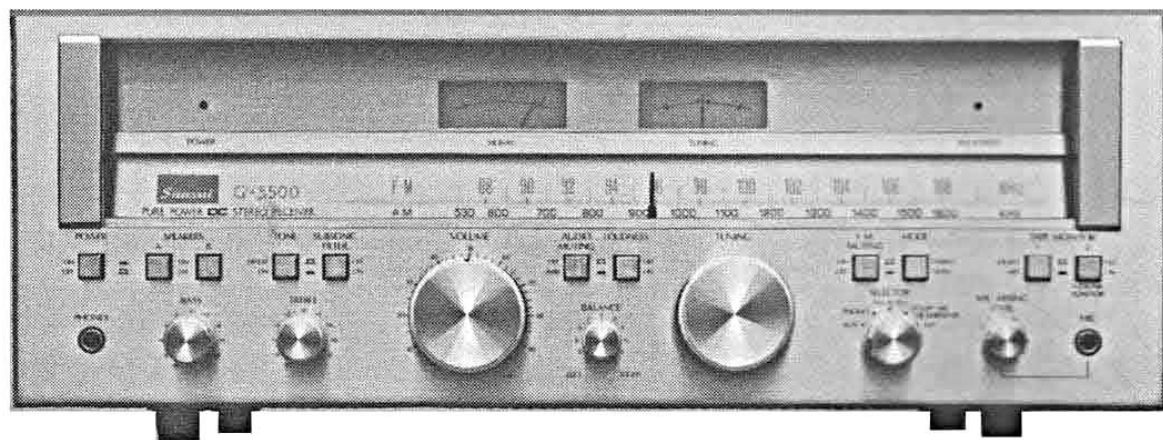


SERVICE MANUAL

PURE POWER DC STEREO RECEIVER

SANSUI G-5500



Sansui

SANSUI ELECTRIC CO., LTD.

SPECIFICATIONS

Audio section

Power output

Min. RMS, both channels driven, from 20 to 20,000 Hz with no more than 0.03 % total harmonic distortion.

60 watts per channel into 8 ohms

Load impedance 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 or below rated min. RMS power output

Frequency response (at 1 watt)

Overall (from AUX) . 5 to 50 kHz +0.2 dB, -2.0 dB

Power amplifier section

. DC to 200,000 Hz, +0 dB, -3.0 dB

Rise time 1.4 μ sec

Slew rate 56 V/ μ sec

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 2.5 mV/47 kilohms

(Max. input capability: 220 mV at 1 kHz, less than 0.1% 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

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

PHONO 78 dB

TAPE-1, 2 PLAY, AUX

. 95 dB

Channel separation (at 1 kHz)

PHONO 55 dB

TAPE-1, 2 PLAY, AUX

. 65 dB

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

FM section

Tuning range 88 to 108 MHz

Usable sensitivity

Mono IHF 10.8 dBf (1.9 μ V)

DIN 1.1 μ V

Stereo IHF 18 dBf

50 dB quieting sensitivity

Mono 15 dBf

Stereo 37 dBf

Signal to noise ratio (at 65 dBf)

Mono 72 dB

Stereo 68 dB

Distortion (at 65 dBf)

Mono less than 0.15 % at 100 Hz

. less than 0.13 % at 1,000 Hz

. less than 0.25 % at 6,000 Hz

Stereo less than 0.25 % at 100 Hz

. less than 0.18 % at 1,000 Hz

. less than 0.25 % at 6,000 Hz

Alternate channel selectivity (at 400 kHz)

. 70 dB

Capture ratio 1.0 dB

Image response ratio . . 50 dB

Spurious response ratio . 80 dB

IF response ratio 75 dB

Stereo separation 35 dB at 100 Hz

. 40 dB at 1,000 Hz

. 28 dB at 10,000 Hz

. 20 dB from 30 to 15,000 Hz

Frequency response . . . 30 to 15,000 Hz

. +0.2 dB, -1.0 dB

Antenna input impedance

. 300 ohms balanced

. 75 ohms unbalanced

to be continued

Specifications

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 . . . 48 dB
 Distortion (at 30 % Modulation, 80 dB/m)
 less than 0.5 %

Others

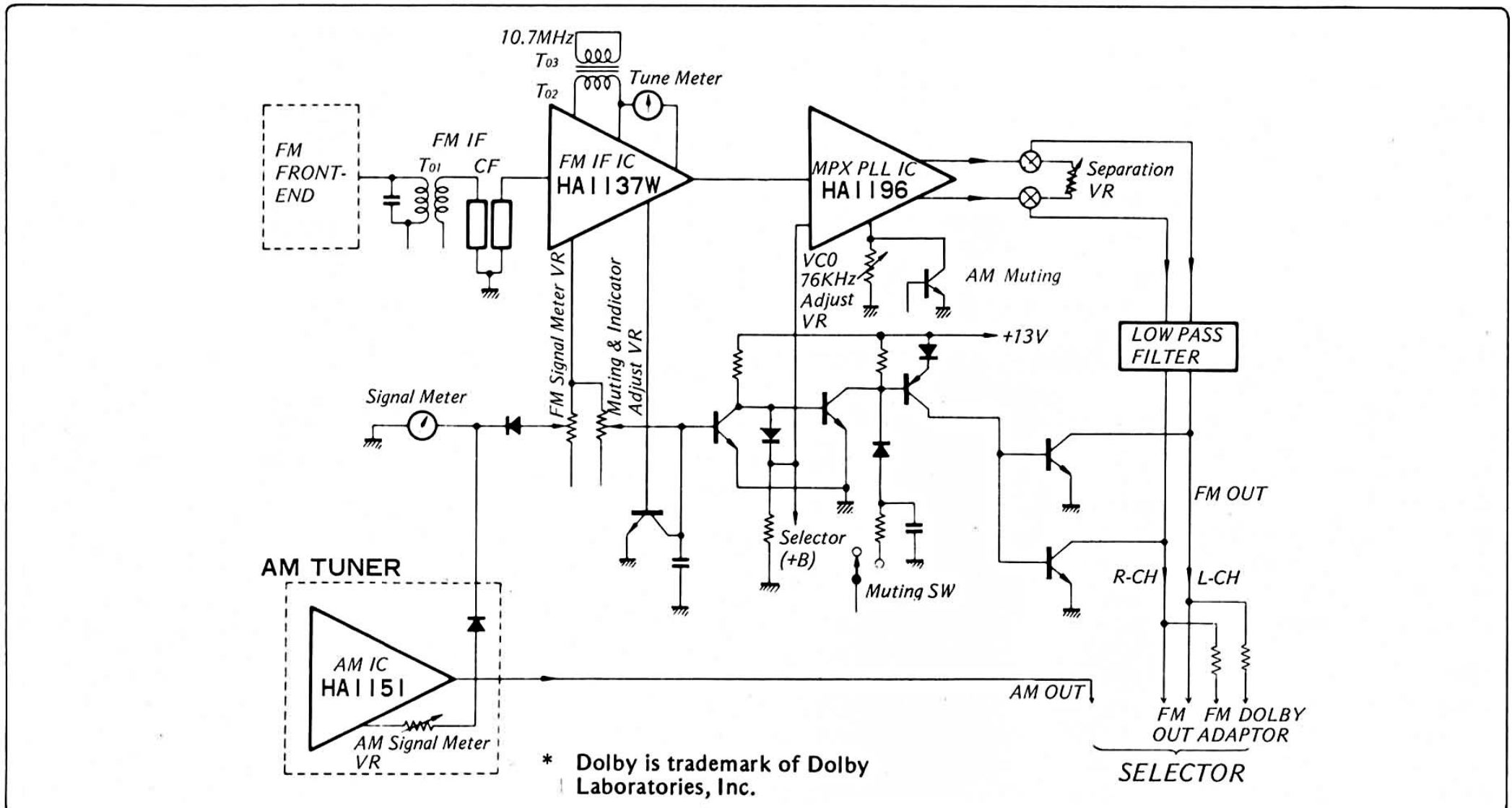
Power requirements
 Power voltage 100, 120, 220, 240 V (50/60 Hz)
 For U.S.A. and Canada
 120 V (60 Hz)
 Power consumption
 Rated consumption 200 watts 240 VA

Dimensions 464 mm (18-5/16") W
 181 mm (7-3/16") H
 408 mm (16-1/8") D
 Weight 12.8 kg (28.2 lbs) net
 15.0 kg (33.1 lbs) packed

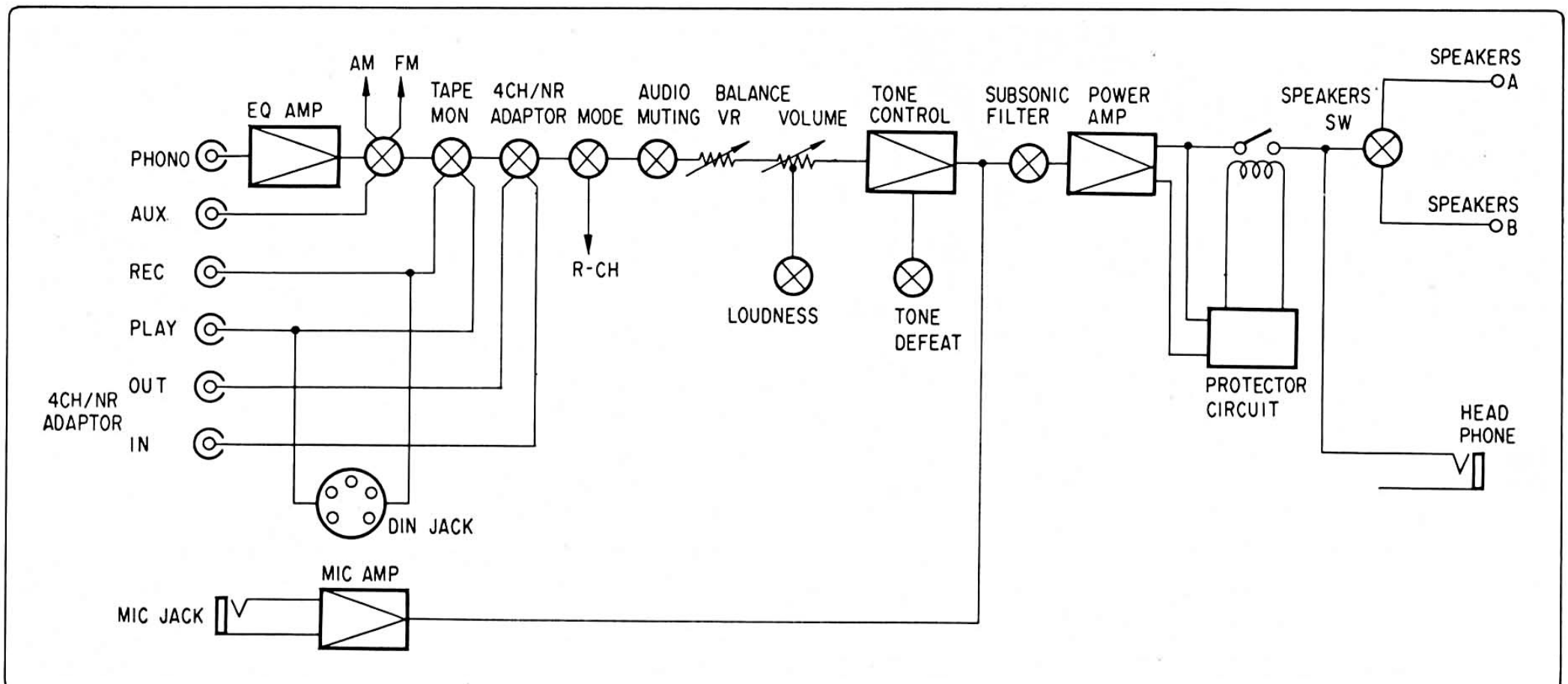
* Design and specifications subject to change without notice for improvements.

1. BLOCK DIAGRAM

1-1. Tuner Section (F-2590)

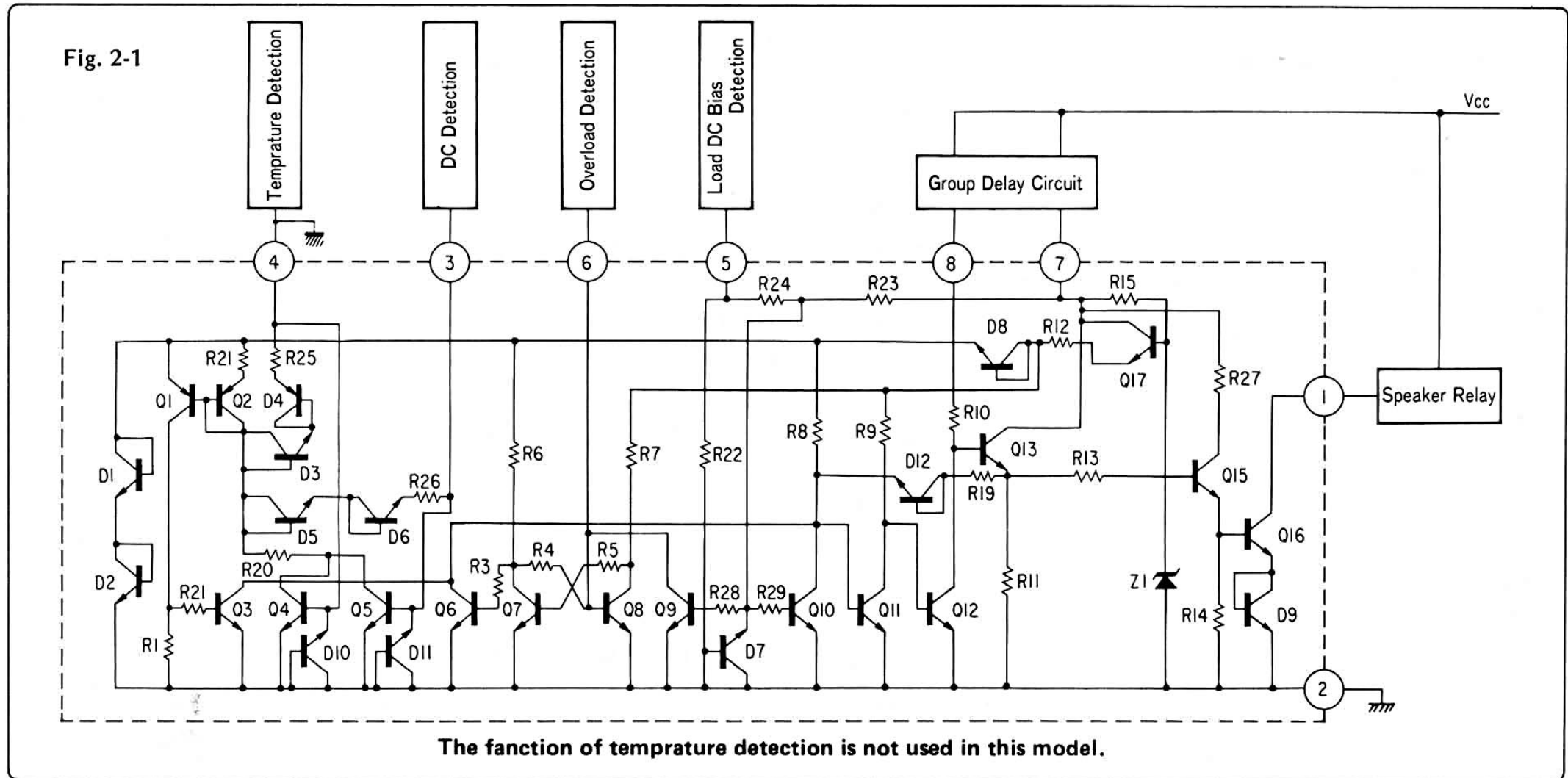


1-2. Audio Section (L-CH)



2. OPERATION

2-1. Protector Circuit with IC, HA12002



Protector circuit with IC, HA-12002 (See Fig. 2-1, 2-2)

This protector IC provides the input terminals for detecting $\pm$ DC voltage, overload, temperature rise, and pop-noise occurred at switching the power, and output terminal for switching the speaker relay. By the function above, when there are any disorder with amplifier, the output is immediately separated from speaker.

* Prevention against pop-noise at switching the power.

Since the relay RL601 remains OFF for a certain period by the time constant of R611 and C624 when power switch is turned ON, the pop-noise can be eliminated. When turning OFF the power switch, the voltage drop of pin No. 5 is faster than that of Pin No. 7, 8, therefore, the speaker relay turns OFF as soon as power is switched OFF. Resultly, the pop-noise occurred at switching the power OFF is eliminated.

* $\pm$ DC voltage detection

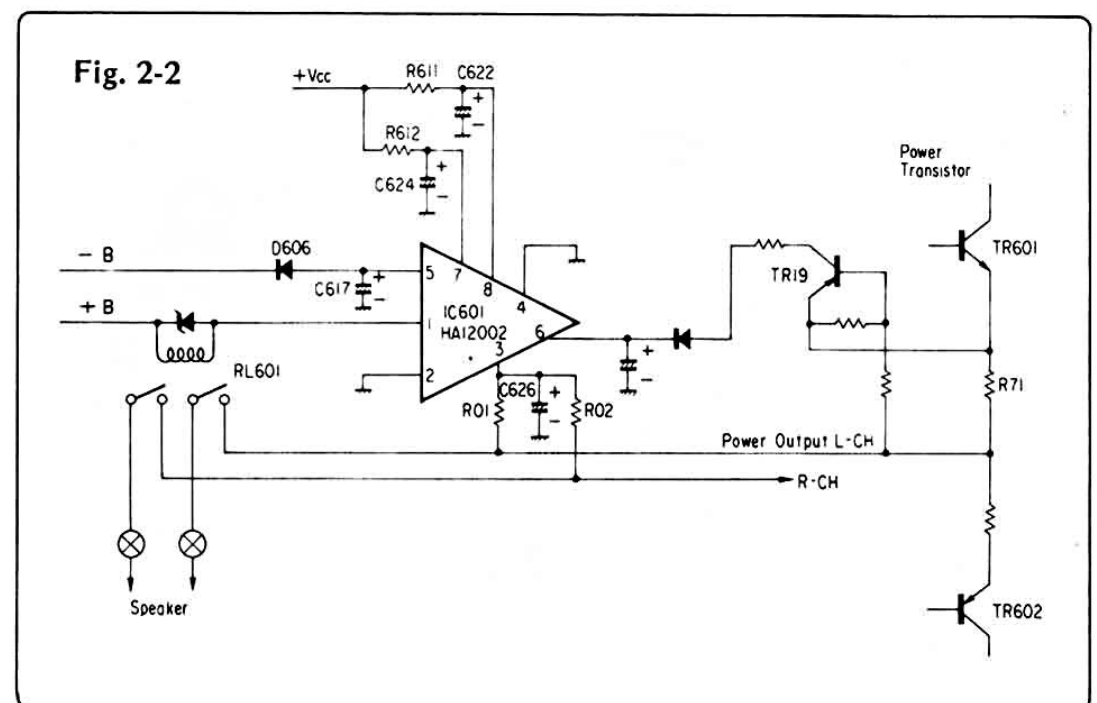
When DC voltage over +1.6V and under -1.86V are applied to pin No. 3 to be its voltage detected by R01, R02, and C626, the speaker relay is turned OFF.

* Detection against overload

When speaker terminal of amplifier is shorted or over loaded, the excessive current flows into emitter resistor R71 of power transistor and makes TR19 ON and if the DC voltage of pin No. 6 rises over +1.4V by above phenomenone, the relay is turned OFF. The relay is kept OFF in spite of the DC voltage being dropped. In order to reset the relay, it is necessary to turn the power switch OFF.

* Detection against temperature rise

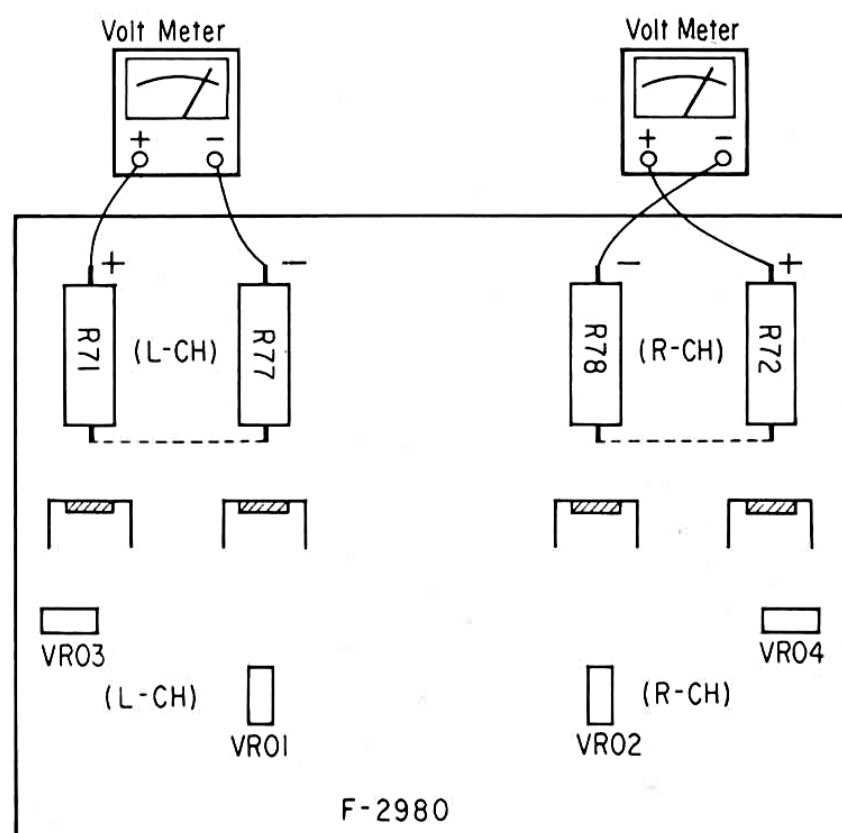
As this function is not used in this model, pin No. 4 is grounded.



3. ADJUSTMENTS

3-1. Driver Circuit Board Adjustments (See Fig. 3-1)

Fig. 3-1



TOP View

- Note:** 1. Master Volume Minimum
 2. Room Temperature 18°C ~ 28°C (65°F ~ 83°F)
 3. For adjustment, run the unit for more than 3 minutes after the power is switched on.

(1) DC 0V adjustment

	MEASURE OUTPUT	ADJUST	ADJUST FOR
L-CH	Speaker Terminal between (+) and (-)	F-2980 VR01	DC 0V
R-CH	Same as above	F-2980 VR02	DC 0V

(2) Bias Current adjustment

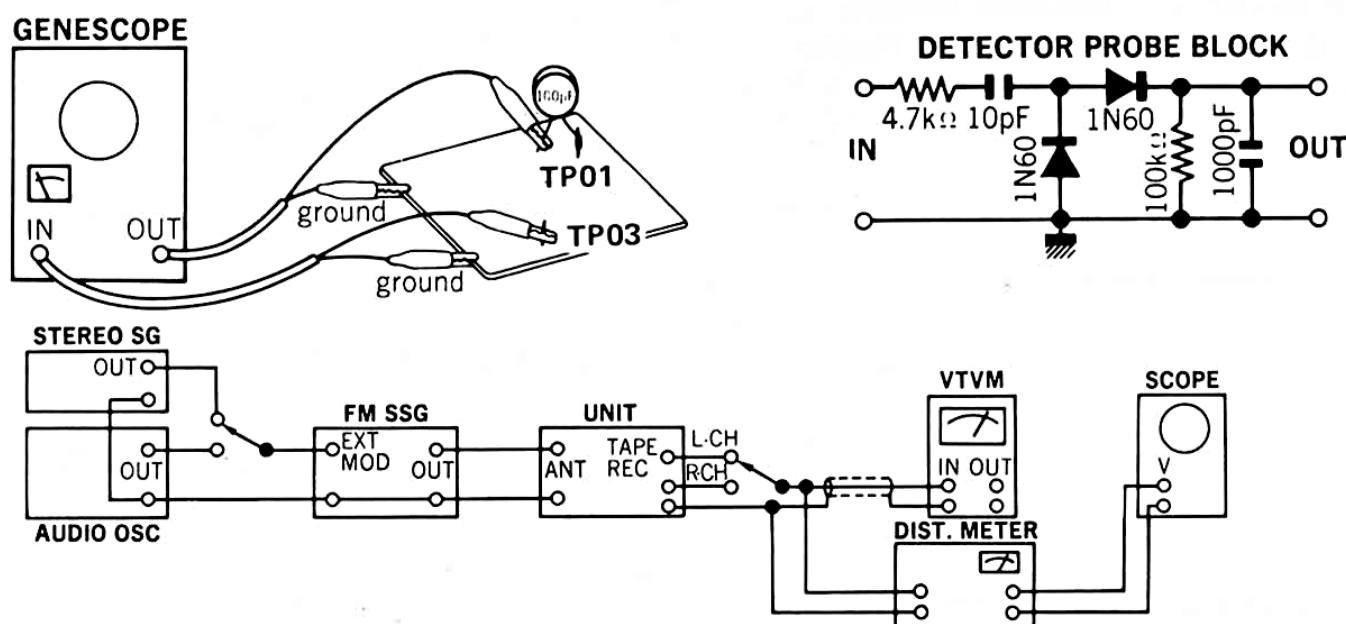
	MEASURE OUTPUT	ADJUST	ADJUST FOR
L-CH	Between emitters of TR601 and TR602 Fig. 3-1	F-2980 VR03	DC 5 mV
R-CH	Same as above	F-2980 VR04	DC 5 mV

- Note:** 1. By turning adjustment volumes, VR03 and VR04 counterclockwise, the bias current is decreased.
 2. In case of adjusting or confirming bias current, avoid such a measurement that the power transistors are heated.

3-2. FM Adjustment

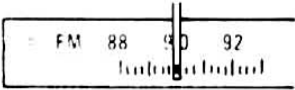
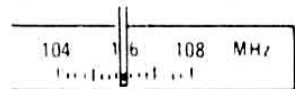
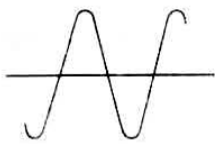
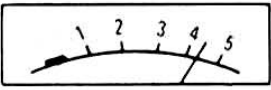
- Note:** 1. Selector FM AUTO
 2. FM Muting Switch OFF

3. Connection Connect the output of genescope to TP01 through 100 pF ceramic capacitor.



(1) FM IF, RF Adjustment and Dial Calibration (See Fig. 3-2 on page 5)

STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
		FROM	TO				
1.	IF Coil	Output 80 dB Genescope	TP01 F-2590	TP03 (Use Detector Probe)	T01 F-2590	Max. IF waveform	
2.	Discriminator Coil	Same as above	Same as above	TP04 F-2590	T02 T03 F-2590	Steep linearity of S curve Make symmetrical S curve	
	Discriminator Coil in case of using Dist Meter	90 MHz ANT Input 65 dBf (59.8 dB) 1000 Hz (100% MOD) FM SSG	ANT terminal 300Ω	OUT L or R-CH Dist Meter	T02 T03 F-2590	Minimum THD	
3.	Tuning Meter	Same as above	Same as above	Tuning Meter	T02 F-2590	Center on Meter	

STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
		FROM	TO				
4.	90 MHz Dial Calibration	90 MHz ANT Input 65 dBf (59.8 dB) 1000 Hz (100% MOD) FM SSG	ANT Terminal 300Ω	OUT L or R-CH VTVM & Scope	L03 F-2590	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	TC03 F-2590		
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-2590	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-2590	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	VR02 F-2590	4.3 on Meter	

(2) FM STEREO Adjustment (See Fig. 3-2 on page 5)

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	VR05 F-2590	Light indicator	Adjust the VR05 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	TP05 F-2590 Use Freq. counter	VR05 F-2590	76 kHz ±200 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	VR04 F-2590	OUT -35 dB	Confirm separation L-CH → R-CH
3.	Muting level & indicator level	98 MHz ANT Input 18 dBf (12.8 dB) FM SSG Pilot 19 kHz (9% MOD) SUB 1 kHz + Pilot (100% MOD) STEREO SG	Same as above	Stereo indicator	VR03 F-2590	Muting level 18 dBf (12.8 dB) Indicator lighting level 18 dBf (12.8 dB)	FM MUTING Switch ON

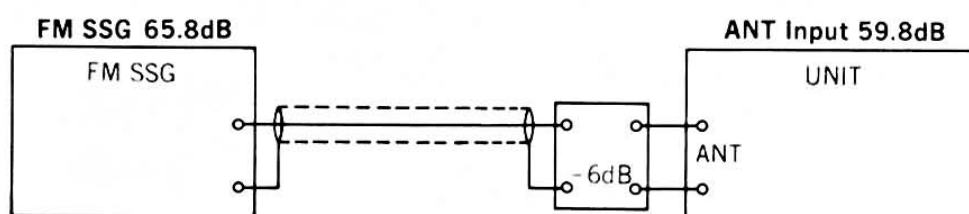
●NEW MEASUREMENT FOR FM.

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 former measurement, IHFM-T-100 is designated together too.

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

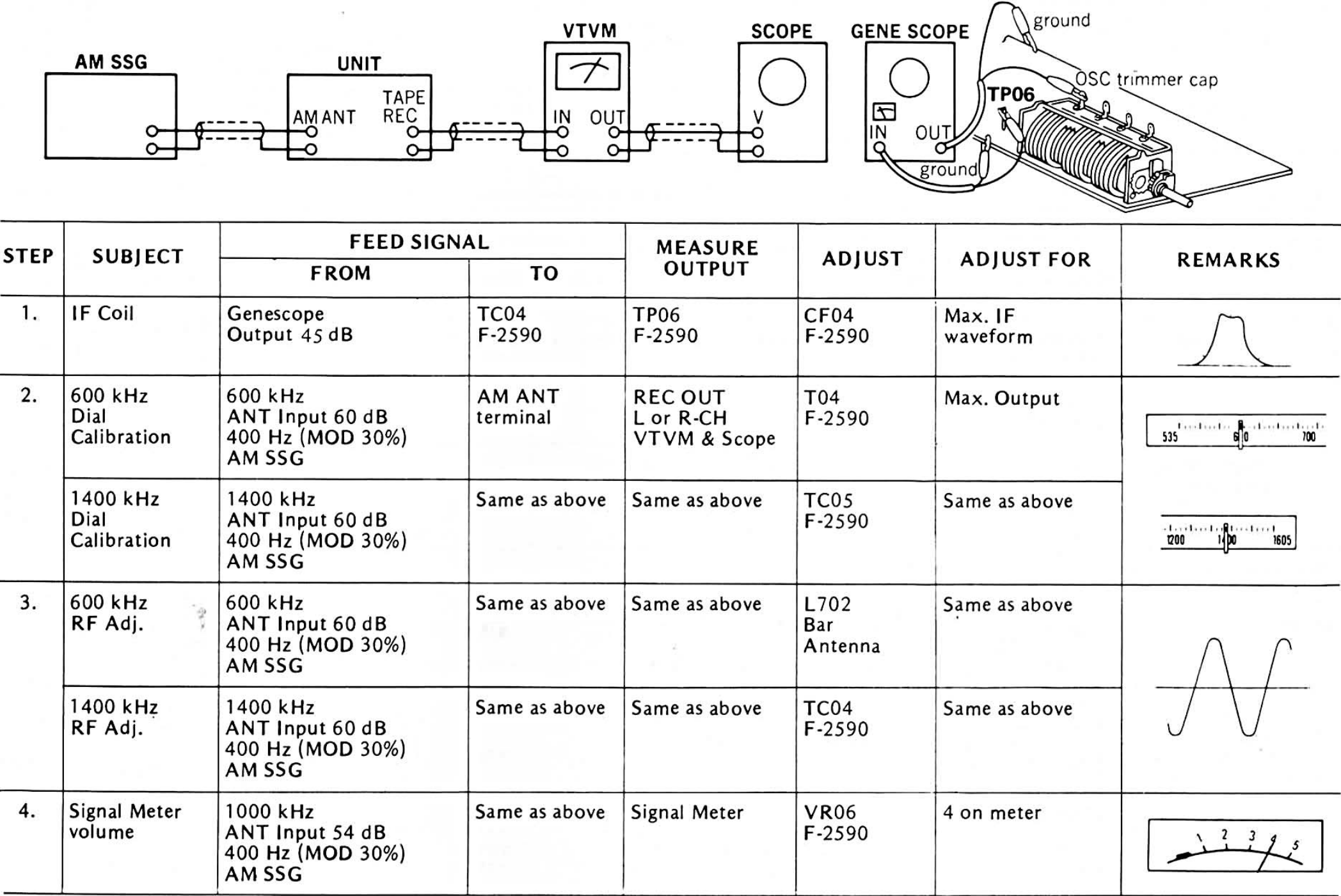
	modulation frequency	modulation mode	modulation factor
FM MONO	1000 Hz		100%
FM STEREO	1000 Hz	SUB	Pilot 9% Pilot + SUB 100%

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



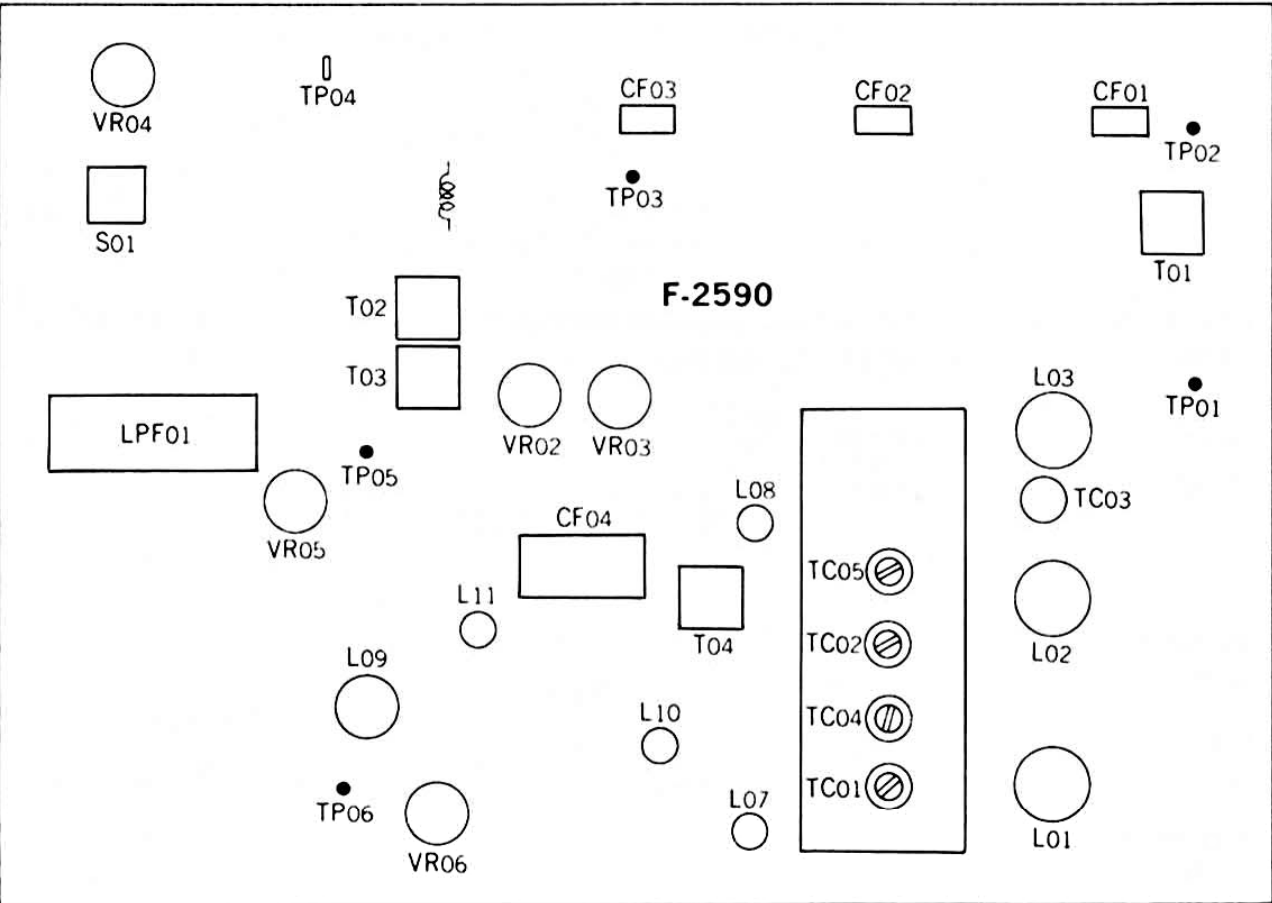
3-3. AM IF, RF Adjustment and Dial Calibration (See Fig. 3-2 below)

- Note: 1. Selector AM
2. Confirm start point of dial pointer before alignment.



•Adjusting or Connecting Points on AM, FM & FM MPX circuit board, F-2590

Fig. 3-2



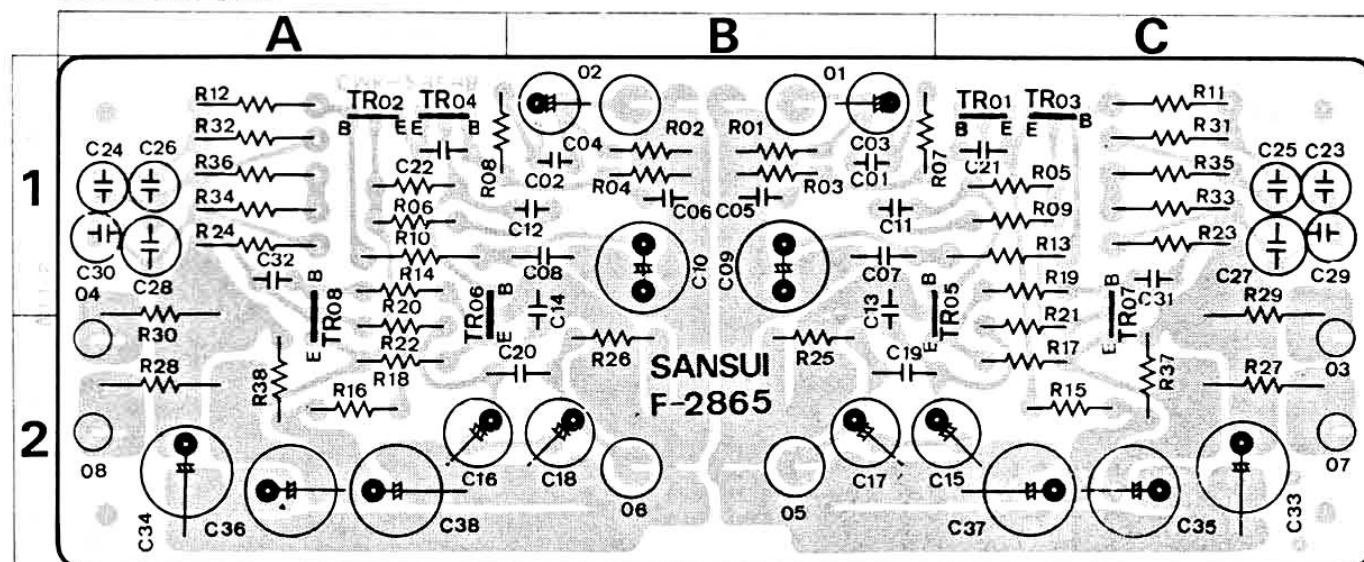
•Abbreviations

- Equipment
AM FM Generator Oscilloscope . . . Genescope
AM Standard Signal Generator . . . AM SSG
FM Standard Signal Generator . . . FM SSG
FM Stereo Generator Stereo SG
Oscilloscope Scope
Audio Oscillator Audio Osc.
- Others
Antenna ANT.
Modulation MOD.
Total Harmonic Distortion T.H.D.

4. PARTS LOCATION & PARTS LIST

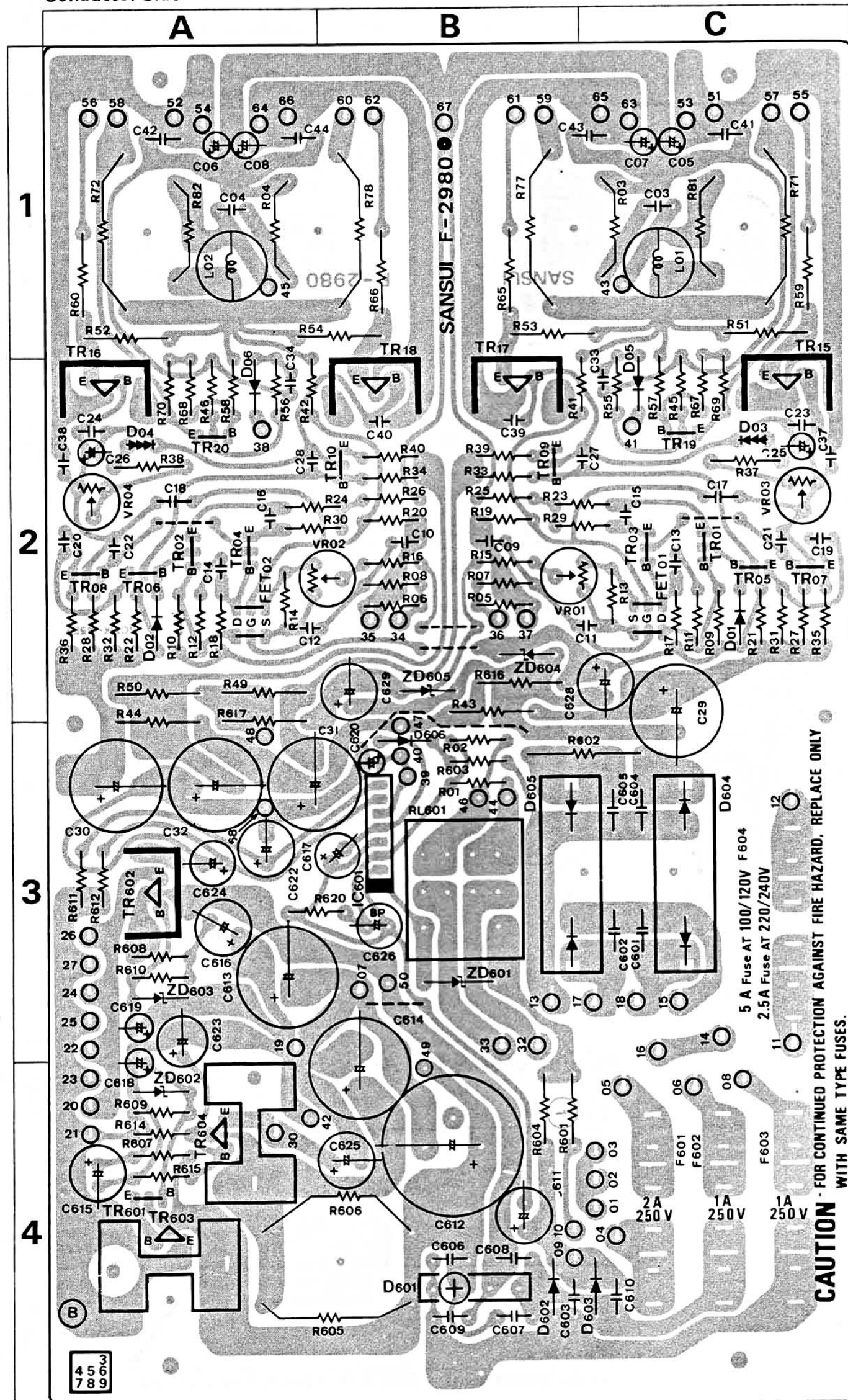
4-1. F-2865 Equalizer Circuit Board (Stock No. 7551411)

Conductor Side



4-4. F-2980 Power Amplifier Circuit Board (Stock No. 7572171)

Conductor Side



Parts List

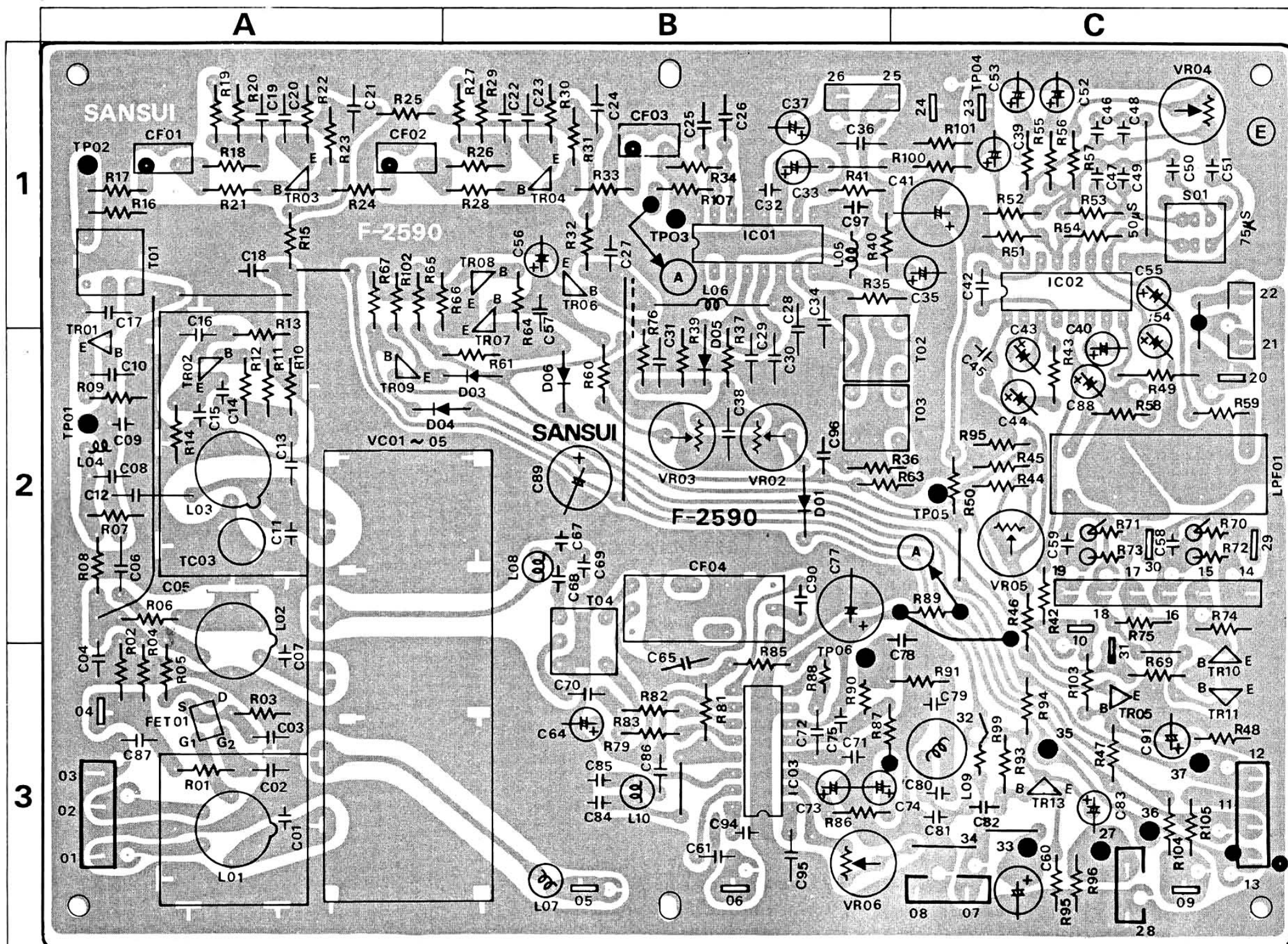
Parts No.	Stock No.	Description	Position
●Transistors			
TR01, 02	0306740, 1	2SC1845 E, F	2C.2A
TR03, 04	0306740, 1	2SC1845 E, F	2C.2A
TR05, 06	0300721, 2	2SA850 D, E	2C.2A
TR07, 08	0300721, 2	2SA850 D, E	2C.2A
TR09, 10	0306281, 2	2SC1735 D, E	2B
TR11, 12	0306740, 1	2SC1845 E, F	
TR13, 14	0301090, 1	2SA992 E, F	
TR15, 16	0308611, 2	2SD357 D, E	2C.2A
TR17, 18	0303441, 2	2SB527 D, E	2B
TR19, 20	0301090, 1	2SA992 E, F	2C.2A
TR601	0306740, 1	2SC1845 E, F	4A
TR602	0303232, 3	2SB507V11-AL E, F	3A
TR603	0308392, 3	2SD313AL E, F	4A
TR604	0308392, 3	2SD313AL E, F	4A
●IC			
IC 601	0360900	HA12002	3B
●FET			
FET01, 02	0370311, 2	2SK129 L, M	2C.2A
●Diodes			
D 01, 02	0311160	1S2473D	2C.2A
	0311180	1S1588	
D 05, 06	0311160	1S2473D	2C.2A
	0311180	1S1588	
D 601	0311700	RB-152	4B
D 602	0310350	10D2 (Red)	4B
D 603	0310350	10D2 (Red)	4C
D 604	0311290	SS-3	3C
D 605	0311300	SS-3R	3B
D 606	0310350	10D2 (Red)	3B
●Zener Diodes			
ZD601	0317170	RD-24F (B)	3B
ZD602	0317180	RD-24F (C)	4A
ZD603	0317180	RD-24F (C)	3A
ZD604, 605	0317110	RD-18F (B)	2B
	0317120	RD-18F (C)	
C 601	0655472	4700pF 500V C.C.	4C
C 602	0655472	4700pF 500V C.C.	4C
C 603	0655472	4700pF 500V C.C.	4B
C 604	0655472	4700pF 500V C.C.	4C
C 605	0655472	4700pF 500V C.C.	4C
C 606	0655472	4700pF 500V C.C.	4B
C 607	0655472	4700pF 500V C.C.	4B
C 608	0655472	4700pF 500V C.C.	4B
C 609	0655472	4700pF 500V C.C.	4B
C 610	0655472	4700pF 500V C.C.	4C
C 612	0549207	1000μF 63V E.C.	4B
R 03, 04	0212100	10Ω 2W N.I.R.	1A.1A
R 37, 38	0200100	10Ω 1/2W N.I.R.	2C.2A
R 43, 44	0200221	220Ω 1/2W N.I.R.	2B.2A
R 49, 50	0200221	220Ω 1/2W N.I.R.	2A
R 51, 52	0200221	220Ω 1/2W N.I.R.	1C.1A
R 53, 54	0200221	220Ω 1/2W N.I.R.	1B
R 59, 60	0200229	2.2Ω 1/2W N.I.R.	1C.1A
R 65, 66	0200229	2.2Ω 1/2W N.I.R.	1B
R 71, 72	0153338	0.33Ω 3W Ce.R.	1C.1A
R 77, 78	0153338	0.33Ω 3W Ce.R.	1B
R 81, 82	0212109	1Ω 2W N.I.R.	1C.1A
R 601	0201122	1.2kΩ 1W N.I.R.	4B
R 602	0212822	8.2kΩ 2W N.I.R.	3C
R 604	0201102	1kΩ 1W N.I.R.	4B
R 605	0185391	390Ω 5W N.I.R.	4A, B
R 606	0185471	470Ω 5W N.I.R.	4B
R 616	0201102	1kΩ 1W N.I.R.	2B
R 617	0201102	1kΩ 1W N.I.R.	2A
L 01, 02	4290370	1μH RF Coil	1C.1A
RL601	1150400	Relay	
	1150480	Relay	
VR01, 02	1034150	100Ω B	2B.2A, B
VR03, 04	1034150	100Ω B	2C.2A
F 601	0432240	2A 250V AC Fuse	4C
F 602	0432220	1A 250V AC Fuse	4C
F 603	0432220	1A 250V AC Fuse	4C
F 604	0432290	5A 125V AC Fuse	3C
	2310220	Fuse Holder (Large)	
	2310230	Fuse Holder (Small)	

Abbreviations

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

4-5. F-2590 Tuner Circuit Board (Stock No. 7522111)

Conductor Side



Parts List

Parts No.	Stock No.	Description	Position	Parts No.	Stock No.	Description	Position	Parts No.	Stock No.	Description	Position
●Transistors				●Diodes				L 07 4900100 3.3μH Inductor 3B			
TR01	0305801,2	2SC1047 B,C	2A	D 04	0311160	1S2473D	2A	L 08	4900100	3.3μH Inductor	2B
TR02	0305801,2	2SC1047 B,C	2A	D 05	{ 0311160	1S2473D	2B	L 10	4900110	100μH Inductor	3B
TR03	0306113	2SC738 D	1A		{ 0311180	1S1588					
TR04	0306112	2SC738 C	1B	D 06	0311160	1S2473D	2B	T 01	4235930	FM IF Coil	1A
TR05	{ 0305730 ~ 2	2SC711 D,E,F	3C	D 901	{ 0311160	1S2473D		T 02	{ 4235990	FM IF Coil	2B
	{ 0305950,1	2SC945 Q,R		{ 0311180	1S1588	{ 4235991	FM IF Coil				
	{ 0305952,3	2SC945 K,P				{ 4236000	FM IF Coil	2B			
	{ 0306090,1	2SC1312R F,G				{ 4236001	FM IF Coil				
TR06	{ 0305730 ~ 2	2SC711 D,E,F	1B	●Varistors				T 03	4220650	AM OSC Coil	2B
	{ 0305950,1	2SC945 Q,R		D 01	0340120	VD1212	2B	T 04	4290300	18μH Inductor Coil	
	{ 0305952,3	2SC945 K,P		D 03	0340120	VD1212	2B	T 05	4290011	35μH Peaking Coil	
	{ 0306090,1	2SC1312R F,G						T 06			
TR07	{ 0305731,2	2SC711 E,F	1B	C 01	0669350	15pF 50V C.C.	3A	CF 01	0910380	Ceramic Filter	1A
	{ 0305951,2	2SC945 P,Q		C 05	0659015	2200pF 50V C.C.	2A	CF 02	0910380	Ceramic Filter	1A
	{ 0306090,1	2SC1312R F,G		C 06	0669504	4pF 50V C.C.	2A	CF 03	0910380	Ceramic Filter	1B
	{ 0305731,2	2SC711 E,F		C 07	0669350	15pF 50V C.C.	3A	CF 04	0910370	Ceramic Filter	2B
TR08	{ 0305951,2	2SC945 P,Q	1B	C 09	0661220	22pF 50V C.C.	2A	LF 01	0910220	Low Pass Filter	
	{ 0306090,1	2SC1312R F,G		C 11	0669355	20oF 50V C.C.	2A				
TR09	0300470	2SA726 F	2A	C 12	0679012	1.5pF 500V Gimmick Capacitor	2A	VR02	1035170	47kΩ (B)	2B
TR10,11	{ 0305641	2SC735	3C	C 13	0669210	10pF 50V C.C.	2A			FM Signal Meter VR	
	{ 0306390	2SC1636-1		C 14	0669210	10pF 50V C.C.	2A	VR03	1035190	100kΩ (B) FM Stereo and	2B
	{ 0305730,1	2SC711 D,E		C 15	0669210	10pF 50V C.C.	2A			Muting Lever VR	
	{ 0305732,3	2SC711 F,G		C 45	0629005	360pF 50V P.C.	2C	VR04	1035210	220kΩ (B) Separation VR	1C
TR13	{ 0305950,1	2SC945 Q,R	3C	C 48,49	0620101	100pF 50V P.C.	1C	{ 1034250	4.7kΩ (B) V.C.O. VR	2C	
	{ 0305952,3	2SC945 K,P		C 50,51	0620561	560pF 50V P.C.	1C				
	{ 0306090,1	2SC1312R F,G		C 67	0669400	15pF 50V C.C.	2B	VR06	1035110	4.7kΩ (B)	3B
	●ICs				C 68	0661150	15pF 50V C.C.	2B			
IC 01	0360350	HA1137W	1B	C 69	0620361	360pF 50V P.C.	2B	S 01	1110270	De-emphasis Switch	1C
IC 02	0360320	HA1196	1C	C 84	0661150	15pF 50V C.C.	3B				
IC 03	0360800	LA1240	3B	C 85	0661150	15pF 50V C.C.	3B	VC01	1220250	AM-FM Variable Capacitor	2A
●FETs				L 01	4200720	Antenna Coil	3A	TC 03	1230090	Trimmer Capacitor	2A
FET01	{ 0370120,1	3SK41 K,L	3A	L 02	4210340	RF Coil	2A				
	{ 0370131,2	3SK41 (II) K,L		L 03	4220400	OSC Coil	2A				
				L 04	4290110	100μH Choke Coil	2A				

- The circuit boards, F-2862, F-2878, F-2879, F-2866, F-2864, F-2868, F-2981, F-2867 & F-2854 are not supplied as the assembled, the individual parts on the circuit boards, however, are provided for orders.

4-6. F-2862 Power Indicator Circuit Board

Parts List

Parts No.	Stock No.	Description
LD 601	0319050	LED (Green) power

4-7. F-2862 FM Stereo Indicator Circuit Board

Parts List

Parts No.	Stock No.	Description
LD 601	0319060	LED (Red) FM stereo

4-8. F-2878 Balance Volume Circuit Board

Parts List

Parts No.	Stock No.	Description
VR01	1015320, 1	250k Ω (M, N) x 2 Balance Volume

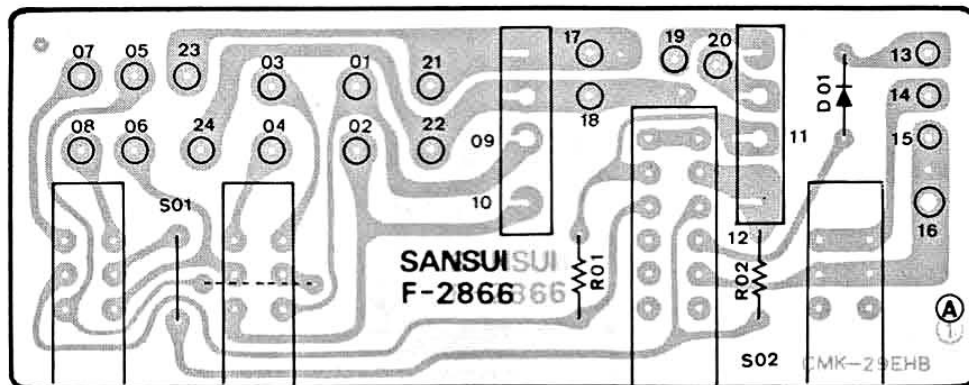
4-9. F-2879 Volume Circuit Board

Parts List

Parts No.	Stock No.	Description
VR01	1011160, 1	150k Ω (B) x 2 Volume

4-10. F-2866 Tape Monitor/FM Muting & Mode Switch Circuit Board

Conductor Side

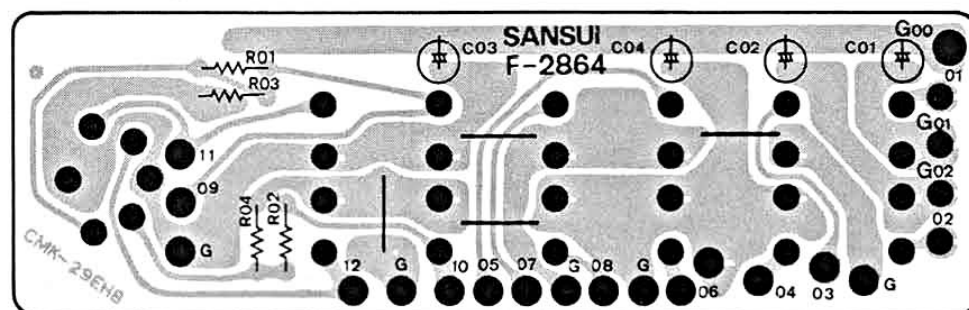


Parts List

Parts No.	Stock No.	Description
•Diode		
D 601	{0311160 0311180}	1S2473D 1S1588
S 01	1131560, 1	Tape Monitor SW
S 02	1131590 2410590	FM Muting & Mode SW 4P Pin Ass'y Type D

4-11. F-2864 Input Terminal Circuit Board

Conductor Side



Parts List

Parts No.	Stock No.	Description
	2090030	5P Din Socket
	2200490	12P Input Terminal

4-12. F-2868 Speakers Selector Circuit Board

Parts List

Parts No.	Stock No.	Description
S 01	1131580, 1	Speaker Selector SW

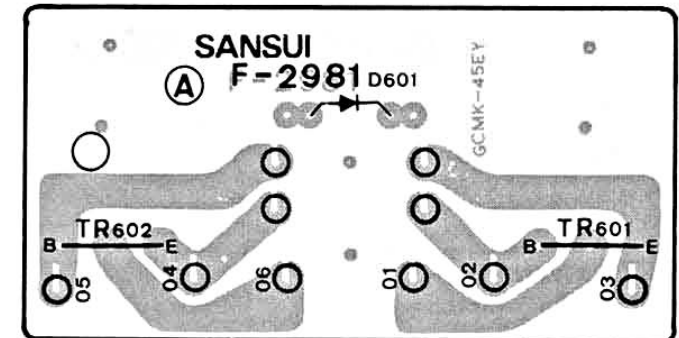
4-13. F-2981 Power Transistor Circuit Board (L-CH)

Parts List

Parts No.	Stock No.	Description
•Transistors		
TR 601	0306780, 1	2SC2578LB O, Y
TR 602	0301130, 1	2SA1103LB O, Y
•Diode		
D 601	0340161, 2	STV-3H G, Y

4-14. F-2981 Power Transistor Circuit Board (R-CH)

Conductor Side

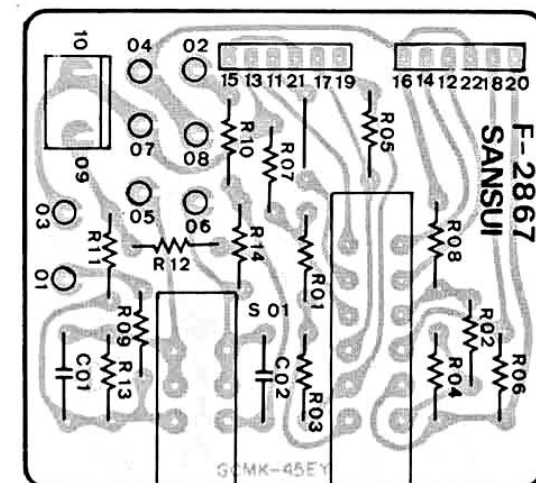


Parts List

Parts No.	Stock No.	Description
•Transistors		
TR 601	0301130, 1	2SA1103LB O, Y
TR 602	0306780, 1	2SC2578LB O, Y
•Varistor		
D 601	0340161, 2	STV-3H G, Y

4-15. F-2867 Tone & Subsonic Filter Switch Circuit Board

Conductor Side

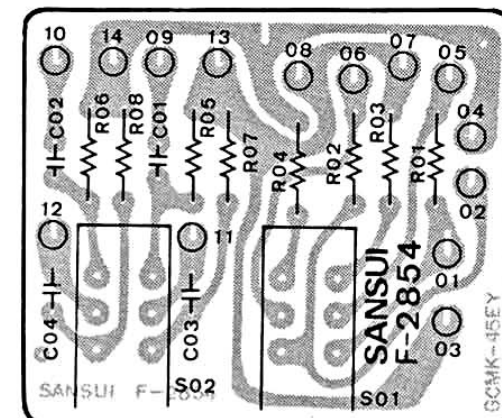


Parts List

Parts No.	Stock No.	Description
S 01	1131570, 1	Tone & Subsonic Filter SW

4-16. F-2854 Audio Muting & Loudness Switch Circuit Board

Conductor Side

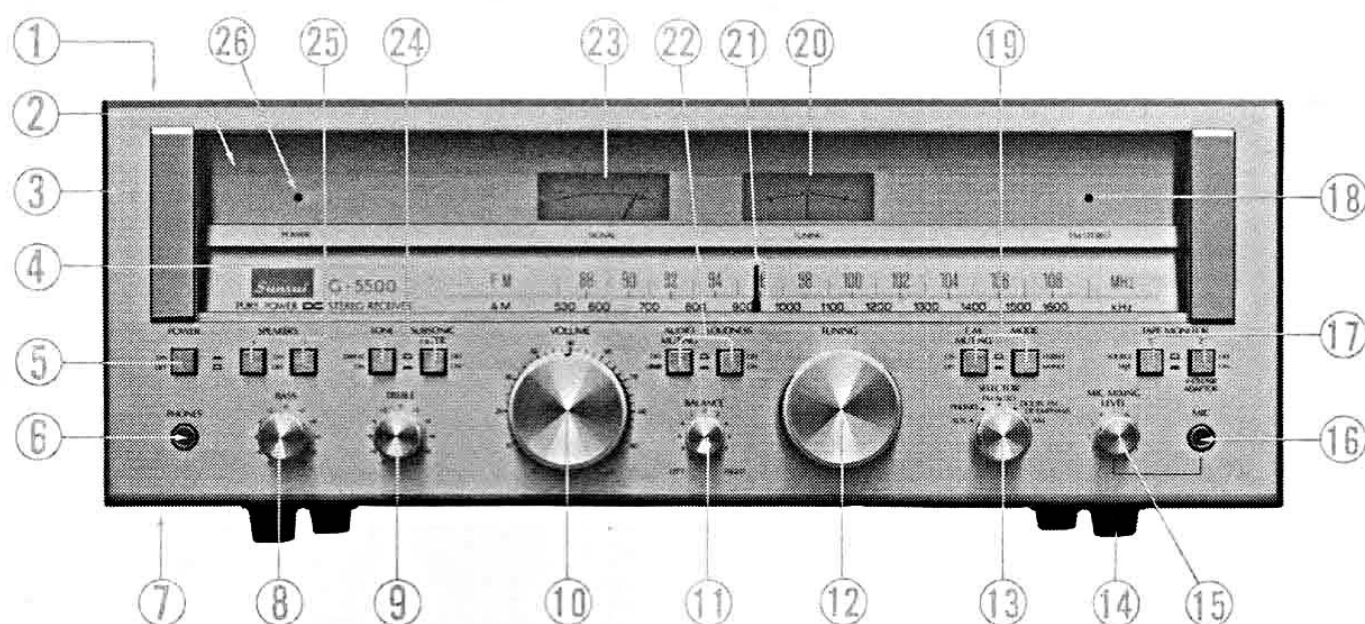


Parts List

Parts No.	Stock No.	Description
C 01,02	0620511	510pF 50V P.C.
S 01	1131560, 1	Audio Muting & Loudness SW

5. OTHER PARTS

5-1. Front View



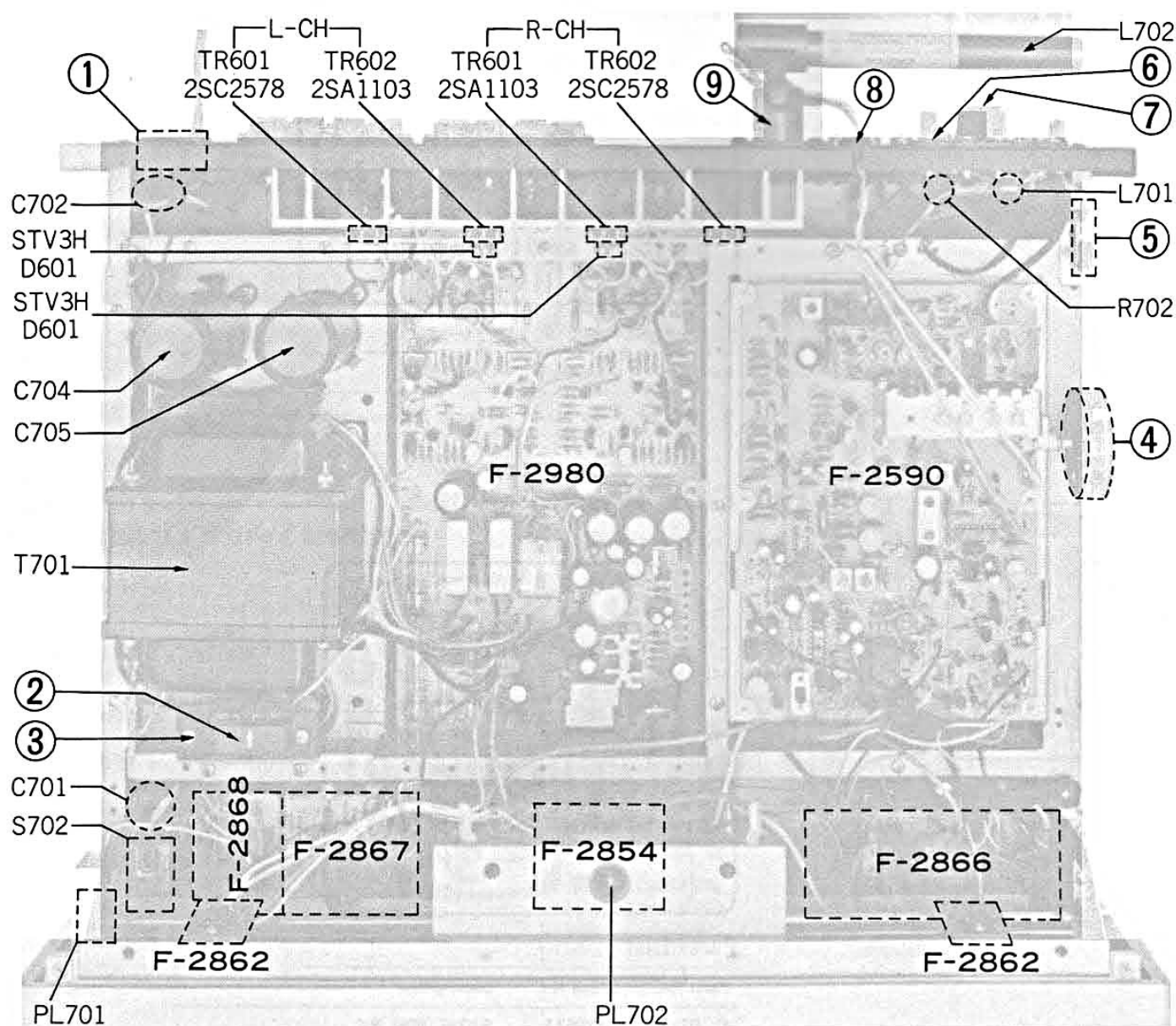
Parts List

Parts No.	Stock No.	Description
1	5727160	Wood Bonnet
2	5456580	Inside Panel
3	7008080	Front Panel Ass'y
	5408311	Front Glass
	5048121	Masking Plate
	5517270	Masking Packing
4	5408580	Dial Scale
5	5326690	Power Switch Knob
	1131650	Power Switch
6	2430400	Head Phone Jack Socket
7	5058861	Bottom Plate
8	5319081	Bass Volume Knob
	1015360, 1	100k Ω (C) x 2 Bass Volume
9	5319081	Treble Volume Knob
	1015360, 1	100k Ω (C) x 2 Treble Volume

Parts No.	Stock No.	Description
10	5319181	Volume Knob
	1011160, 1	150k Ω (B) x 2 Volume
11	5319133	Balance Volume Knob
	1015320, 1	250k Ω (M, N) x 2 Balance Volume
12	5319172	Tuning Knob
13	5319142	Selector Switch Knob
	1103600, 1	Selector Switch
14	5516821	Leg
15	5319133	Mic Mixing Level Volume Knob
	1090270, 1	20k Ω (A) Mic Mixing Level Volume
16	2430400	Microphone Jack Socket
17	5326690	Tape Monitor Switch Knob
	1131560, 1	Tape Monitor Switch

Parts No.	Stock No.	Description
18	0319060	FM Stereo LED (Red)
19	5326690	FM Muting & Mode Switch Knob
	1131590, 1	FM Muting & Mode Switch
20	4301240, 1	Tuning Meter
21	7116090	Dial Pointer
22	5326690	Audio Muting & Loudness Switch Knob
	1131560, 1	Audio Muting & Loudness Switch
23	4301230, 1	Signal Meter
24	5326690	Tone & Subsonic Filter Switch Knob
	1131571	Tone & Subsonic Filter Switch
25	5326690	Speaker Selector Knob
	1131580, 1	Speaker Selector Switch
26	0319050	Power LED (Green)

5-2. Top View



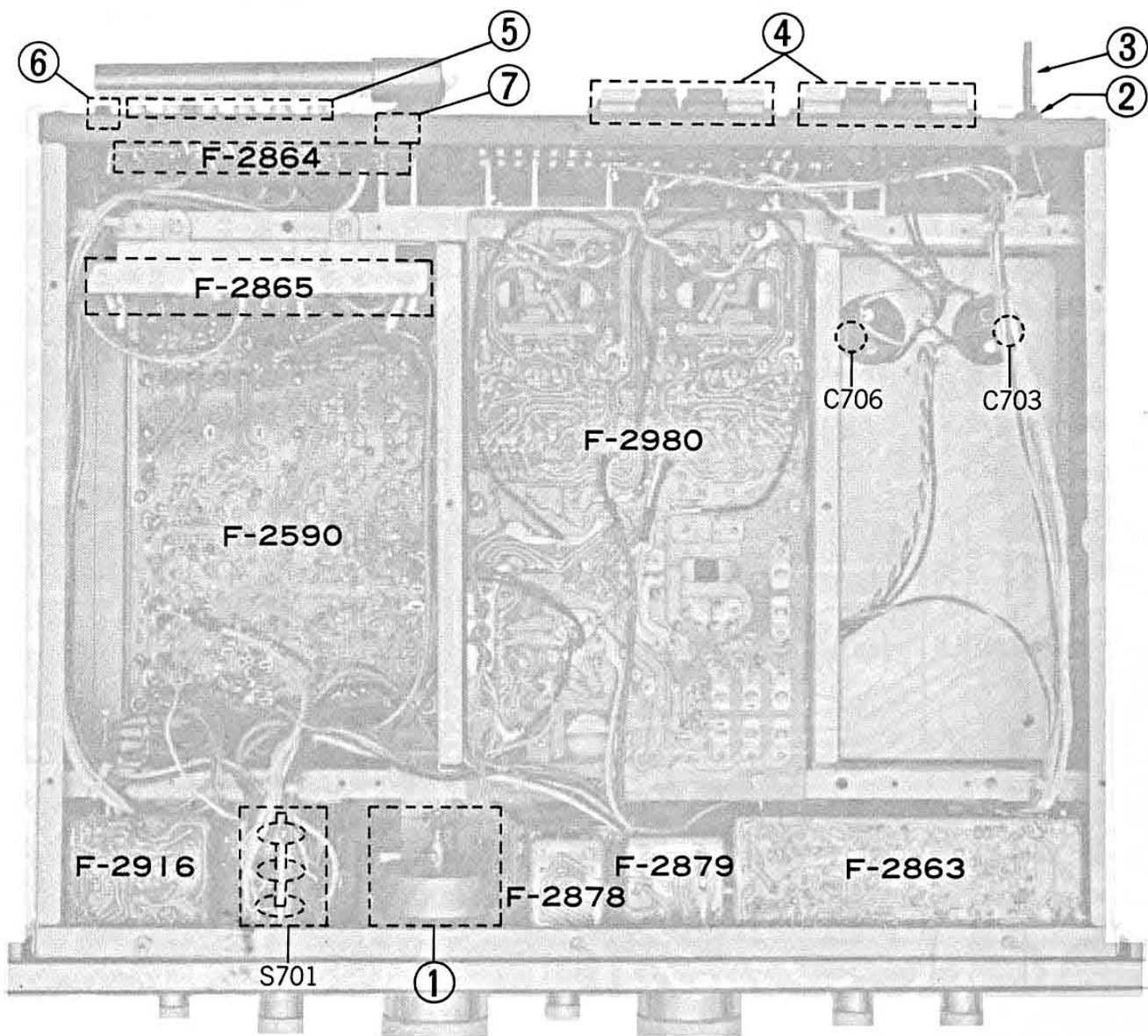
Parts List

Parts No.	Stock No.	Description
1	2450070	AC Outlet
2	2410091	6P Voltage Selector Plug
3	2410830	10P Voltage Selector Socket
4	6146670	Pulley
5	7136083	Tension Unit
6	2210310	Antenna Terminal Board
7	5286480	Bar Antenna Holder (B)
8	3910490	Strain Relief (Antenna Cord)
9	5286450	Bar Antenna Holder

●Transistors			
TR601(L-CH)	0306780, 1	2SC2578LB	O, Y
TR601(R-CH)	0301130, 1	2SA1103LB	O, Y
TR602(L-CH)	0301130, 1	2SA1103LB	O, Y
TR602(R-CH)	0306780, 1	2SC2578LB	O, Y

●Diode			
D 601	0340161, 2	STV-3H	G, Y
C 701	0605337	0.033 μ F	250V M.C.
C 702	0659802	0.0047 μ F	150V C.C.
C 704	0559384	10000 μ F	50V E.C.
C 705	0559384	10000 μ F	50V E.C.
R 702	0103122	1.2k Ω	1/2W C.R.
L 701	4290021	Balun	
L 702	4200830, 1	Bar Antenna	
T 701	4002930	Power Transformer	
S 702	1131650	Power Switch	
PL 701, 702	0400650	8V 0.3A Pilot Lamp	

5-3. Bottom View



Parts List			
Parts No.	Stock No.	Description	Position
1	7036620	Tuning Unit	
2	3910600	Strain Relief (AC Cord)	
3	3800470	AC Cord	
4	2290190	Speaker Terminal	
5	2200490	12P Input Terminal Board	
6	2230150	Ground Terminal	
7	2090030	5P Din Socket	
C 703	0602108	0.1μF 100V M.C.	
C 706	0602108	0.1μF 100V M.C.	
S 701	1103600, 1	Selector Switch	

6. 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 170 cm (66.9 inch).

Fig. 6-1

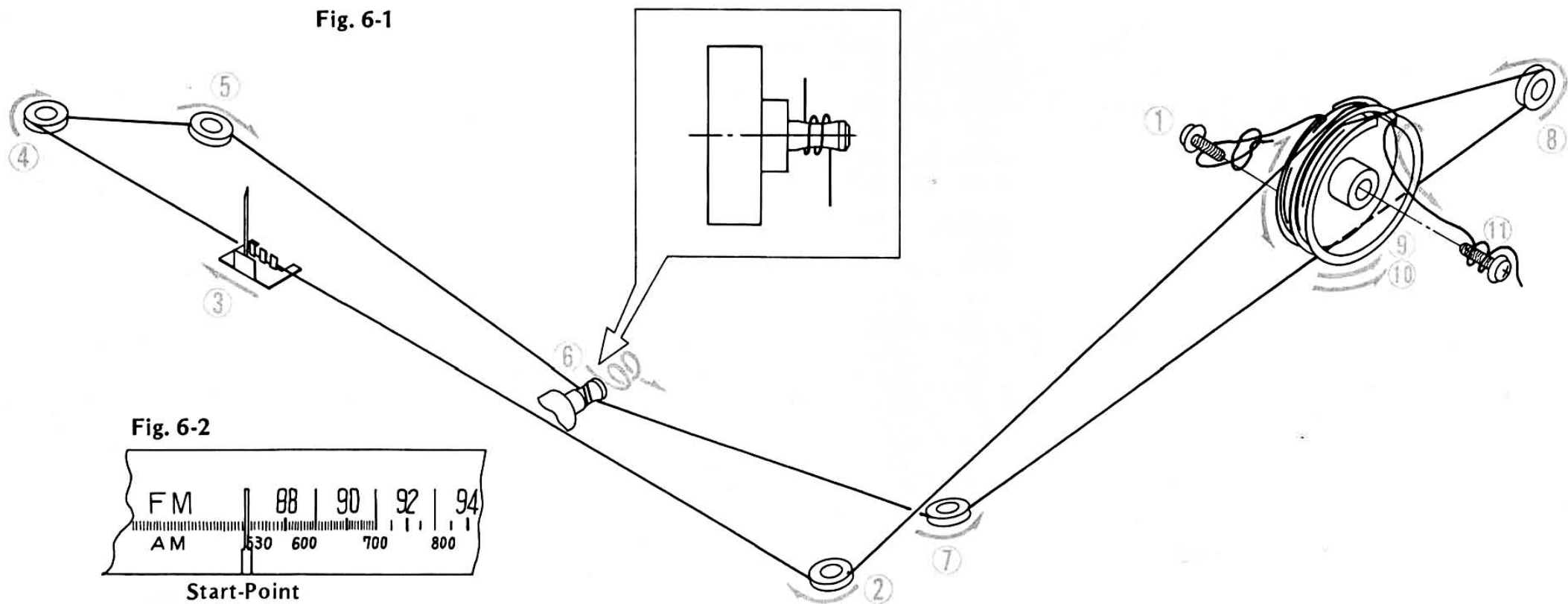


Fig. 6-2

1. Threading of Dial Cord

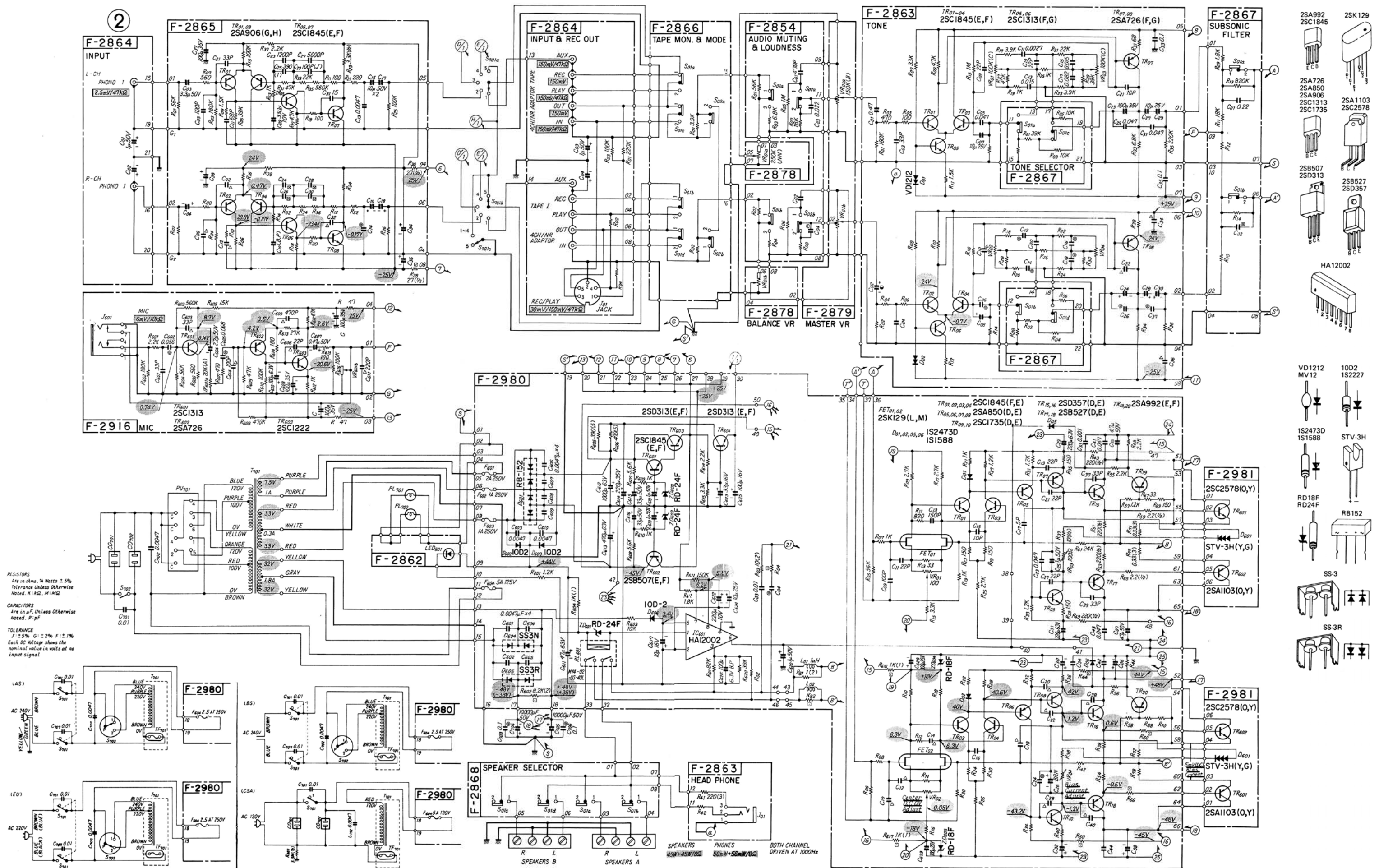
- Thread the dial cord in numerical order from 1 to 11 as Fig. 6-1.
- Close the variable capacitor completely.

Stock No.	Description
6036051	Dial Cord (0.5 mmϕ)
6146670	Dial Pulley

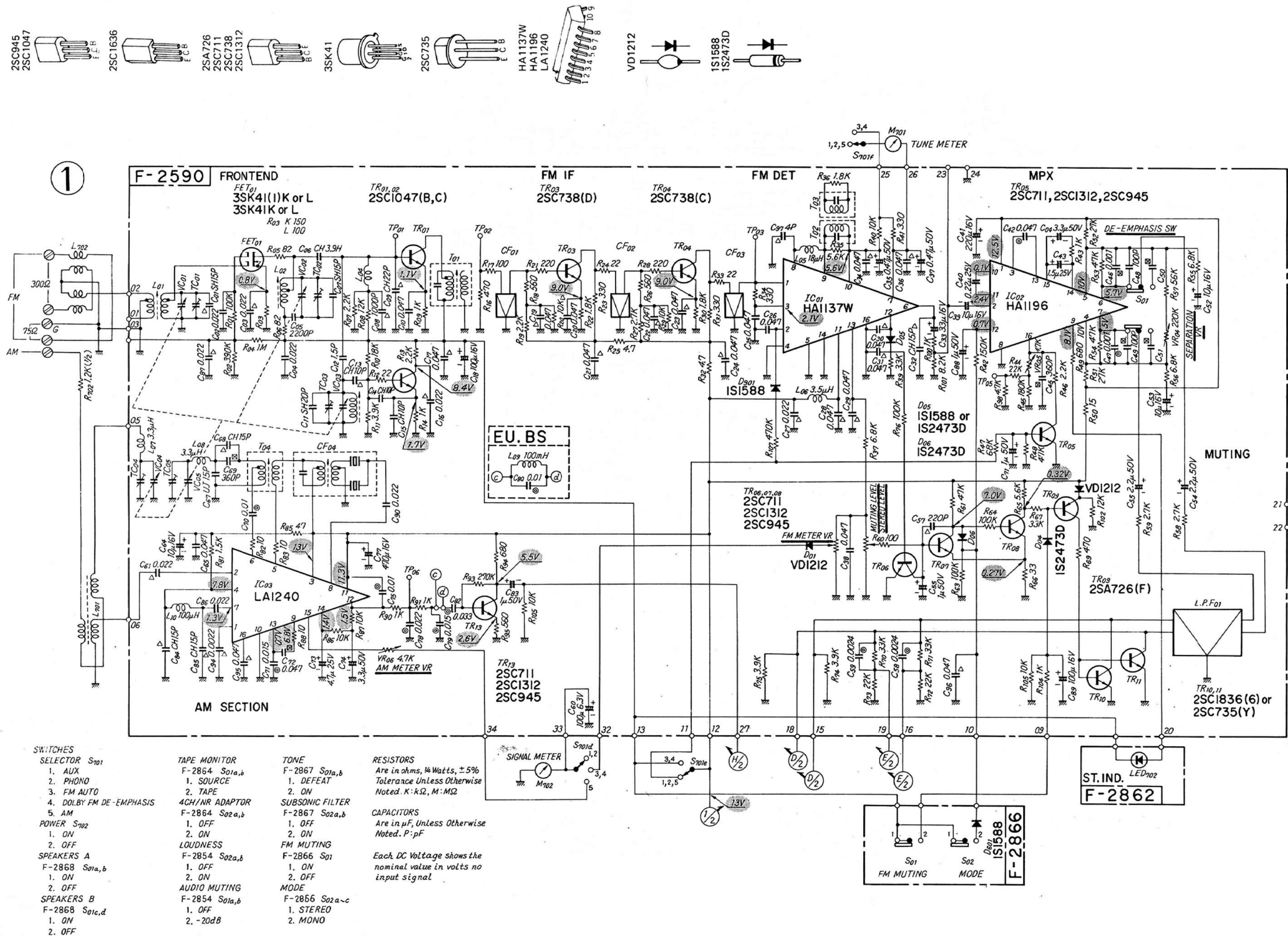
2. Attachment of Dial Pointer

1. Set the dial pointer to the start-point as Fig. 6-2.
- Confirm that the dial pointer runs smoothly on the dial scale by turning the tuning shaft.

7-1. Audio & Power Supply Section

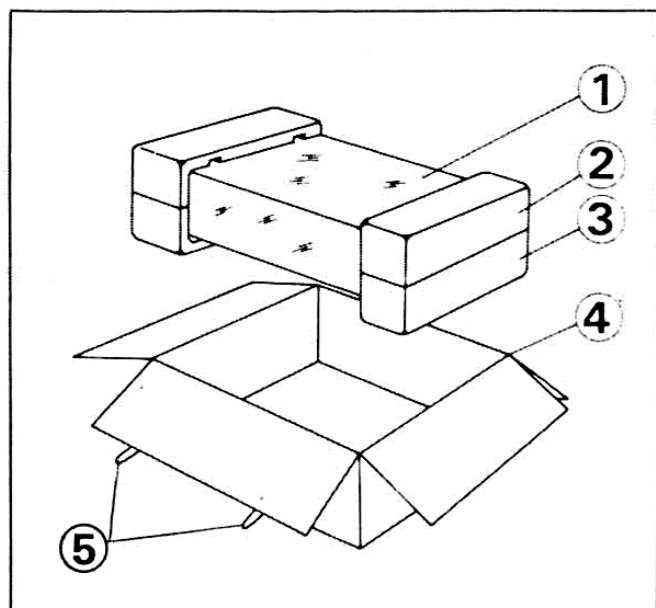


7-2. Tuner Section



8. PACKING LIST

Parts No.	Stock No.	Description
1	9116790	Vinyl Cover
2	9028141	Styrofoam Packing (Upper)
3	9028151	Styrofoam Packing (Lower)
4	9001420	Carton Case
5	5996080	Curl Stopper



9. ACCESSORY PARTS LIST

Stock No.	Description
9204410	Operating Instructions
9237920	Schematic Diagram
3820100	FM Antenna

MEMO



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