

# SERVICE MANUAL

PURE POWER DC STEREO RECEIVER

## SANSUI G-5700 G-6700 G-7700



*Sansui*

SANSUI ELECTRIC CO., LTD.

### SPECIFICATIONS

- ◆ Audio section  
<G-5700>
- Power output  
Min. RMS, both channels driven, from 20 to 20,000 Hz, with no more than 0.03 % total harmonic distortion.  
75 watts per channel into 8 ohms  
Load impedance . . . . . 8 ohms
- <G-6700>  
Power output  
Min. RMS, both channels driven, from 20 to 20,000 Hz, with no more than 0.025 % total harmonic distortion.  
90 watts per channel into 8 ohms  
Load impedance . . . . . 8 ohms
- <G-7700>  
Power output  
Min. RMS, both channels driven, from 20 to 20,000 Hz, with no more than 0.025 % total harmonic distortion.  
120 watts per channel into 8 ohms  
Load impedance . . . . . 8 ohms
- 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 TAPE/AUX)  
5 to 75,000 Hz, +0.2 dB, -2.0 dB  
Power amplifier section  
DC to 200,000 Hz, +0 dB, -3.0 dB
- <G-7700>  
Intermodulation distortion (70 Hz : 7 kHz = 4:1 SMPTE method) . . . . . less than 0.025 % at rated power output
- Frequency response (at 1 watt)  
Overall (from TAPE/AUX)  
5 to 75,000 Hz, +0.2 dB, -2.0 dB  
Power amplifier . . . DC to 200 kHz, +0 dB, -3.0 dB
- <G-5700>  
● Total harmonic distortion  
less than 0.03 % at or below rated min. RMS power output  
Rise time . . . . . 1.4 μsec  
Slew rate . . . . . 56 V/μsec
- <G-6700/G-7700>  
Total harmonic distortion  
less than 0.025 % at or below rated min. RMS power output  
Rise time . . . . . 1.4 μsec  
Slew rate . . . . . 60 V/μsec
- <G-5700/G-6700>  
● RIAA curve deviation (PHONO, 30 Hz to 15 kHz)  
+0.2 dB, -0.2 dB  
Damping factor (20 Hz to 20 kHz, both channels driven)  
50 into 8 ohms
- Input sensitivity and impedance (at 1 kHz)  
PHONO . . . . . 2.5 mV/47 kilohms  
(Max. input capability: 210 mV at 1 kHz, less than 0.1 % total harmonic distortion)  
MIC . . . . . 6 mV/10 kilohms  
TAPE-1, 2 PLAY, TAPE/AUX  
150 mV/47 kilohms
- Output level (at 1 kHz)  
TAPE-1, 2 REC . . . 150 mV
- Hum and noise (short-circuit, A-network)  
PHONO . . . . . 78 dB  
TAPE-1, 2 PLAY, TAPE/AUX  
95 dB
- Channel separation (at 1 kHz)  
PHONO . . . . . 55 dB  
TAPE-1, 2 PLAY, TAPE/AUX  
65 dB
- <G-7700>  
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)  
50 into 8 ohms
- Input sensitivity and impedance (at 1 kHz)  
PHONO-1, 2 . . . . . 2.5 mV/47 kilohms  
(Max. input capability: 250 mV at 1 kHz, less than 0.1 % total harmonic distortion)  
MIC . . . . . 6 mV/10 kilohms  
TAPE-1, 2 PLAY, TAPE/AUX  
150 mV/47 kilohms
- Output level (at 1 kHz)  
TAPE-1, 2 REC . . . 150 mV
- Hum and noise (short-circuit, A-network)  
PHONO-1, 2 . . . . . 78 dB  
TAPE-1, 2 PLAY, TAPE/AUX  
95 dB
- Channel separation (at 1 kHz)  
PHONO-1, 2 . . . . . 60 dB  
TAPE-1, 2 PLAY, TAPE/AUX  
65 dB

## Specifications

<G-5700>  
Controls  
BASS ..... ±10 dB at 50 Hz  
TREBLE ..... ±10 dB at 10 kHz  
SUBSONIC FILTER ..... -3 dB at 16 Hz (6 dB/oct)  
LOUDNESS (VOLUME control: -30 dB position) ..... 8 dB at 50 Hz  
6 dB at 10 kHz  
AUDIO MUTING ..... -20 dB

<G-6700/G-7700>  
Controls  
BASS ..... ±10 dB at 50 Hz  
TREBLE ..... ±10 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 (VOLUME control: -30 dB position) ..... 8 dB at 50 Hz  
6 dB at 10 kHz  
AUDIO MUTING ..... -20 dB

## FM section

<G-5700/G-6700>  
Tuning range ..... 88 to 108 MHz

Usable sensitivity  
Mono IHF ..... 10.8 dBf (1.9 μV)  
DIN ..... 1.2 μV

Stereo IHF ..... 18 dBf  
50 dB quieting sensitivity  
Mono ..... 15 dBf  
Stereo ..... 37 dBf

Signal to noise ratio (at 65 dBf)  
Mono ..... 75 dB  
Stereo ..... 70 dB

Distortion (at 65 dBf)  
Mono ..... less than 0.13 % at 100 Hz  
less than 0.1 % at 1,000 Hz  
less than 0.25 % at 6,000 Hz

Stereo ..... less than 0.25 % at 100 Hz  
less than 0.15 % at 1,000 Hz  
less than 0.25 % at 6,000 Hz

Alternate channel selectivity (at 400 kHz)  
Stereo ..... 50 dB  
Capture ratio ..... 1.0 dB  
Image response ratio ..... 50 to 1,600 kHz  
Usable sensitivity (bar antenna) ..... 50 dB/m (300 μV/m)

IF response ratio ..... 90 dB  
Stereo separation ..... 35 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

<G-7700>  
Tuning range ..... 88 to 108 MHz  
Usable sensitivity  
Mono IHF ..... 9.8 dBf (1.7 μV)  
DIN ..... 1.0 μV  
Stereo IHF ..... 17 dBf  
50 dB quieting sensitivity  
Mono ..... 14 dBf  
Stereo ..... 36 dBf  
Signal to noise ratio (at 65 dBf)  
Mono ..... 76 dB  
Stereo ..... 71 dB  
Distortion (at 65 dBf)  
Mono ..... less than 0.1 % at 100 Hz  
less than 0.1 % at 1,000 Hz  
less than 0.25 % at 6,000 Hz

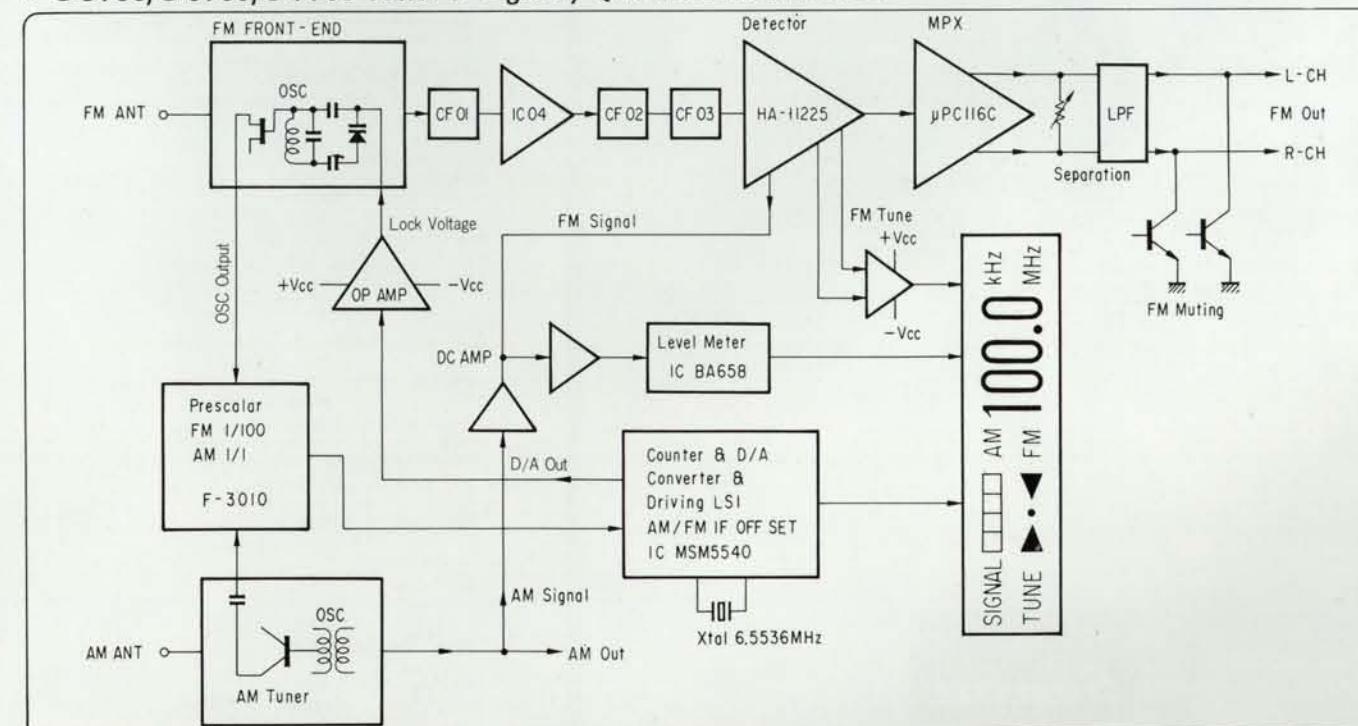
Alternate channel selectivity (at 400 kHz)  
Stereo ..... 70 dB  
Capture ratio ..... 1.0 dB  
Image response ratio ..... 70 dB  
Spurious response ratio ..... 90 dB  
IF response ratio ..... 95 dB  
Stereo separation ..... 35 dB at 100 Hz  
42 dB at 1,000 Hz  
30 dB at 10,000 Hz  
25 dB from 30 to 15,000 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  
<G-5700/G-6700/G-7700>  
Tuning range ..... 530 to 1,600 kHz  
Usable sensitivity (bar antenna) ..... 50 dB/m (300 μV/m)

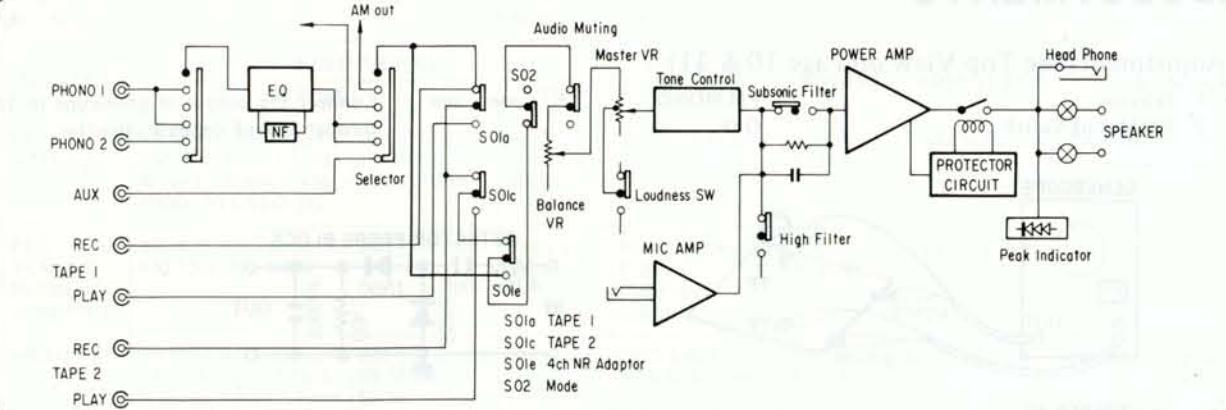
\* Design and specifications subject to changes without notice for improvements.

## 1. BLOCK DIAGRAM

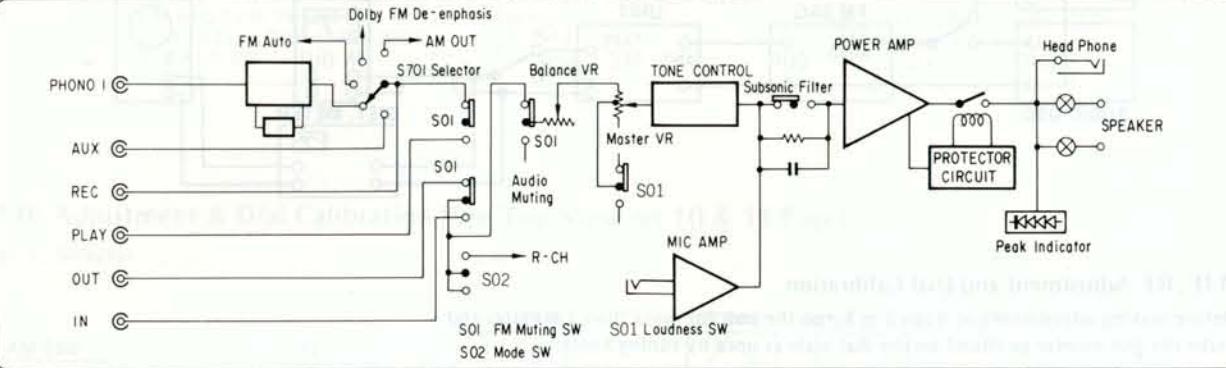
## • G-5700/G-6700/G-7700 Tuner &amp; Digitally Quartz Locked Section



## • G-6700/G-7700 Audio Section

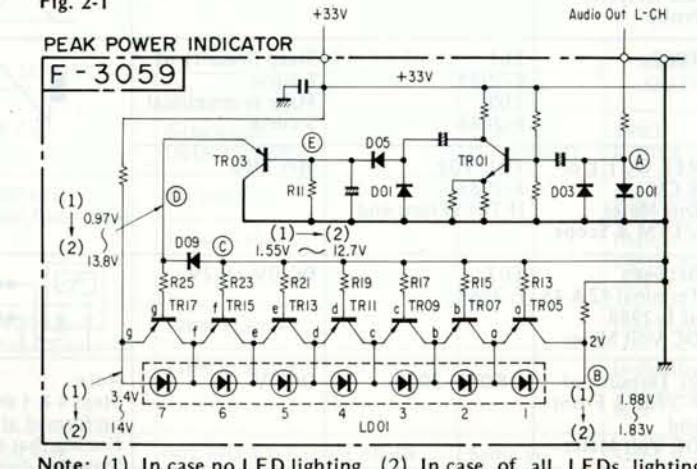


## • G-5700 Audio Section



## 2. OPERATION OF PEAK POWER INDICATOR

Fig. 2-1



Note: (1) In case no LED lighting (2) In case of all LEDs lighting

## 2-1. In case no LED lighting

- 1) TR17, R25, TR03 & R11 on F-3059 regarded as a series circuit and a voltage applied to the circuit. TR17 and TR03 are equivalent to diodes connected in forward direction that a current flows into this circuit as Fig. 2-2.
- 2) TR17 being ON, a voltage is applied to the TR15 emitter and a current flows into a circuit composed of TR17, TR15, R23, D09, TR03, and R11 as Fig. 2-3.
- 3) As the bias voltage added to TR03 is the lowest, during no input signal, the maximum current flows and turn on the transistors from TR17 to TR05.
- 4) When every transistor is ON, a currents flowing LEDs are limited that LEDs would not shine.

Fig. 2-2

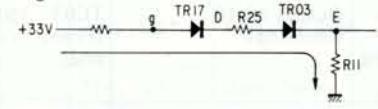
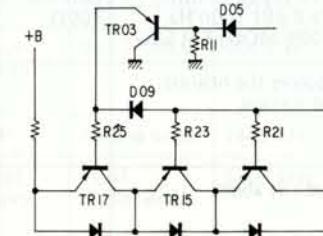


Fig. 2-3



## 2-2. In case only one LED lighting

- 1) If input signal of about 0.28V (0.01W) is applied from audio-out, this signal is fed to TR03 as a base bias voltage through TR17 and D05. This bias voltage rises to make the current flowing TR03 little when input voltage of point A is increased.
- 2) Input signal being 0.28V, transistors from TR17 to TR07 are ON and only TR05 turns OFF.
- 3) When TR05 becomes OFF, a current flows into LED of No. 1 and this LED starts lighting.

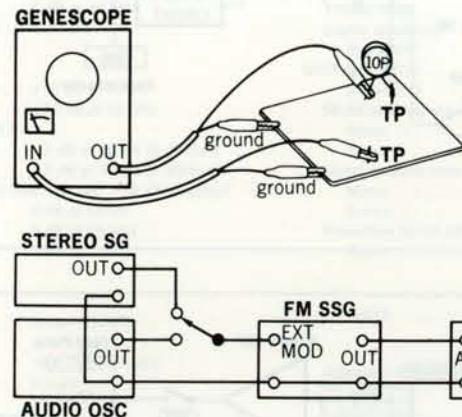
## 2-3. In case from two to seven LEDs lighting

In the same function as 2-2, transistors TR05, 07, 09 turn OFF successively and all LEDs start lighting. The LED at center is always lighting to be supplied a voltage.

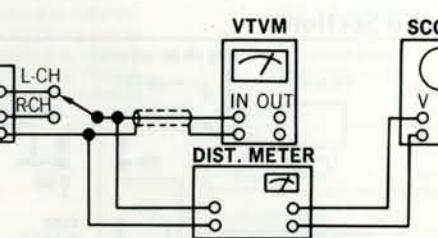
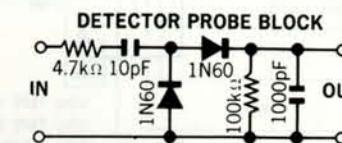
### 3. ADJUSTMENTS

#### 1. FM Adjustment (See Top View on Page 10 & 11)

Note: 1. Selector ..... FM MONO  
2. FM Muting Switch ..... OFF



3. Connection . . Connect the output of genescope to TP through 100 pF ceramic capacitor.



#### (1) FM IF, RF Adjustment and Dial Calibration

\* Before making adjustments of steps 2 ~ 5, run the unit for more than 2 minutes and make the dial pointer go round on the dial scale at once by tuning knob.

STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
		FROM	TO				
1.	IF Coil	Output 90 dB Genescope	TC03 (Front-end)	TP01 Use Detector Probe	T1 (Front-end)	Max. IF waveform	
2.	Discriminator Coil In case of using Genescope	Output 80 dB Genescope	TC03 (Front-end)	TP02	T01 F-2988 T02 F-2988	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 OUT L or R-CH Dist Meter VTVM & Scope	T01, T02 F-2988 IFT01 (Front-end)	Min THD	
3.	Tune Indicator Adj.	Receive the nearest FM station		Between Terminal 42 & 43 of F-2988 DC Volt Meter	T02 F-2988	DC 0V ±0.2V	
4.	AFC Voltage Adj.	Same as above		07 Terminal of F-2988 & Front-end DC Volt Meter	VR03 F-3000	DC 7V	Note: Steps 4 & 5 should be performed after confirming that the look indicator does not become luminous when shorting ground and collector of TR15 & base of TR17 on F-3000
5.	98 MHz Dial Calibration	No Input		Dial Pointer	Tuning knob	98 MHz	
		Same as above		Indicator of Display unit	TC06 (Front-end)	98 MHz	
6.	98 MHz RF Adj.	98 MHz ANT Input Minimum value with sine wave 1000 Hz (100% MOD) FM SSG	Same as above	<G-5700/6700> TC03, TC04 <G-7700> TC03, TC04, TC05 (Front-end)	Max. Output		
7.	Signal Indicator Volume	98 MHz ANT Input 65 dBf (59.8 dB) 1000 Hz (100% MOD) FM SSG	Same as above	VR01 F-3000	Make every 8 lamps lighting	SIGNALoooooooooooo	
		No ANT Input		VR01 F-3000	Make only one lamp lighting	SIGNAL□	

Note: Confirm the Dial Calibration on the frequencies of 90 MHz & 106 MHz in step 5.

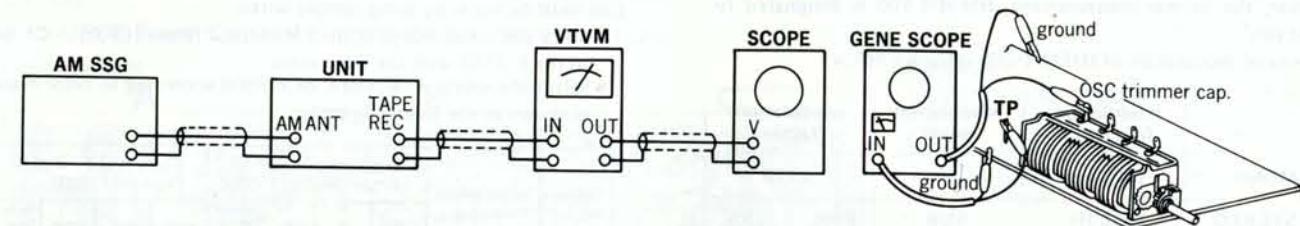
#### (2) FM STEREO Adjustment

Note: Selector ..... FM AUTO

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) R (or L) Mode 1 kHz + Pilot (100% MOD) STEREO SG	ANT terminal 300Ω	Stereo indicator	VR03 F-2988	Light indicator	Adjust the VR within center of lighting level.
	PLL VCO Adj. In case of using Freq.	98 MHz ANT Input 65 dBf (59.8 dB) FM SSG (No MOD)	Same as above	No. 18 terminal F-2988 Use Freq. counter	VR03 F-2988	19 kHz ±50 Hz	
2.	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	OUT L-CH VTVM & Scope	VR02 F-2988	OUT -40 dB	Confirm separation L-CH → R-CH (-40 dB)
3.	Muting level	98 MHz ANT Input 15 dBf (9.8 dB) FM SSG Pilot 19 kHz (9% MOD) SUB 1 kHz + Pilot (100% MOD) STEREO SG	Same as above	Stereo indicator	VR01 F-2988	Muting level 15 dBf (9.8 dB) indicator turns ON	FM MUTING Switch ON

#### 2. AM IF Adjustment & Dial Calibration (See Top View on 10 & 11 Page)

Note: 1. Selector ..... AM



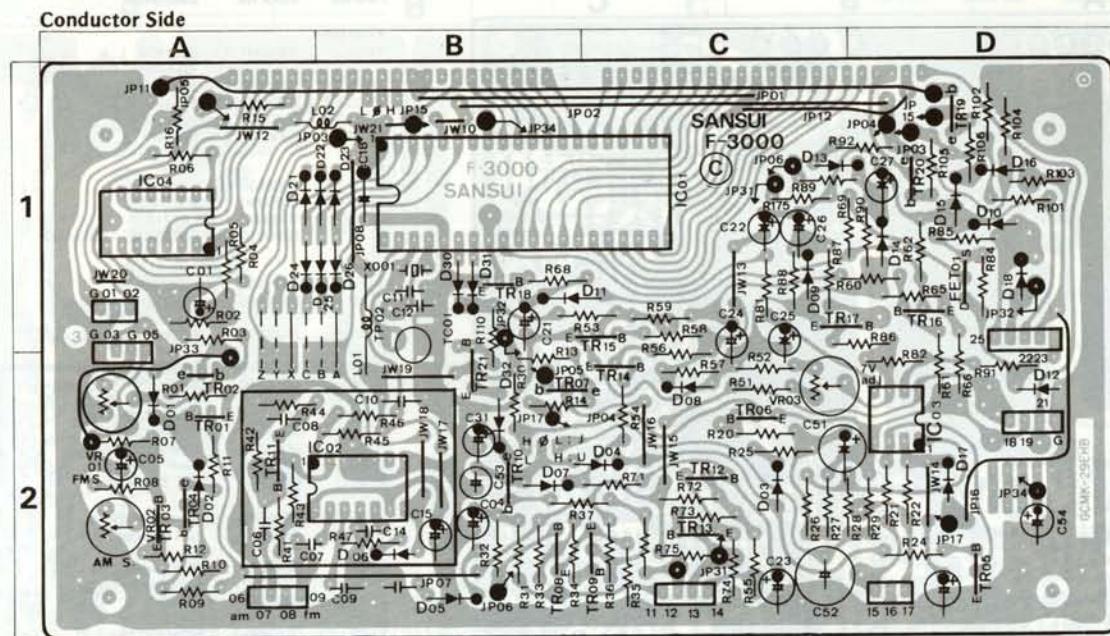
STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
		FROM	TO				
1.	IF Coil	Genescope Output 70 dB	TC01 (Front-end)	TP03 F-2988	T04, T05 F-2988	Max. Output	
2.	600 kHz Dial Calibration	No Input		Dial Pointer	Tuning knob	600 kHz	
		Same as above			T03 F-2988	600 kHz	
3.	1400 kHz Dial Calibration	Same as above		Dial Pointer	Tuning knob	1400 kHz	
		Same as above			TC01 (Front-end)	1400 kHz	
4.	600 kHz RF Adj.	600 kHz ANT Input 50 dB 400 Hz (MOD 30%) AM SSG	Same as above	Same as above	Bar Antenna L701	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	TC02 (Front-end)	Same as above	
5.	Signal Meter volume	1000 kHz ANT Input 80 dB 400 Hz (MOD 30%) AM SSG	Same as above	Signal indicator lamp	VR02 F-3000	Make every 8 lamps lighting	
		No Input	Same as above	Same as above	VR02 F-3000	Make only one lamp lighting	
5.	9 kHz Notch filter Adj.	9 kHz 5 mV OSC	TP03 F-2988	OUT L or R-CH VTVM & Scope	T06 F-2988	Min. Output	





## • G-5700/G-6700/G-7700

### 4-8. F-3000 Digitally Display Circuit Board (Stock No. 7597971)



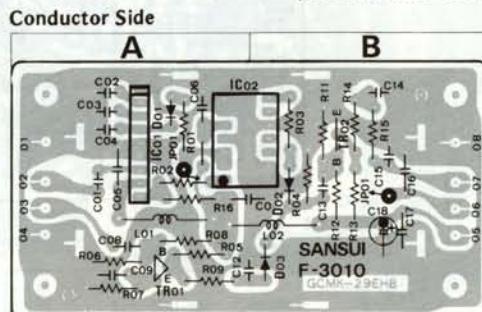
#### Parts List

Parts No.	Stock No.	Description	Position	Parts No.	Stock No.	Description	Position	Parts No.	Stock No.	Description	Position
<b>• Transistor</b>											
TR01	0305951 ~ 3	2SC945 Q, P, K	2A	TR19	0300510 ~ 2	2SA733A P, Q, R	1D	D 23	0311160	1S2473D	1B
TR02	0300510 ~ 2	2SA733A P, Q, R	2A	TR20	0300510 ~ 2	2SA733A P, Q, R	1D	D 26	0311160	1S2473D	1B
TR03	0305951 ~ 3	2SC945 Q, P, K	2A	TR21	0305951 ~ 3	2SC945 Q, P, K	2B	D 30	0311160	1S2473D	1B
TR04	0300510 ~ 2	2SA733A P, Q, R	2A	● IC	IC 01	0360910	MSM5540RS	C 11	0669508	8pF 50V C.C.	1B
TR05	0305951 ~ 3	2SC945 Q, P, K	2D	IC 03	0360770	NJM4558D	2D	C 12	0661220	22pF 50V C.C.	1B
TR06	0305951 ~ 3	2SC945 Q, P, K	2C	IC 04	0360830	BA658	1A	L 01	4290011	3.5μH Choke Coil	1B
TR07	0300510 ~ 2	2SA733A P, Q, R	2B	● FET	FET01	0370300 ~ 3	2SK117 O, Y, GR, BL	VR01	1035130	10kΩB, FM Meter Adjust	2A
TR08	0305951 ~ 3	2SC945 Q, P, K	2B		0370340 ~ 7	2SK163 K1, K2, L1, L2, M1, M2, N1, N2	VR02	1035190	100kΩB, Meter Adjust	2A	
TR09	0305951 ~ 3	2SC945 Q, P, K	2C	● Diode	D 02 ~ 10	0311160	1S2473D	VR03	1035110	4.7kΩB, AFC Bias Adjust	2C
TR10	0300510 ~ 2	2SA733A P, Q, R	2B	D 11 ~ 18	0311160	1S2473D	TC 01	1230150	30pF Trimmer Capacitor	1B	
TR12	0305951 ~ 3	2SC945 Q, P, K	2C				XO01	0930040	Xtal, 6.5536 MHz	1B	
TR13	0305951 ~ 3	2SC945 Q, P, K	2C								
TR14	0305951 ~ 3	2SC945 Q, P, K	2C								
TR15	0305951 ~ 3	2SC945 Q, P, K	1C								
TR16	0305951 ~ 3	2SC945 Q, P, K	1D								
TR17	0305951 ~ 3	2SC945 Q, P, K	1C								
TR18	0305951 ~ 3	2SC945 Q, P, K	1B								

## • G-5700/G-6700/G-7700

### 4-9. F-3010 Pre Scaler Circuit Board

(Stock No. 7597981)



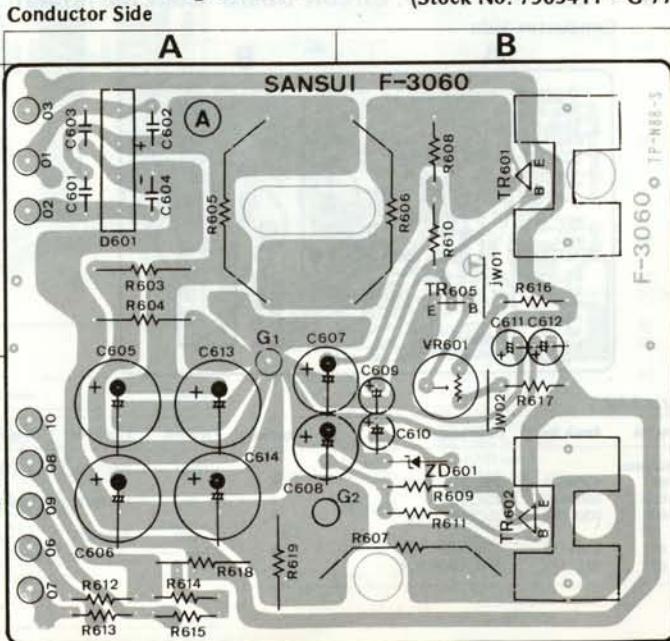
#### Parts List

Parts No.	Stock No.	Description	Position
<b>• Transistor</b>			
TR01	0306341, 2	2SC1674 L, K	A
TR02	0306341, 2	2SC1674 L, K	B
<b>• IC</b>			
IC 01	0361130	AN6821	A
IC 02	0361120	SN74LS90N	A
<b>• Diode</b>			
D 01	0311160	1S2473D	A
D 02	0311160	1S2473D	B
D 03	0311160	1S2473D	B
L 01	4290011	3.5μH Choke Coil	A
L 02	4290011	3.5μH Choke Coil	B

## 4-10. F-3060 Power Supply Circuit Board for Digital Circuit (Stock No. 7503461 = G-5700)

(Stock No. 7503901 = G-6700)

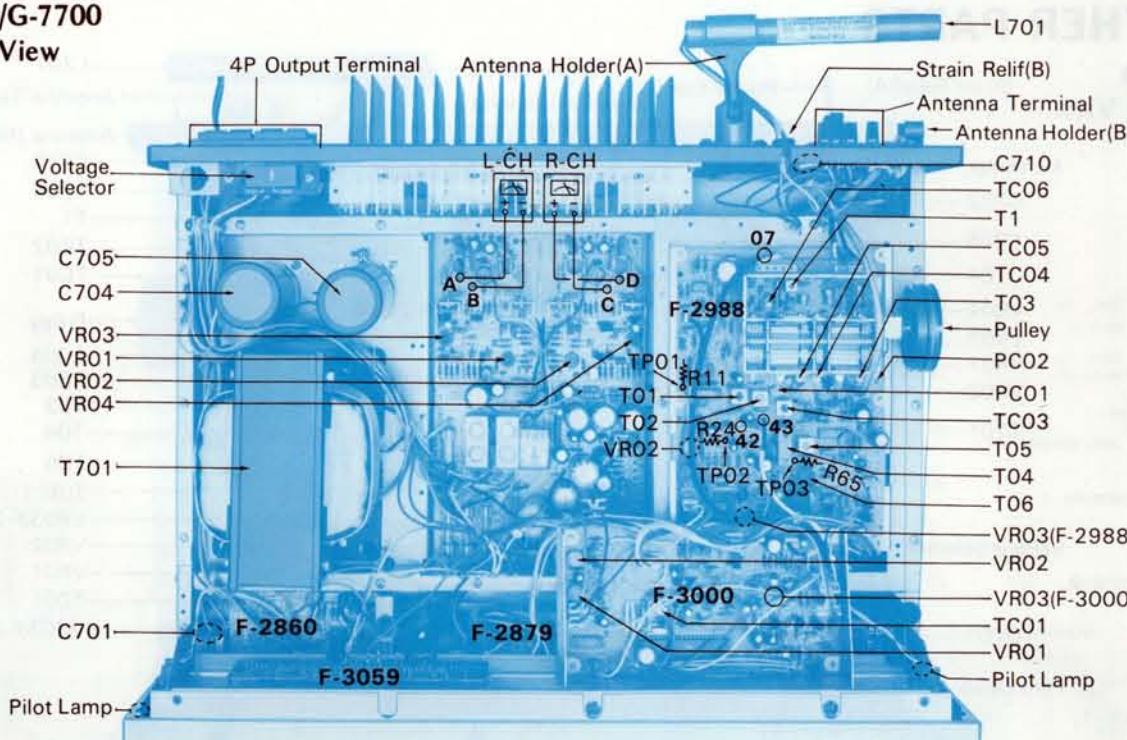
(Stock No. 7503411 = G-7700)



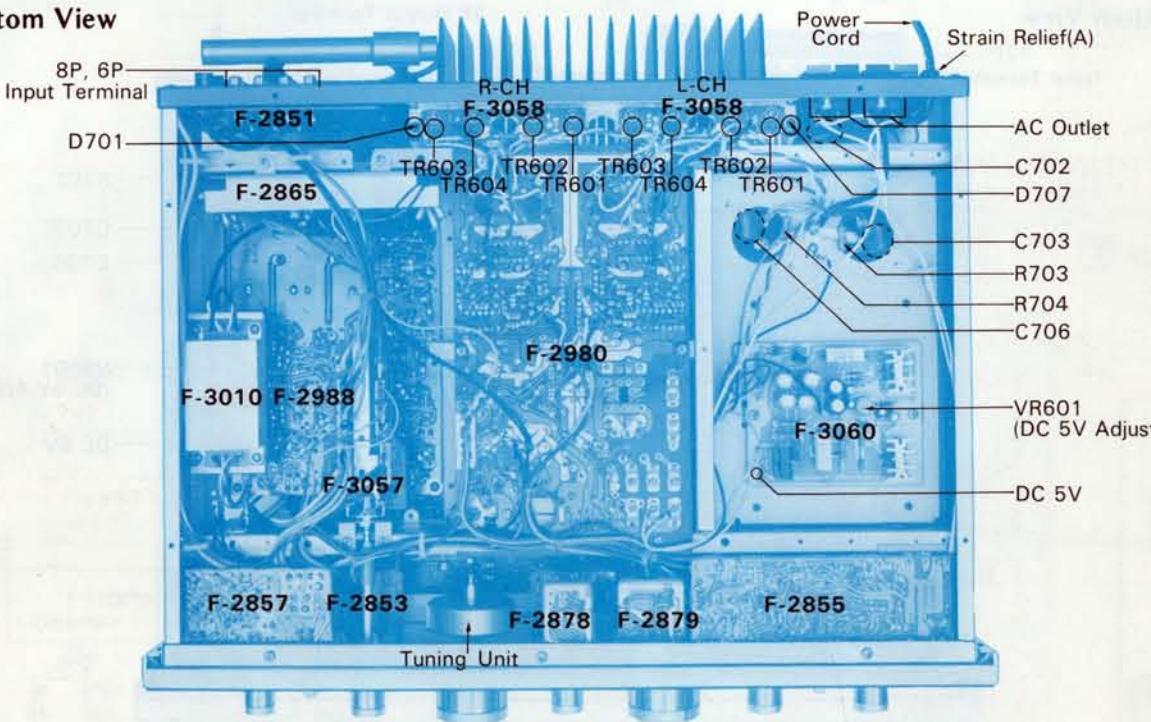


● G-6700/G-7700

5-3. Top View



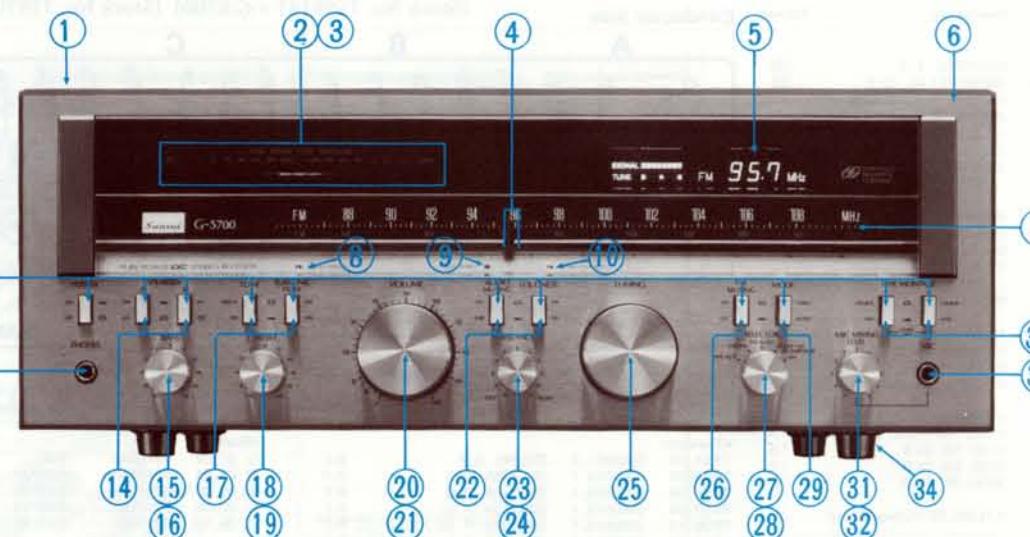
5-4. Bottom View



Parts List <Top & Bottom View>

Parts No.	Stock No.	Description	Parts No.	Stock No.	Description	Parts No.	Stock No.	Description
●Power Transistor			C 704, 705	0559852	10000F 80V E.C. <G-7700 only>	2210310	Antenna Terminal	
TR601	0306810, 1	2SC2581NLB-O, Y	C 705	0559849	10000F 71V E.C. <G-6700 only>	2290190	4P Output Terminal	
TR602	0301140, 1	2SA1106NLB-O, Y	C 706	0602109	1μF 100V M.C.	2410091	6P Voltage Selector, plug	
TR603	0306810, 1	2SC2581NLB-O, Y	C 710	0620682	6800pF 50V P.C.	2410830	10P Voltage Selector, socket	
TR604	0301140, 1	2SA1106NLB-O, Y	R 703	0202392	3.9kΩ 2W N.I.R.	6146800	AC Outlet	
●Varistor			R 704	0202392	3.9kΩ 2W N.I.R.	6146800	Pulley	
D 701	0340161, 2	STV-3H Y, G	L 701	4201010	Bar Antenna	5286450	Bar Antenna Holder (A)	
D 702	0340161, 2	STV-3H Y, G	T 701	4003320	Power Transformer <G-6700 only>	5286480	Bar Antenna Holder (B)	
C 701	0605337	0.033μF 350V M.C.	T 701	4003090	Power Transformer <G-7700 only>	3910490	Strain Relief (A)	
C 702	0659802	0.0047μF 150V C.C.		0400710	Pilot Lamp 8V 300 mA	3910600	Strain Relief (B)	
C 703	0602109	1μF 100V M.C.		3800470, 1	Power Cord	2200480	8P Input Terminal	
						2200530	6P Input Terminal	

5-5. Front View <G-5700>



5-6. Front View <G-6700/G-7700>

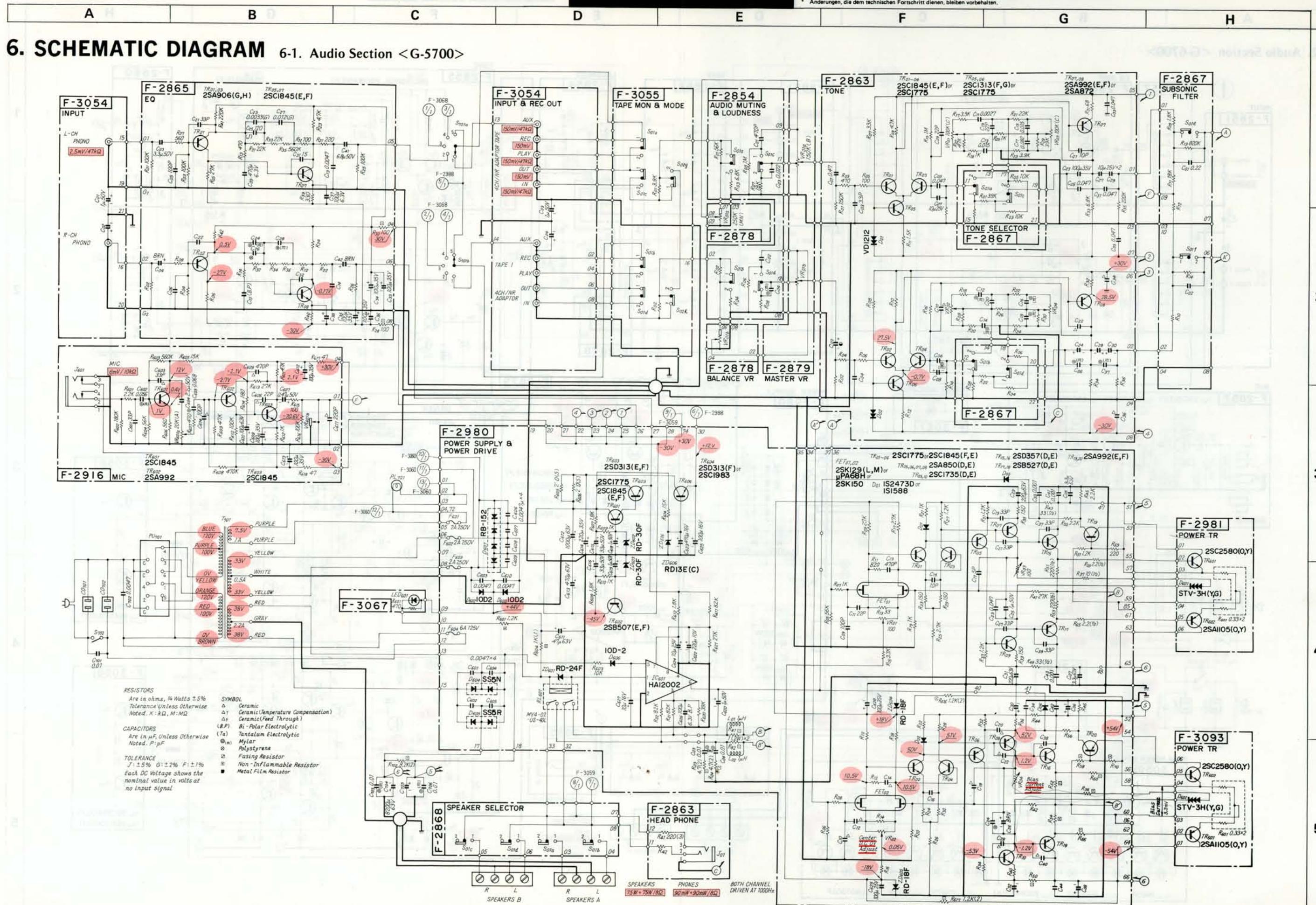


Parts List (Front View) <G-5700>

Parts No.	Stock No.	Description	Parts No.	Stock No.	Description	Parts No.	Stock No.	Description
1	5727162	Wood Bonnet	9	0319060	Indicator, FM stereo (red)	22	1131560, 1	Audio Muting & Loudness Switch
2	5446470	Smoked Plate	10	0319050	Indicator, quartz locked (green)	23	5319460	Knob, balance volume
3	5426521	LED Guide Plate	11	5319470	Push Switch Knob	24	1015340, 1	Balance Volume, 250kΩ x 2 MN
4	7116101	Dial Pointer	12	1131890	Power Switch	25	5319410	Knob, tuning
5	0030060	Display Unit	13	2430400	Head Phone Jack	26	1131560, 1	FM Muting Switch
6	7008430	Front Panel Ass'y	14	1131580, 1	Speakers Switch	27	5319470	Knob, selector
	5048430	Masking Plate	15	5319470	Knob, bass volume	28	1103600, 1	Selecto
	5396780	Knob Guide	16	1015360, 1	Bass Volume, 100kΩ x 2	29	1131590, 1	MODE Switch
	5408311	Front Glass	17	1131570, 1	Tone & Subsonic Filter SW	30	1131560, 1	FM Muting Switch
	5457620	Dial Flame	18	5319470	Knob, treble volume	31	5319460	Knob, mic level volume
	5517270	Masking Sheet	19	1015360, 1	Treble Volume, 100kΩ x 2	32	1090340, 1	Mic Level Volume, 20kΩ x 2
7	5408720	Dial Glass	20	5319420	Knob, master volume	33	2430400	Mic Jack
8	0319050	Indicator, safety operate (green)	21	1011160, 1	Master Volume, 150kΩ x 2B	34	5516821	Leg

Parts List (Front View) <G-6700/G-7700>

Parts No.	Stock No.	Description	Parts No.	Stock No.	Description	Parts No.	Stock No.	Description
1	5727172	Wood Bonnet	8	0319050	Indicator, safety operate (green)	22	1011160, 1	Master Volume, 150kΩ x 2B
2	5446470	Smoked Plate	9	0319060	Indicator, FM stereo (red)	23	1131560, 1	Audio Muting & Loudness Switch
3	5426521	LED Guide Plate	10	0319050	Indicator, quartz locked (green)	24	5319460	Knob, balance volume
4	7116101	Dial Pointer	11	5319491	Push Switch Knob	25	1015340, 1	Balance Volume, 250kΩ x 2 MN
5	0030060	Display Unit	12	1131890	Power Switch	26	5319410	Knob, tuning
6	7008630	Front Panel Ass'y <G-6700 only>	13	2430400	Head Phone Jack	27	1131600, 1	FM Muting & Mode Switch
	5048410	Front Panel Ass'y <G-7700 only>	14	1131580, 1	Speaker Switch	28	5319470	Knob, selector
	5396781	Knob Guide	15	5319470	Knob, bass volume	29	1190710	Selecto
	5408700	Front Glass	16	1015360, 1	Bass Volume, 100kΩ x 2	30	1131620, 1	Dolby FM Switch
	5457620	Dial Flame	17	1131630, 1	Tone Switch	31	1131610, 1	Tape Monitor & Source Monitor Switch
	5517270	Masking Sheet	18	1131560, 1	Filters Switch	32	5319460	Knob, mic level volume
7	5408710	Dial Glass <G-7700 only>	19	5319470	Knob, treble volume	33	1090340, 1	Mic Level Volume, 20kΩ x 2
			20	1015360, 1	Treble Volume, 100kΩ x 2	34	2430400	Mic Jack
			21	5319420	Knob, master volume	35	5516821	Leg



A

B

C

D

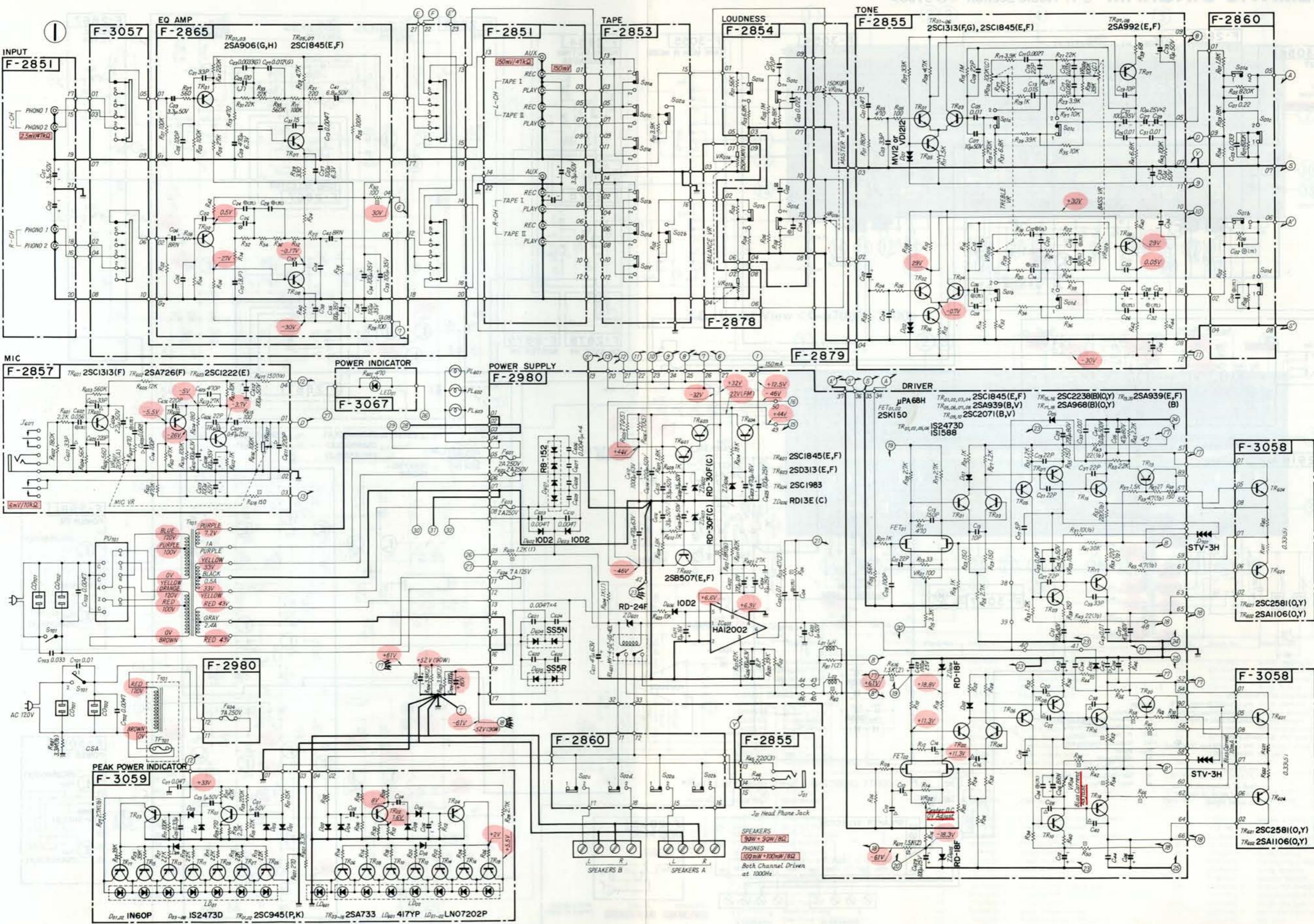
E

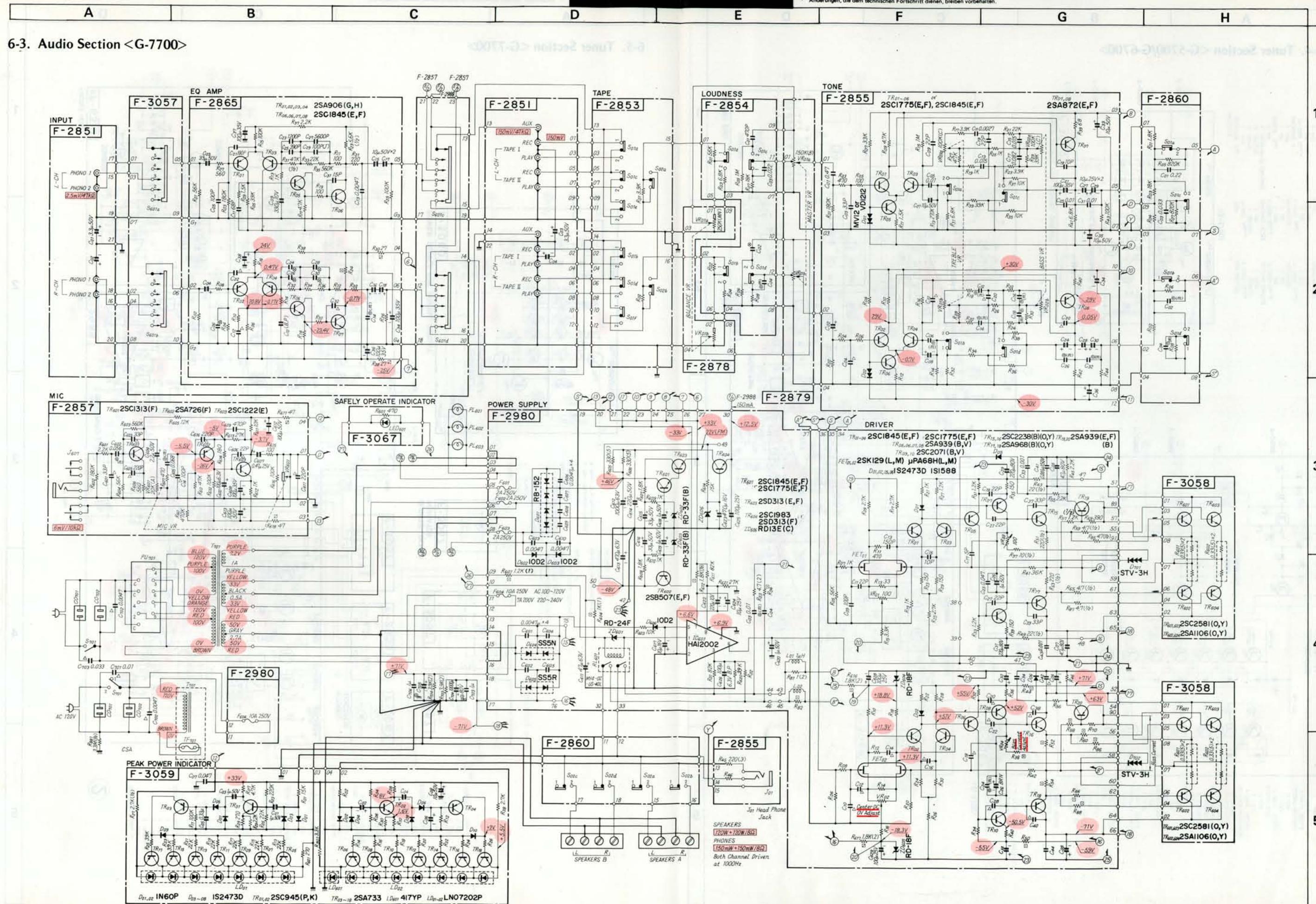
F

G

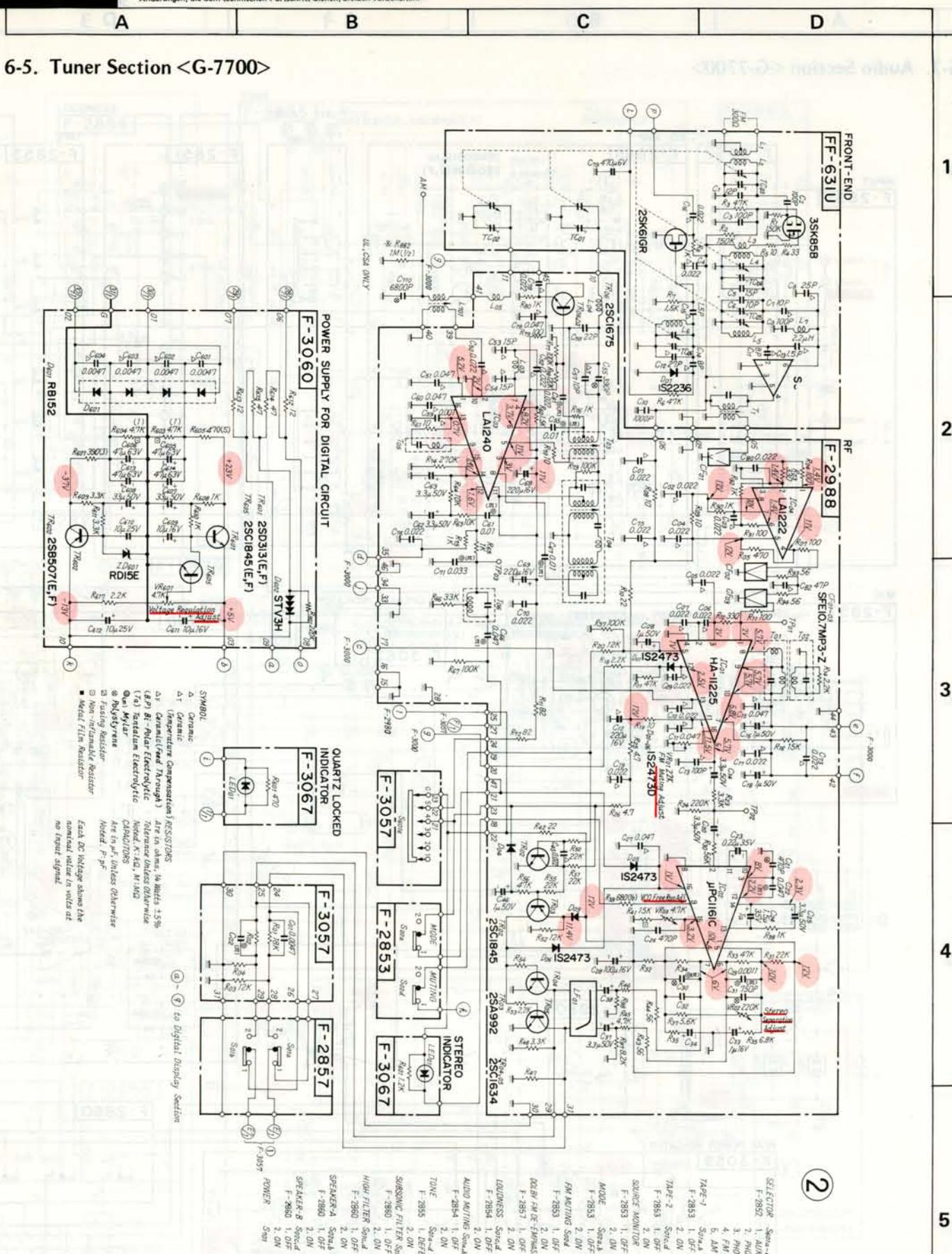
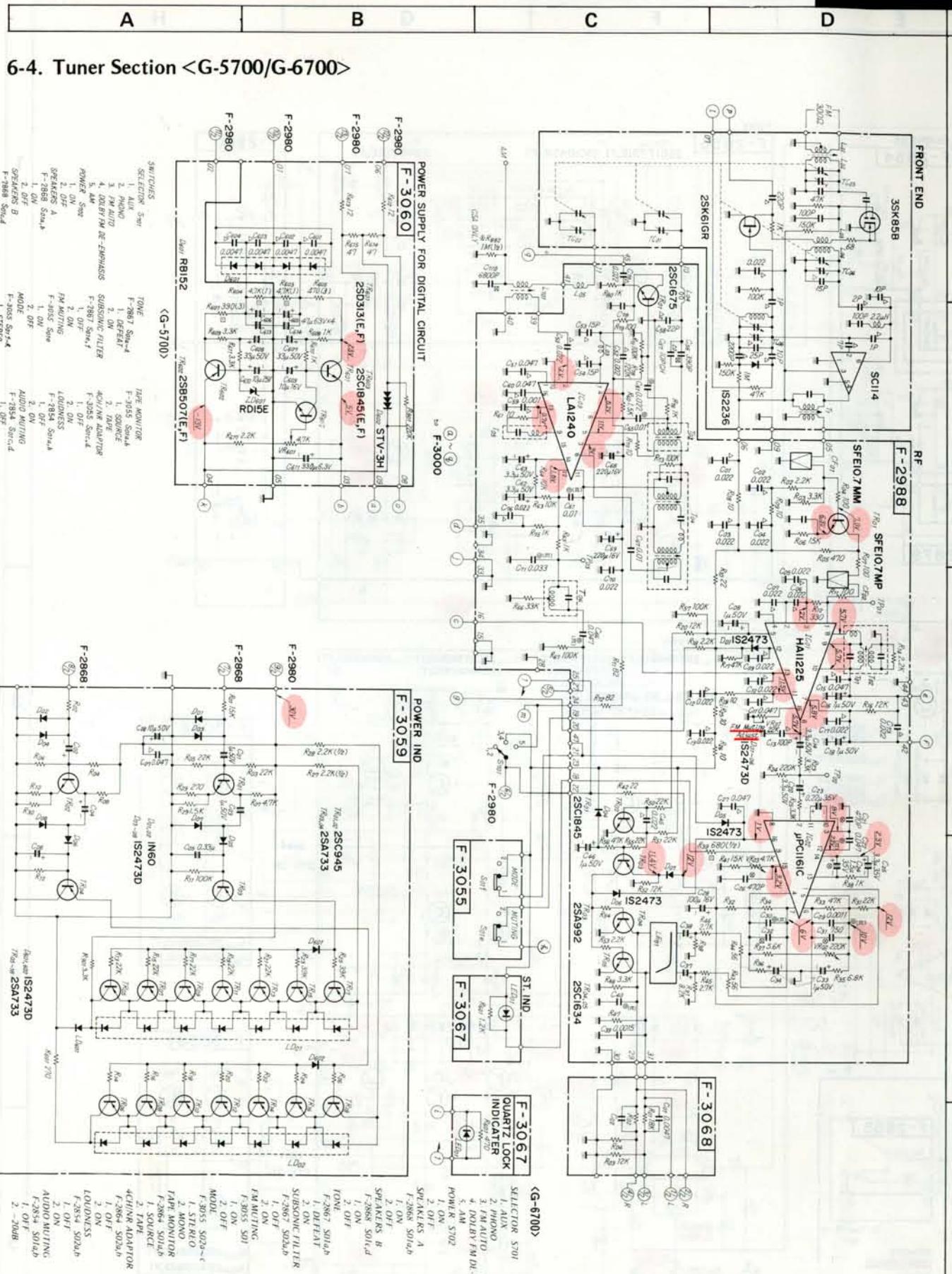
H

## 6-2. Audio Section &lt;G-6700&gt;





• 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.



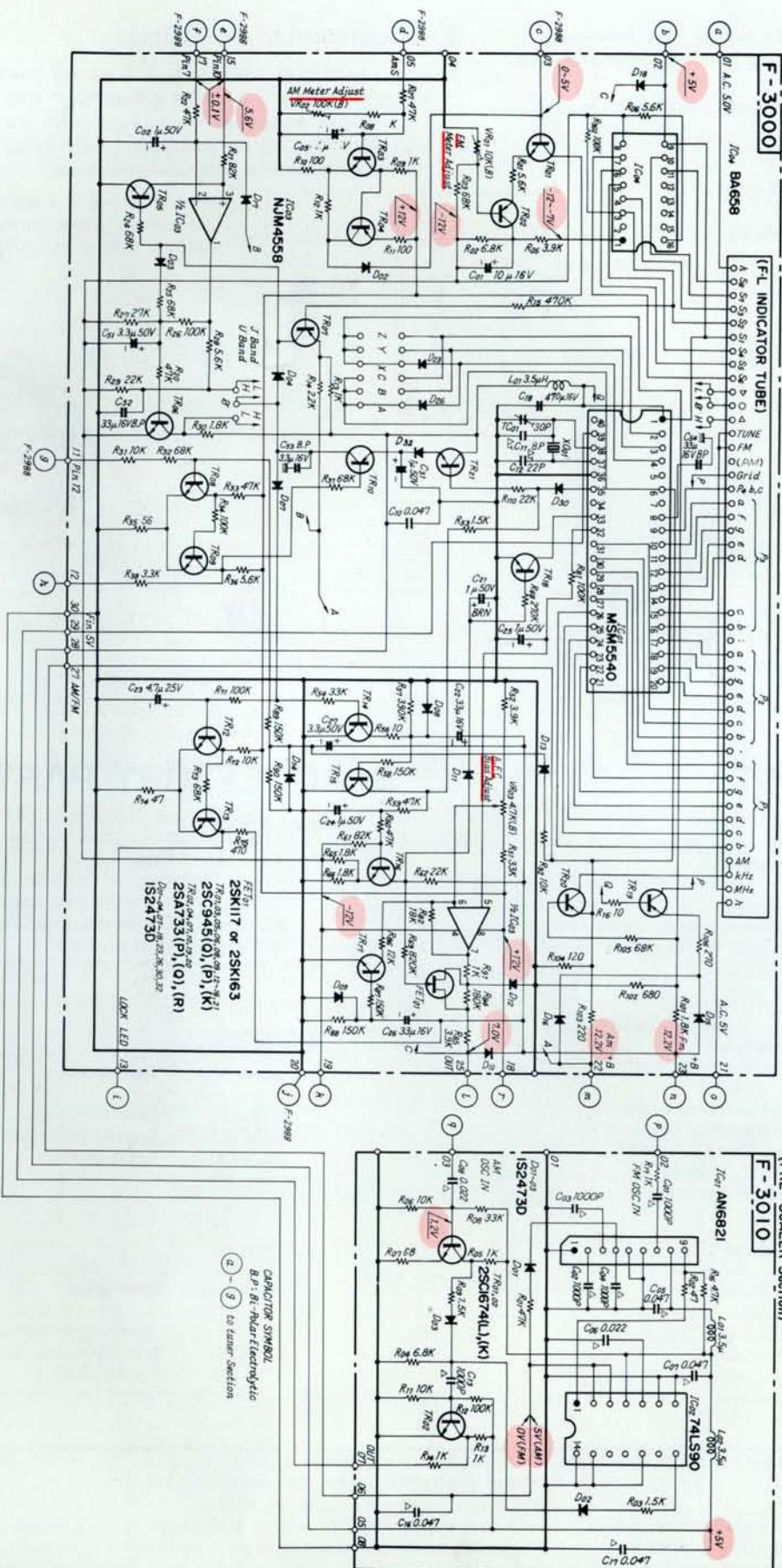
A

B

C

D

## 6-6. Digital Display Section <G-5700/G-6700/G-7700>



1

2

3

4

5

CORRECTION OF SERVICE MANUAL FOR MODELS G-5700/G-6700/G-7700

The following are corrections for the bias current adjustment in the Service Manual of the Models G-5700/G-6700/G-7700 appearing on Page 5. Please adjust the bias current by following the directions below and refer to the circuit diagram carefully.

1. G-5700

L-CH: Adjust VR-03 to get voltage as follows:

3.3mV: between both leads of the emitter resistor for the power transistor (TR-601)      3.3mV

3W 0.33 ohm

R-CH: Adjust VR-04 to get voltage as follows:

3.3mV: between leads of the emitter resistor for power transistor (TR-602)

3.3mV  
3W 0.33 ohm

2. G-6700

L-CH: Adjust VR-03 to get voltage as follows:

3.3mV: between both leads of the emitter resistor for power transistor (TR-604)      3.3mV

5W 0.33 ohm

R-CH: Adjust VR-04 to get voltage as follows:

3.3mV: between both leads of the emitter resistor for power transistor (TR-601)

3.3mV  
5W 0.33 ohm

3. G-7700

L-CH: Adjust VR-03 to get voltage as follows:

3.3mV: between both leads of the emitter resistor for power transistor (TR-601)      3.3mV

5W 0.33 ohm

R-CH: Adjust VR-04 to get voltage as follows:

3.3mV: between both leads of the emitter resistor for power transistor

3.3mV  
5W 0.33 ohm

## 7. THREADING OF DIAL CORD

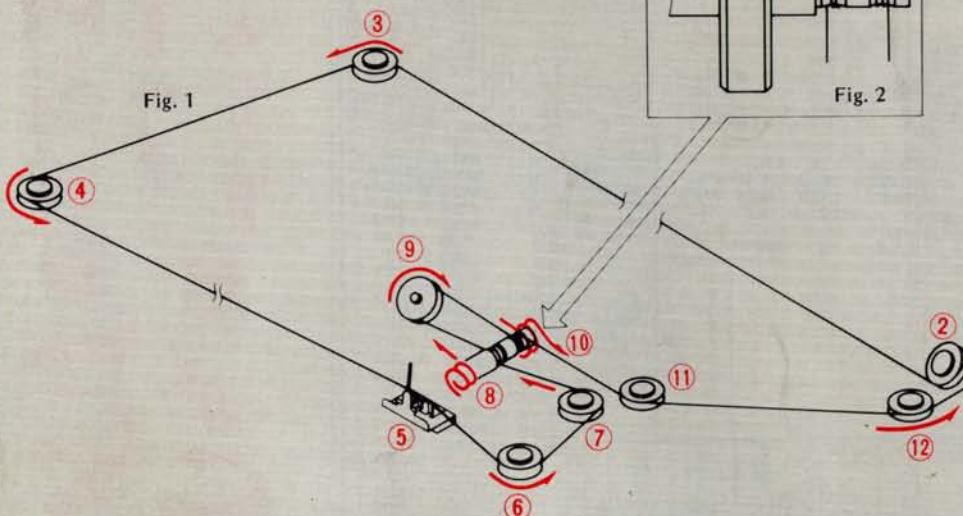
- If a dial cord is cut off or slips, replace it by following procedures. As this unit uses 0.5 mm $\phi$  cord, please replace it with the same type certainly.
- The length of dial cord is approximately 200 cm (78.7 inch).

### 1. Threading of Dial Cord

Thread the dial cord in numerical order from 1 to 17 as Fig. 1.

- Open the variable capacitor completely.

\* Dial Cord (0.5 mm $\phi$ ) . . . . . (Stock No. 6036050)



## 8. PACKING LIST

### • G-5700

Parts No.	Stock No.	Description
1	9116790	Vinyl Cover
2	9028141	Styrofoam Packing, upper
3	9028151	Styrofoam Packing, lower
4	9001951	Carton Case

### • G-6700

Parts No.	Stock No.	Description
1	9116810	Vinyl Cover
2	9028260	Styrofoam Packing, upper
3	9028270	Styrofoam Packing, lower
4	{ 9056350 9001931 }	Carton Case <G-6700> Carton Case <G-7700>

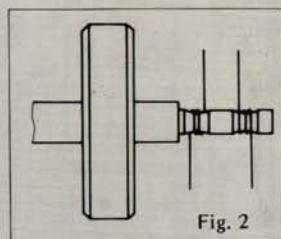
### • G-7700

Parts No.	Stock No.	Description
1	9116810	Vinyl Cover
2	9028260	Styrofoam Packing, upper
3	9028270	Styrofoam Packing, lower
4	{ 9001931 9056350 }	Carton Case <G-7700> Carton Case <G-6700>

### 2. Attachment of Dial Pointer

- After installing the dial string, turn on the power switch. If the digital display is in the "FM Reception" state as shown in Fig. 8-2, turn the tuning knob until the digital display indicates 98.0 MHz. Then, fix the pointer to the dial string, after setting the pointer to the 98.0 MHz value of the scale.

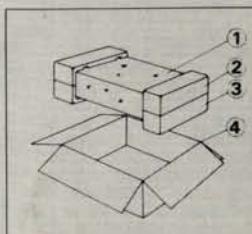
- After attaching Dial pointer, confirm Dial pointer moves from 88 MHz to 108 MHz to turn the tuning knob.



## 9. ACCESSORY PARTS LIST

### • G-5700

Stock No.	Description
9205030	Operating Instructions
9238340	Schematic Diagram
3820100	FM Antenna



### • G-6700

Stock No.	Description
9205620	Operating Instructions
9238470	Schematic Diagram
3820100	FM Antenna

### • G-7700

Stock No.	Description
9205020	Operating Instructions
9238220	Schematic Diagram
3820100	FM Antenna

SANSUI ELECTRONICS CORPORATION: 1250 Valley Brook Ave. Lyndhurst, N.J. 07071 U.S.A.

333 West Alondra Blvd. Gardena, California 90247 U.S.A.

3036 Koapaka St. Honolulu, Hawaii 96819 U.S.A.

North Trade Bldg (9th floor) Noorderlaan 133-Bus 1,2030 Antwerp, Belgium

Arabella center, 6 Frankfurt AM Main, Lyoner Strasse 44-48, West Germany

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

**Sansui**