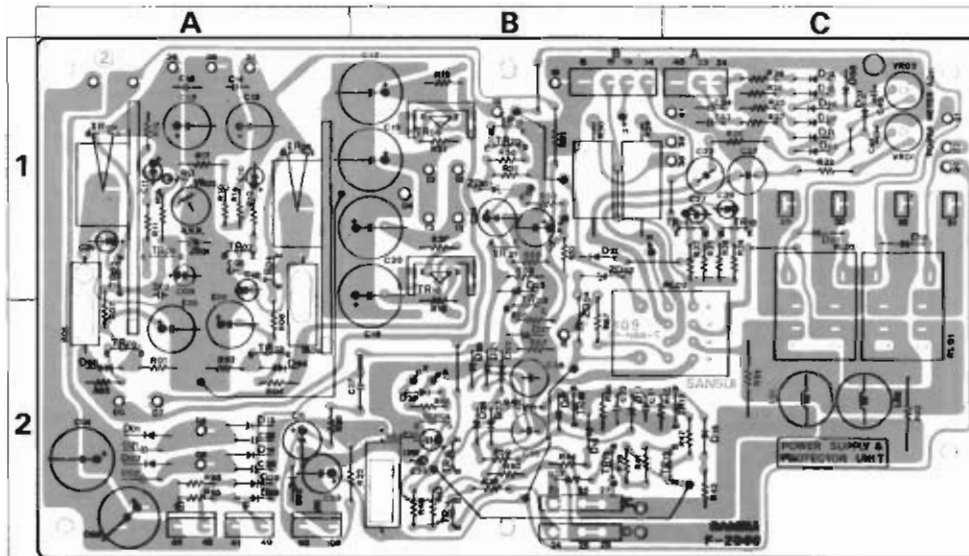


Parts List

Parts No.	Stock No.	Description	Position	Parts No.	Stock No.	Description	Position	Parts No.	Stock No.	Description	Position	
TR01	0306550	2SA472 D, E	A, B	FT01	0370302	2SK117 GR, BL	FET	A, B	VR02	1015200	1 100 kΩ (B) x 2 Volume, treble	C
TR03	0306550	2SC1775 E, F	A, B	FT03	0370302	2SK117 GR, BL	FET	A, B	VR03	1015200	1 100 kΩ (B) x 2 Volume, midrange	C
TR05	0300930	2SA472 D, E	A, B	D 01	0311160	1S2473D	Diode	A, B	VR04	1015200	1 100 kΩ (B) x 2 Volume, Bass	D
TR07	0303161	2 2B8500 E, F	Transistor	D 03	0311160	1S2473D	Diode	A, B				
TR09	0300930	2SA472 D, E	C, D	C 05	0620331	330 pF 50V P.C.		A, B				
TR11	0300930	2SA472 D, E	C, D	R 27	0213682	6.8 kΩ 1/4W N.I.R.		A, B				
TR13	0306510	2SC1222 12V U, E	C, D	VR01	1015340	1 250 kΩ (WN) x 2 Volume, balance	A					

G-8000/801  
G-9000/901

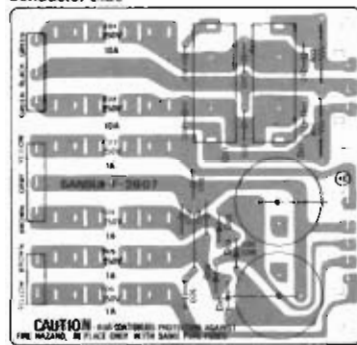
16. F-2809 AF Power Supply and Protector Circuit Board (Stock No. 7571851 G-8000/801)  
Conductor Side (Stock No. 7571871 G-9000/901)



Parts List

Part No.	Stock No.	Description	Position	Part No.	Stock No.	Description	Position	Part No.	Stock No.	Description	Position		
TR01	0300721	2 25A-499 D, E	2C	D 11, 12	0311060	1N60-P	1A	ZD03	0316400	1N60-2E C	Zener Diode	1B	
TR02	0306201	2 25C-1715 D, E	2C	D 13, 14	0310340	1001 (1S2226)	2C	ZD04	0315061	EQ801-12	Zener Diode	2B	
TR03	0306990	~ 2 25C-945 R, Q, P	1C	D 15, 16	0311160	1S-2473D		SR01	0360020	2P-166 SCR		2C	
TR04	0300680	~ 2 25A-733 Q1, Q, R	1C		0311160	1S-1588	2A, B	C 01, 02	0855103	10000 pF 500V	CC	2C	
TR05	0306112	3 25D-314 E, F	1C	D 17, 18	0311160	1S-2473D		C 26, 26	0855103	10000 pF 500V	CC	2C	
TR06	0301420	1 25H-508 D, E	1C		0311180	1S-1588		C 37	0602338	0.33 uF 100 M.C.		2B	
TR07	0306990	~ 2 25C-945 R, Q, P	1C	D 19	0310340	1001 (1S2226)	Diode	1A	R 05	0213331	330 Ohm 2W	2C	
TR08	0306980	~ 2 25A-733 Q1, Q, R	1C	D 20	0310340	1001 (1S2226)	Diode	1A	R 06	0213331	330 Ohm 2W	2C	
TR09	0306021	2 25H-438 E, F	1B	D 21, 22	0311160	1S-2473D		R 09	0210272	2.7 k Ohm 1/2W	N I R	1C	
TR10	0303061	1 25H-590 E, F	Transistor 1B		0311180	1S-1588		R 22	0211221	220 Ohm 1W	N I R	2C	
TR11	0306990	~ 2 25C-945 Q, P, K	1A	D 23, 24	0311160	1S-2473D		R 23, 24	0201471	410 Ohm 1W		1A	
TR12	0306990	~ 2 25C-945 Q, P, K	1A	D 25	0311180	1S-1588		R 29, 30	0115221	220 Ohm 5W		1B	
TR13, 14	0306990	1 25C-1775 E, F	2B	D 25	0311160	1S-2473D		R 31	0210223	22 k Ohm 1/2W		1B	
TR15, 16	0306980	1 25A-872 D, E	2A, B	D 26	0311180	1S-1588		R 32	0135101	100 Ohm 5W Cx R		2B	
TR17, 18	0006390	25C-1636 (1), (2)	2A, B	D 26	0340120	VD1212	Varistor	20	R 61, 62	0212229	2.2 Ohm 2W	N I R	2A
TR19	0306021	2 25H-438 E, F	1B	D 27	0340150	MV-121	Varistor	20	R 67	0210681	680 Ohm 1/2W		2A
TR20	0306990	~ 2 25C-945 Q, P, K	1B	D 27	0311160	1S-2473D		L 01, 02	4210290	1.5 uH Coil		2A	
TR21	0306990	~ 2 25C-945 Q, P, K	1B	D 28, 29	0311180	1S-1588		RL01, 02	1150410	Relay		2A	
TR22	0306990	~ 2 25C-945 Q, P, K	2B		0311160	1S-1588	Diode	2C	VR01, 02	1034250	4.7 k Ohm 1B1 Volume, power meter		2A
D 01, 02	0310340	1001 (1S2226)	Diode	D 30, 31	0311160	1S-2473D			2410070	3P Pin Assy Type F		2A	
D 03, 04	0340120	VD1212	Varistor	D 32	0310340	1001 (1S2226)			2410660	4P Pin Assy Type F		2A	
D 05, 06	0311060	1N60-P	Diode	1A	ZD01	0316380	1N60-2E, B	Zener Diode	1C	2410810	2P Pin Assy Type E		2A
D 07, 08	0311060	1N60-P	Diode	1A	ZD02	0315061	EQ801-12	Zener Diode	1B	2411360	3P Miniature Plug		2A
D 09, 10	0311160	1S-2473D	Diode										

17. F-2807 Power Supply (R) Circuit Board (Stock No. 7502661 G-8000/801)  
Conductor Side (Stock No. 7502631 G-9000/901)

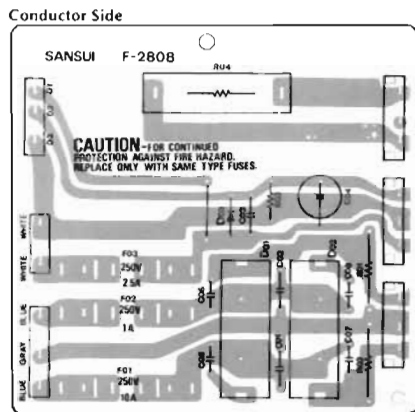


Parts List

Part No.	Stock No.	Description
O 01	0311110	SS-S
O 02	0311330	SS-8R
O 03	0310640	1001 (1S2226)
O 04	0310340	1001 (1S2226)
O 05	0310340	1001 (1S2226)
D 06	0310340	1001 (1S2226)
C 01	0655221	23000 pF 500V
C 02	0855223	23000 pF 500V
C 03	0816103	10000 pF 500V
C 04	0655103	10000 pF 500V
C 05	0855103	10000 pF 500V
C 06	0855103	10000 pF 500V
C 07	0648303	1000 pF 80V
C 08	0648303	1000 pF 80V
C 09	0855103	10000 pF 500V
C 10	0655103	10000 pF 500V
C 11	0655103	10000 pF 500V
C 12	0655103	10000 pF 500V
R 01	0202822	8.2 k Ohm 2W
R 02	0202822	8.2 k Ohm 2W
F 01	0434080	16A 250V
F 02	0434080	16A 250V
F 03	0432220	1A 250V
F 04	0432220	1A 250V

Part No.	Stock No.	Description
F 05	0432220	1A 250V AC Fuse
F 06	0432220	1A 250V AC Fuse
	2310220	Fuse Holder
	2411400	3P Miniature Plug
	2411420	5P Miniature Plug
	2411460	2P Plug

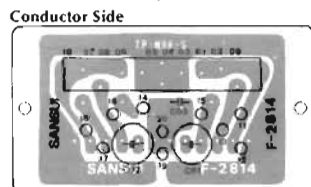
**18. F-2808 Power Supply (L) Circuit Board**  
(Stock No. 7502671●G-8000/801)  
(Stock No. 7502641●G-9000/901)



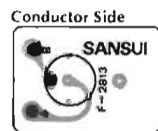
**Parts List**

Parts No.	Stock No.	Description
D 01	0311310	SS 5 Diode
D 02	0311320	SS-5R Diode
D 03	0310340	10D11522261 Diode
C 01	0655223	22000 pF 500V
C 02	0655223	22000 pF 500V
C 05	0655103	1000 pF 500V
C 06	0655103	10000 pF 500V
C 07	0655103	10000 pF 500V
C 08	0655103	10000 pF 500V
R 01	0202822	8.2 kΩ 2W
R 02	0202822	8.2 kΩ 2W N I R
R 04	0258369	3.9 Ω 15W Ca R
F 01	0434060	10A 250V
F 02	0434060	10A 250V AC fuse
F 03	0432250	2.5A 250V J
	2310220	Fuse Holder
	2411360	3P Miniature Plug
	2411400	3P Miniature Plug
	2411450	2P Plug

**19. F-2814 Driver Connection Circuit Board**  
(Stock No. 7595821●G-8000/801)  
(Stock No. 7595901●G-9000/901)



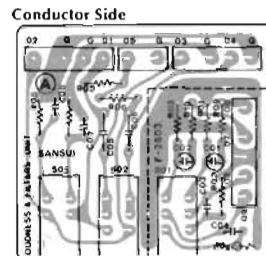
**20. F-2813 FM Stereo Indicator Circuit Board**  
(Stock No. 7521681●G-8000/801)  
(Stock No. 7521701●G-9000/901)



**Parts List**

Parts No.	Stock No.	Description
LDD1	0319060	SG2-12C (red) LED

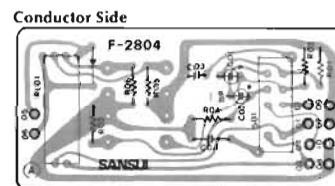
**21. F-2803 Filter Circuit Board**  
(Stock No. 7562101●G-8000/801)  
(Stock No. 7502641●G-9000/901)



**Parts List**

Parts No.	Stock No.	Description
C 01, 02	0670611	510 pF 50V P.C.
S 01	1131640	Push Switch, loudness
	2410660	2P Pin Assy Type F
	2410680	4P Pin Assy Type F
	2410690	5P Pin Assy Type F

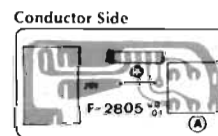
**22. F-2804 Pre-Main SW Circuit Board**  
(Stock No. 7595811●G-8000/801)  
(Stock No. 7595891●G-9000/901)



**Parts List**

Parts No.	Stock No.	Description
D 01	0310340	10D11522261 Diode
RL01, 02	1150430	Relay
S 01	7710290	Slide Switch, pre main
	2200500	4P Input Terminal

**23. F-2805 Mic Jack Circuit Board**  
(Stock No. 7610241●G-8000/801)  
(Stock No. 7610231●G-9000/901)



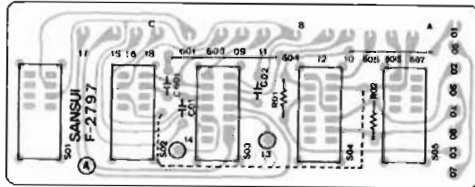
**Parts List**

Parts No.	Stock No.	Description
VR01	1090270	20 kΩ (A) Volume, mic level
J 01	2430400	Mic Jack

G-8000/801  
G-9000/901

**24. F-2797 FM Accessory SW Circuit Board**  
(Stock No. 7595801●G-8000/801)  
(Stock No. 7595881●G-9000/901)

Conductor Side



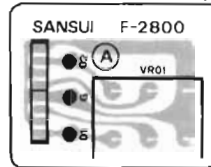
**Parts List**

Parts No.	Stock No.	Description
S 01	1171780	Lever Switch, FM IF BAND ◀G-9000/901▶
S 02	1171780	Lever Switch, FM AUTO NOISE FILTER
S 03	1171780	Lever Switch, Dolby FM, DE EMPHASIS
S 04	1171800	Lever Switch, MODE
S 05	1171780	Lever Switch, FM MUTING
	2410690	4P Pin Assy Type F
	2410700	8P Pin Assy Type F

**25. F-2800 Volume Circuit Board**

(Stock No. 7562081●G-8000/801)  
(Stock No. 7562121●G-9000/901)

Conductor Side

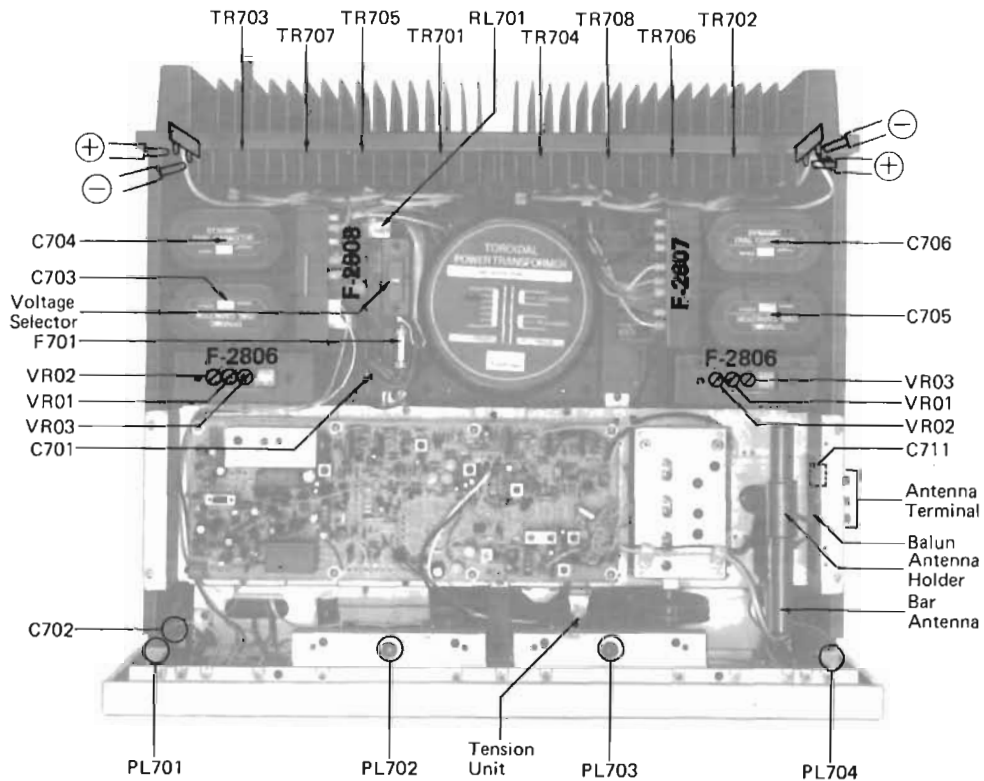


**Parts List**

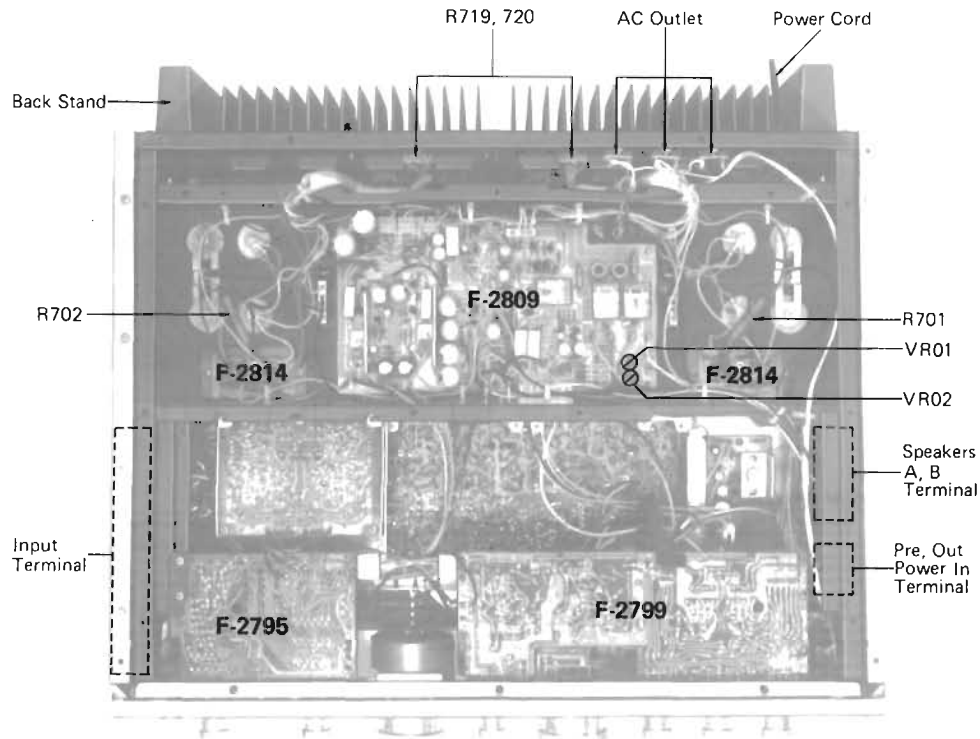
Parts No.	Stock No.	Description
VR01	1011150	150 kΩ x 2 Volume Level

**5. OTHER PARTS**

<Top View> ◀G-9000▶



<Bottom View> <<G-9000>>

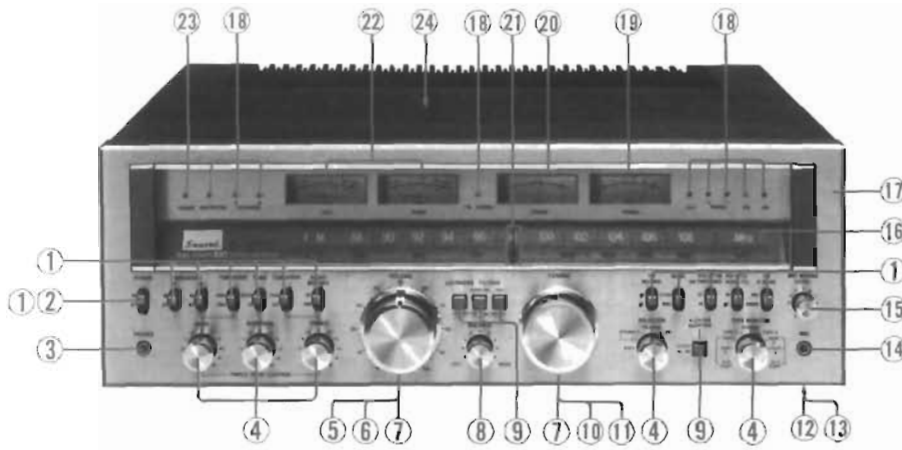


<Top, Bottom View> <<G-8000/801/9000/901>>

Parts No.	Stock No.	Description	Parts No.	Stock No.	Description	Parts No.	Stock No.	Description
TR701 ~ 04	0306620 ~ 2.25C 1A03 1B1 R. O. Y. G-8000/801		C 705	0558846	15000 $\mu$ F 80V	PL 701	1150440	Relay
	0306630 ~ 2.25C 1A06 R. O. Y. G-8000/901		C 706	0558846	15000 $\mu$ F 80V E.C. (G-9000/901)	PL 701 ~ 04	0400560	8V 0.3A Lamp
TR705 ~ 05	0300290 ~ 2.25A 7A5 1B1 R. O. Y. G-8000/801		C 707	0602109	1 $\mu$ F 100V		0434060	10A 250V Power Fuse (G-8000/801)
	0301010 ~ 2.25A 809 R. O. Y. G-9000/901		C 708	0602109	1 $\mu$ F 100V	F 701	0434100	12A 125V Power Fuse (G-9000/901)
C 701	0603337 0.033 $\mu$ F 125V M.C. UL		C 709	0602109	1 $\mu$ F 100V M.C. (G-9000/901)		2310250	Fuse Holder
	0605537 0.033 $\mu$ F 250V M.C.		C 710	0602109	1 $\mu$ F 100V		2410251	Voltage Selector, plug
	0603476 0.0047 $\mu$ F 125V M.C. UL		C 712 ~ 15	0602109	1 $\mu$ F 100V		2410830	Voltage Selector, socket
	0635476 0.0047 $\mu$ F 125V P.C. CS		R 701.02	0205100	10 $\Omega$ 5W N I R		2450060	AC Outlet
C 702	0604902 0.0047 $\mu$ F 150V C.C.		R 703 ~ 10	0200479	4.7 $\Omega$ 5W N I R		3800240	Power Cord
C 721, 722	0558847 6800 $\mu$ F 71V		R 711 ~ 18	0155338	0.33 $\Omega$ 5W Lx R		3910450	Cord Stopper
C 723, 724	0558847 8800 $\mu$ F 71V	E.C. (G-8000/801)	R 719, 20	0320120	Thermistor		2210310	Antenna Terminal
C 725, 726	0558847 6800 $\mu$ F 71V	E.C. (G-8000/801)	L 701	4290023	Balun		2290190	Speaker A, B, Terminal
C 727, 728	0558847 6800 $\mu$ F 71V	E.C. (G-8000/801)	L 711	4200870	Bar Antenna		7128120	Tension Unit
C 703	0558848 15000 $\mu$ F 80V	E.C. (G-9000/901)		5288280	Antenna Holder		5216100	Back Stand (G-8000/801)
C 704	0558846 15000 $\mu$ F 80V	E.C. (G-9000/901)	PT 01	14002750	Power Transformer (G-6000/801)		5216110	Back Stand (G-9000/901)
				14002740	Power Transformer (G-9000/901)		2230190	Grand Terminal

- Note: 1. To replace the Power transistor, remove the heat sink of the backside of the set first.
2. Shield cases covering Driver Circuit Board F-2806, are distinguished between air-tight type by the FM Pack and the other.

<Front View> «G-9000»

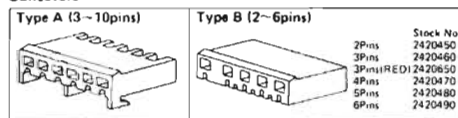


Parts List «G-8000/801/9000/901»

Parts No.	Stock No.	Description	Parts No.	Stock No.	Description	Parts No.	Stock No.	Description
1	5326700	Lever Switch Knob	15	5319120	US-1 Type Knob	5306380		Square Knob Ring
2	1171600	Lever Switch, power	16	5408283	Dial Scale «G-8000»	5289290		Fixing Plate
3	2430100	Head Phone Jack		5408420	Dial Scale «G-8013»	18	0319260	SG2-12C (Red) LED
4	5319100	SS-4 Type Knob		5408273	Dial Scale «G-9000»	19	4301180	Signal Meter
5	5319010	R-7 Type Knob		5408410	Dial Scale «G-9013»	20	4301190	Tune Meter
6	7126020	Pre-Set Stopper	17	5301081	Front Panel «G-8000»	21	7116940	Dial Printer Ass'y
7	5298172	Grille		5301020	Front Panel «G-9013»	22	4301200	Power Meter
8	5319090	SS-3 Type Knob		5301071	Front Panel «G-9000»	23	0319260	SG2-13C (Green) LED
9	5328690	Push Switch Knob		5310610	Front Panel «G-9013»	24	5727081	Wood Bannet
10	5319020	U-7 Type Knob		5058830	Making Sheet			
11	7030560	Tuning Unit Ass'y		5408243	Front Glass			
12	5066350	Bottom Plate		5607180	Front Glass Fixing			
13	5517050	Leg		5305620	Dial Frame (R)			
14	2430400	Mic Jack		5305930	Dial Frame (L)			

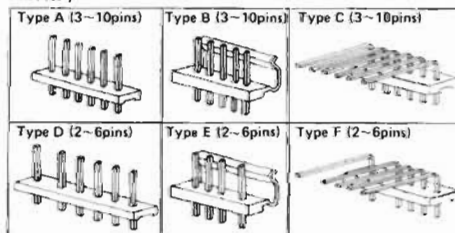
● Figures

Connectors



NOTE: Since stock number of female connectors (type B) with wires are not shown in each parts list of Complete circuit board, please refer to the above parts list when ordering the connector.

Pin Ass'y

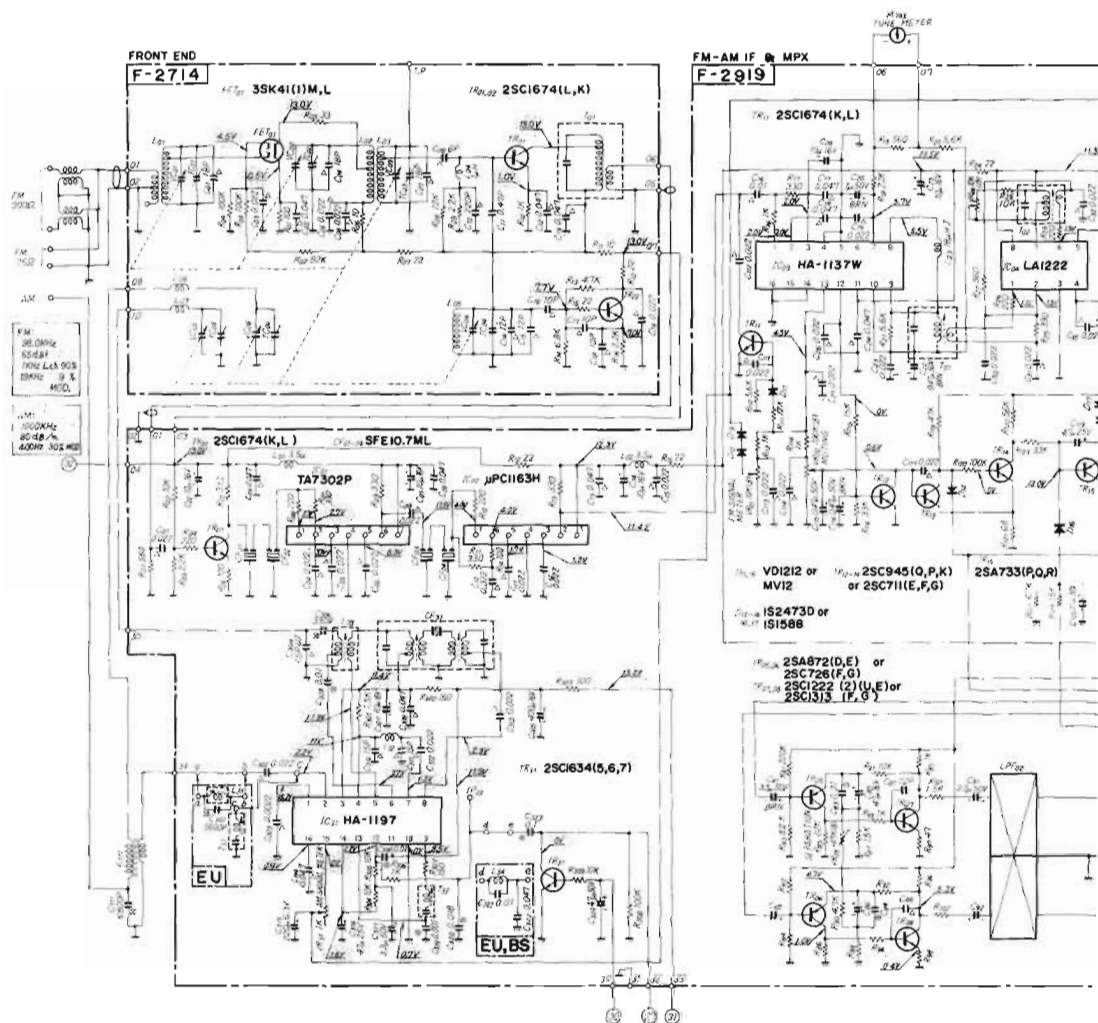


● Abbreviations

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

A	B	C	D
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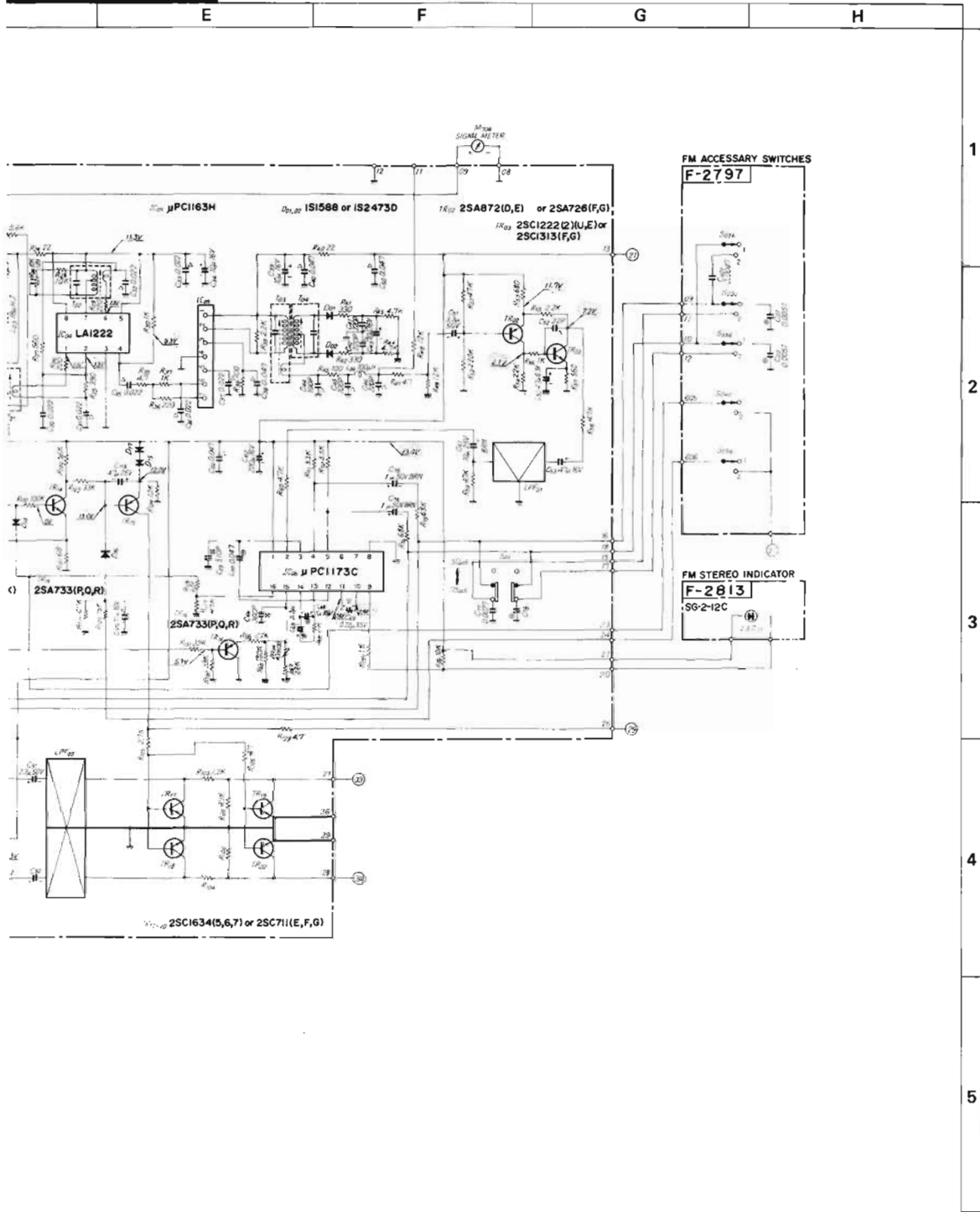
## 6. SCHEMATIC DIAGRAM 1. <G-8000/801> Tuner Section



G-8000/801  
G-9000/901

G-8000/801  
G-9000/901

\* Design and specifications subject to change without notice for improvement.  
\* La présentation et les spécifications sont susceptibles d'être modifiées sans préavis par suites d'améliorations éventuelles.  
\* Änderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.







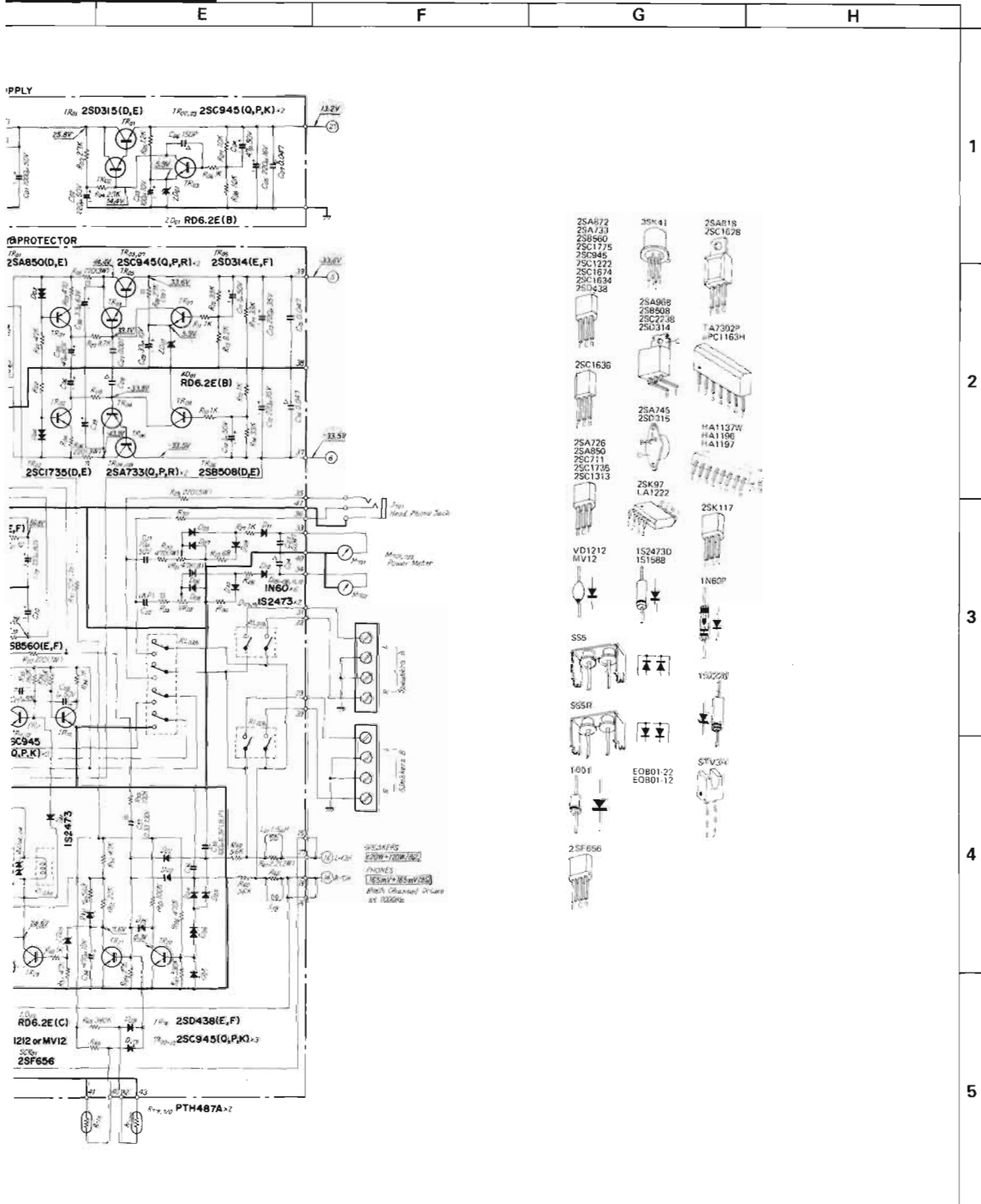




G-8000/801  
G-9000/901

G-8000/801  
G-9000/901

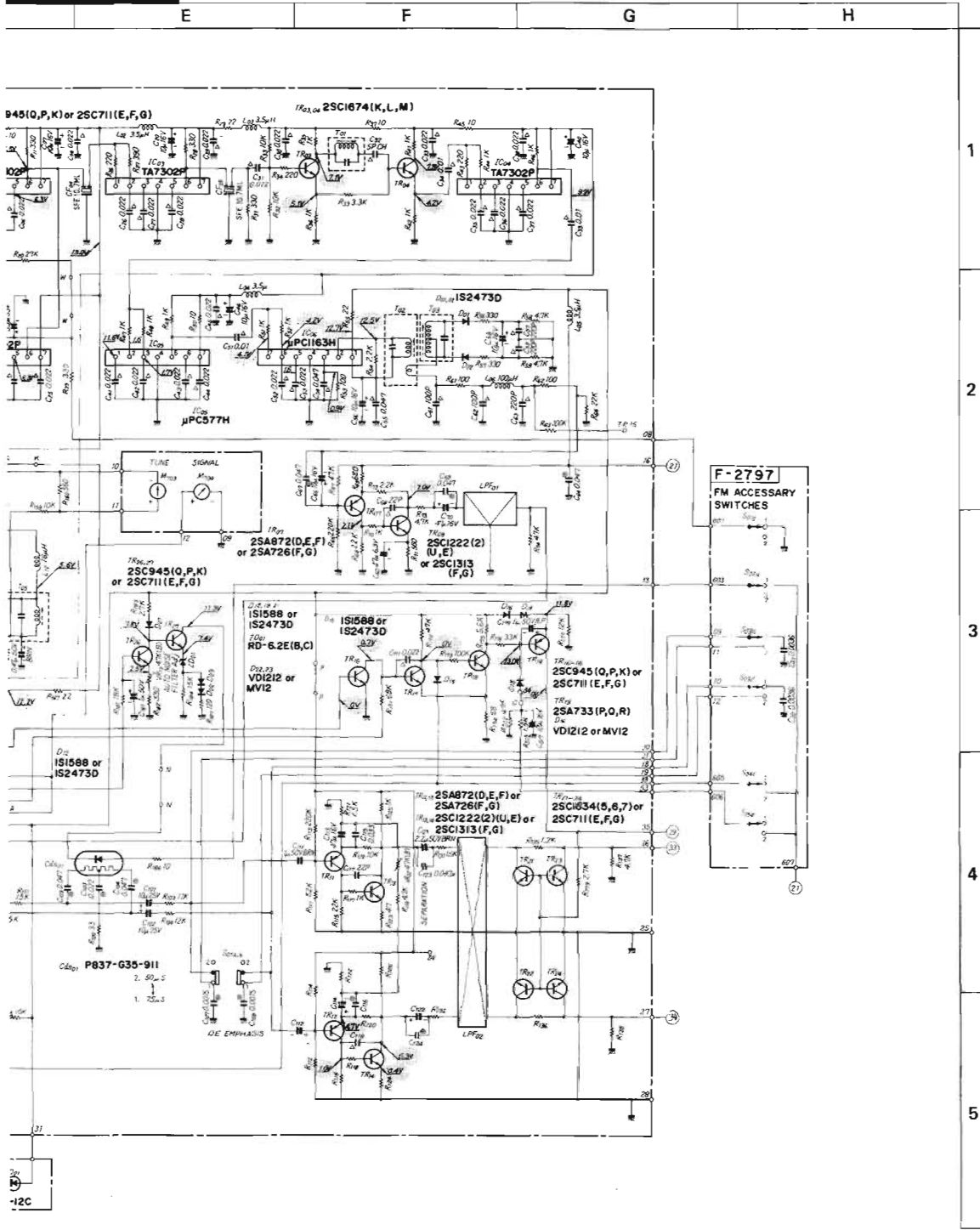
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\* Änderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.





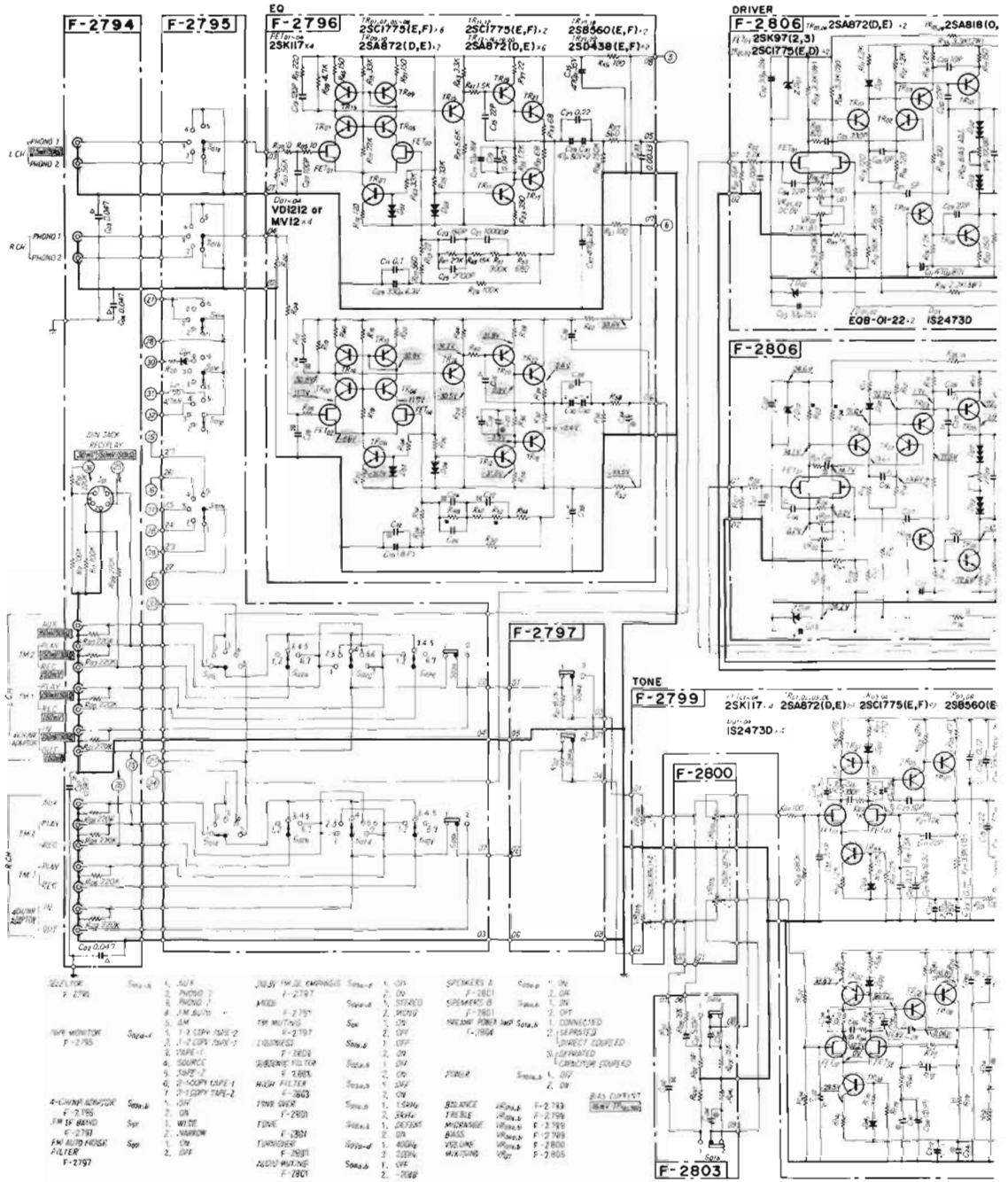
00/801 G-8000/801  
 00/901 G-9000/901

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 \* Änderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.



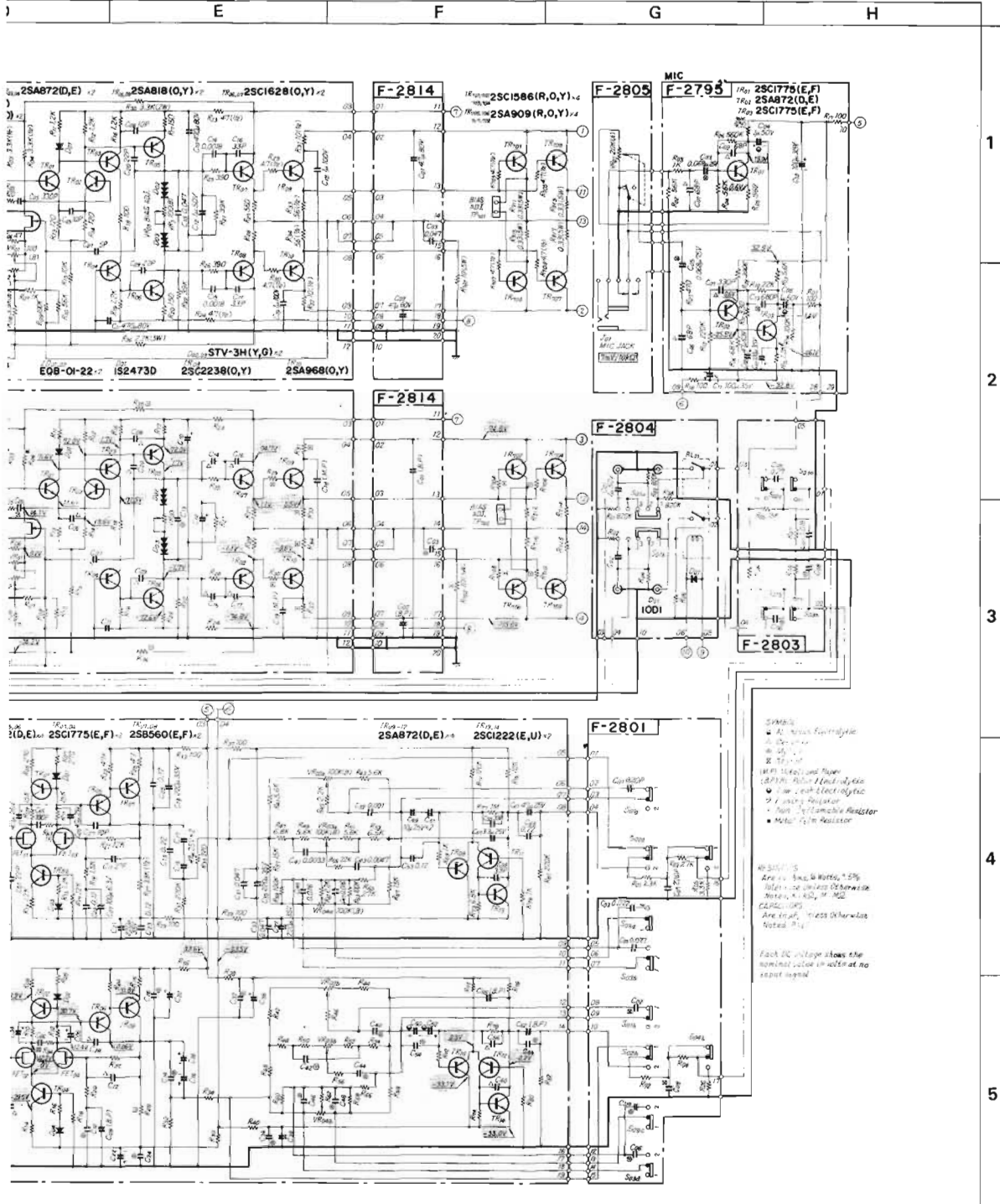


5. «G-9000/901» Audio Section



G-8000/801  
G-9000/901

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\* Änderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.



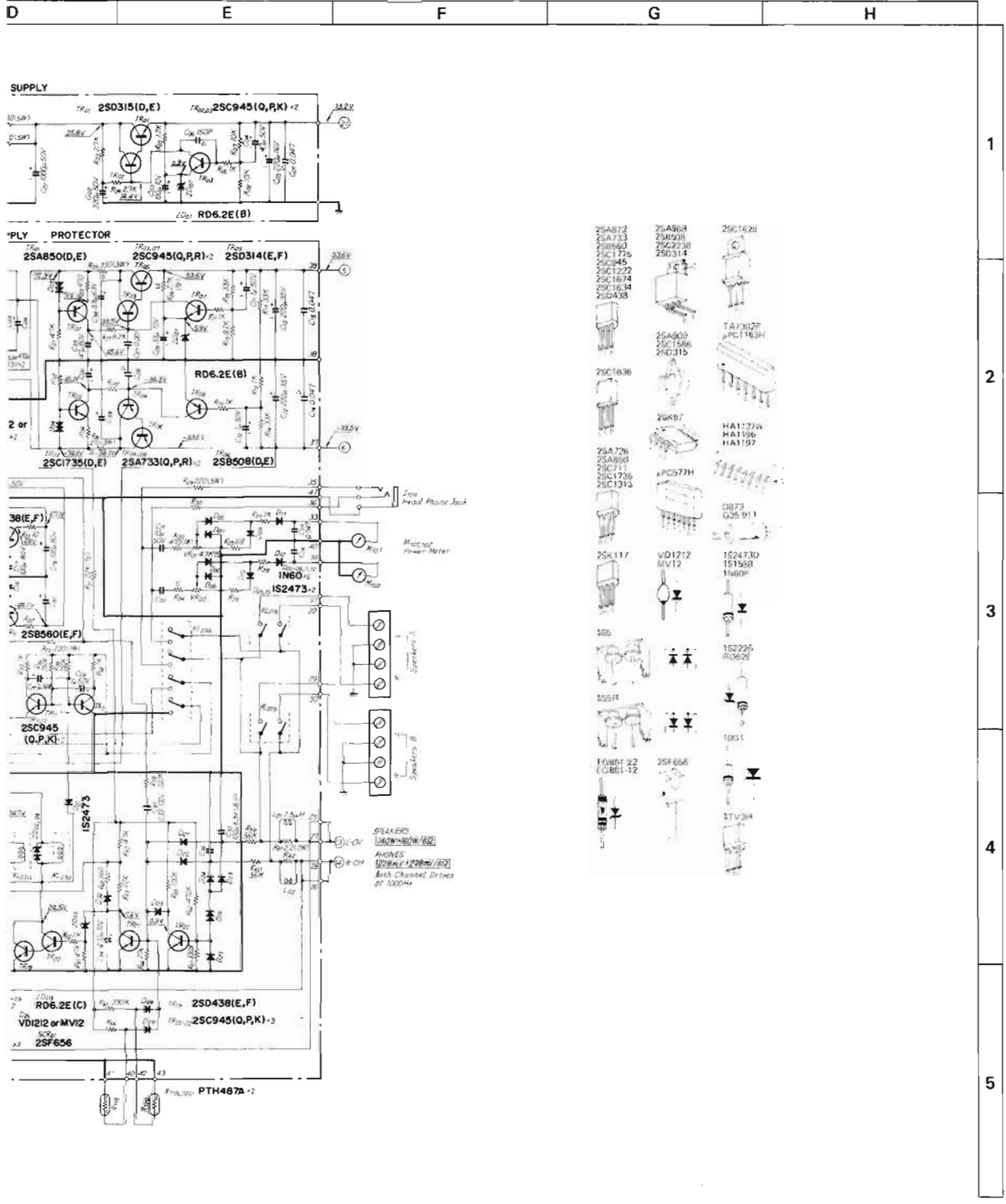




G-8000/801  
G-9000/901

G-8000/801  
G-9000/901

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\* Änderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.



1  
2  
3  
4  
5

## 7. THREADING OF DIAL CORD

- \*If a dial cord is cut off or slips, replace it by following procedures.
- As this unit uses 0.5 mmφ cord, please replace it with the same type certainly.
- \*The length of dial cord is approximately 170cm (66.9 inch),

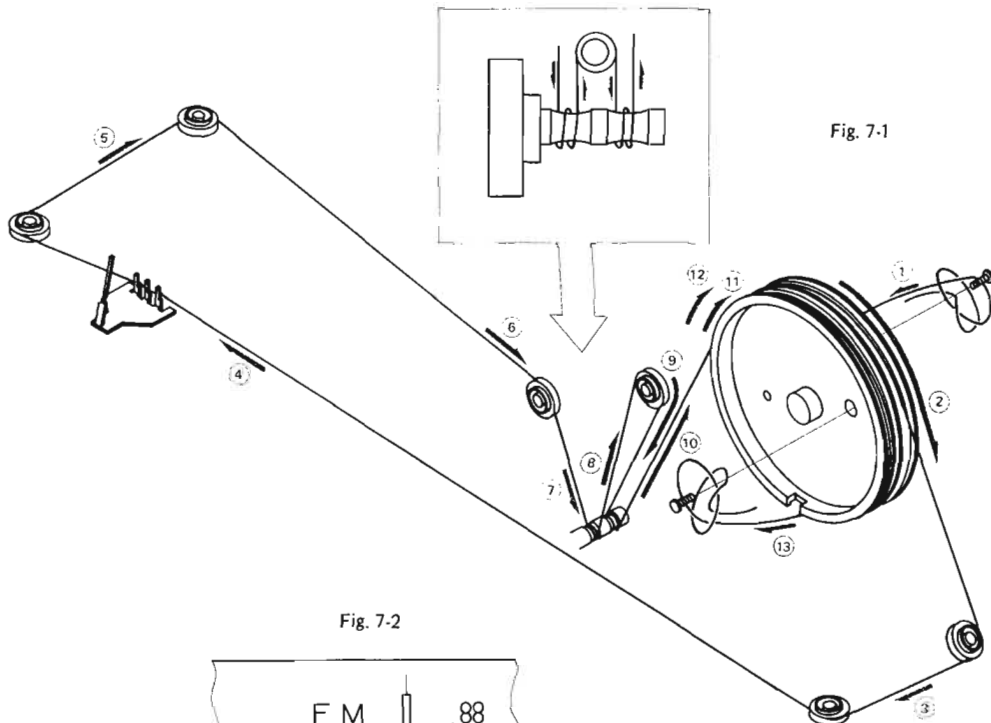
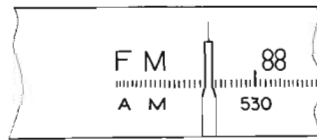


Fig. 7-2



### Threading of Dial Cord

Thread the dial cord in numerical order from 1 to 13 as Fig. 7-1.  
\*Close the variable capacitor completely.

Stock No.	Description
6036050	Dial Cord (0.5 mmφ)
6146721	Dial pulley

### Attachment of Dial Pointer

- 1) Close the variable capacitor completely.
- 2) Set the indication to the start point, the line at the left edge of the dial scale.

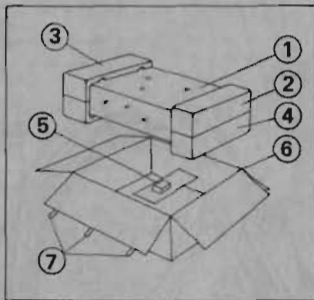
\*Confirm that the dial pointer runs smoothly on the dial scale by turning the tuning shaft.

## 8. PACKING LIST

Parts No.	Stock No.	Description
1	9116740	Vinyl Cover
	9126270	Polyethylene Sheet
2	9028130	Stylofoam Packing (L-Upper)
3	9029120	Stylofoam Packing (R-Upper)
4	9028110	Stylofoam Packing (Lower)
5	9028160	Stylofoam Packing
6	9009901	Carton Case <G-8000>
	9000550	Carton Case <G-801>
	9009911	Carton Case <G-9000>
7	9000540	Carton Case <G-901>
	5996080	Curly Stopper

## 9. ACCESSORY PARTS LIST

Stock No.	Description
9202900	Operating Instructions <G-8000>
9203740	Operating Instructions <G-801>
9202890	Operating Instructions <G-9000>
9203750	Operating Instructions <G-901>
9237700	Schematic Diagram <G-8000>
9237800	Schematic Diagram <G-801>
9237710	Schematic Diagram <G-9000>
9237790	Schematic Diagram <G-901>
2410560	Short Pinplug 2Pcs.



MEMO

**Sansui**

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