

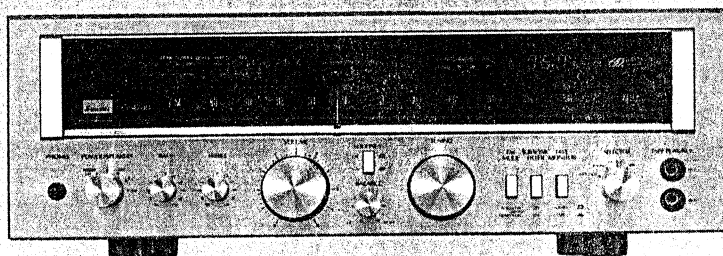


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SERVICE MANUAL

AM/FM STEREO RECEIVER

SANSUI G-4700



SANSUI ELECTRIC CO., LTD.

● SPECIFICATIONS

Audio section

Power output

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

50 watts per channel into 8 ohms

Load impedance 8 ohms

Total harmonic distortion

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

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

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

Frequency response (at 1 watt)

Overall (from TAPE/AUX)

10 to 70,000 Hz

+1.0 dB, -2.0 dB

RIAA curve deviation (PHONO, 30 Hz, to 15 kHz)

+0.5 dB, -0.5 dB

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

30 into 8 ohms

Input sensitivity and impedance (at 1 kHz)

PHONO 2.5 mV/47 kilohms

(Max. input capability: 200 mV at 1 kHz, less than 0.5 % total harmonic distortion.)

TAPE PLAY, TAPE/AUX

150 mV/47 kilohms

Output level (at 1 kHz)

TAPE REC 150 mV

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

PHONO 76 dB

TAPE PLAY, TAPE/AUX

95 dB

Channel separation (at 1 kHz)

PHONO 50 dB

TAPE PLAY, TAPE/AUX

50 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)

9 dB at 50 Hz

6 dB at 10 kHz

FM section

Tuning range 88 to 108 MHz

Usable sensitivity

Mono IHF 10.8 dBf (1.9 μ V)

DIN 1.2 μ V

Stereo IHF 19 dBf

50 dB quieting sensitivity

Mono 15 dBf

Stereo 38 dBf

Signal to noise ratio (at 65 dBf)

Mono 75 dB

Stereo 70 dB

Distortion (at 65 dBf)

Mono less than 0.18 % at 100 Hz

less than 0.15 % at 1,000 Hz

less than 0.25 % at 6,000 Hz

Stereo less than 0.3 % at 100 Hz

less than 0.25 % at 1,000 Hz

less than 0.3 % at 6,000 Hz

Alternate channel selectivity (at 400 kHz)

50 dB

Capture ratio 1.0 dB

Image response ratio 48 dB

Spurious response ratio 70 dB

IF response ratio 90 dB

Stereo separation 30 dB at 100 Hz

40 dB at 1,000 Hz

28 dB at 10,000 Hz

Frequency response 30 to 15,000 Hz

+0.5 dB, -1.0 dB

Antenna input impedance

300 ohms balanced

75 ohms unbalanced

AM section

Tuning range 530 to 1,600 kHz

Usable sensitivity (bar antenna)

50 dB/m (300 μ V/m)

Selectivity 33 dB

Signal to noise ratio 46 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

160 watts 190 VA

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

155 mm (6-1/8") H

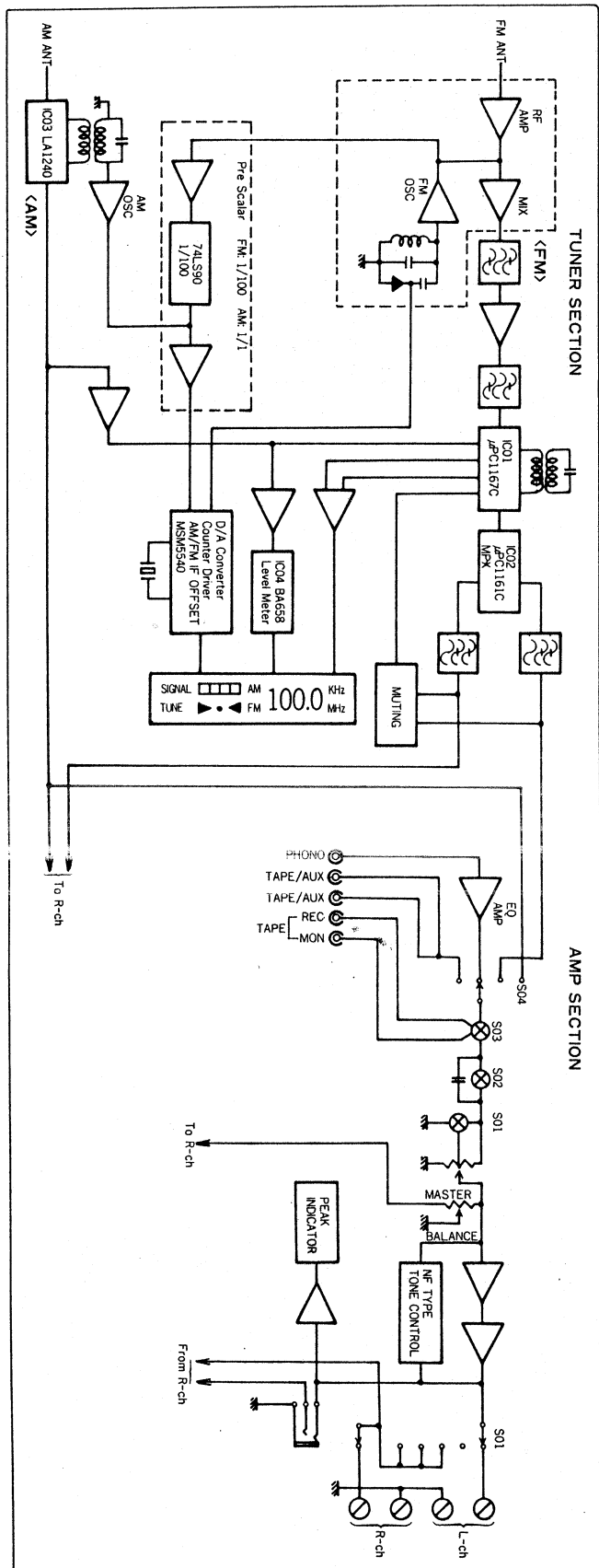
355 mm (14") D

Weight 8.6 kg (19.0 lbs) net

10.0 kg (22.0 lbs) packed

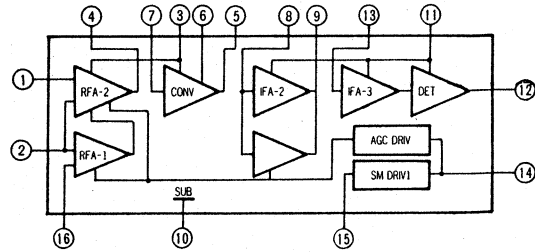
• Design and specifications subject to changes without notice for improvements.

1. BLOCK DIAGRAM

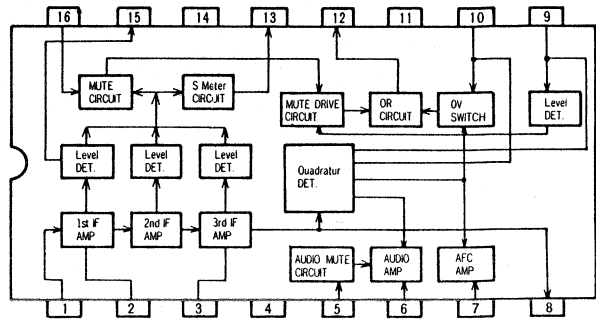


2. INTERIOR BLOCK DIAGRAM OF IC

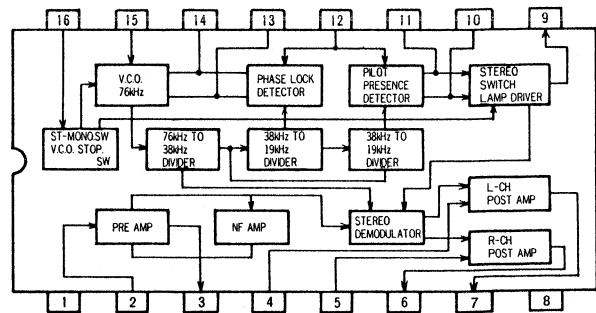
• LA-1240 (AM Tuner IC)



• μ PC1167C (Quadrature Detector IC)



• μ PC1161C (MPX IC)

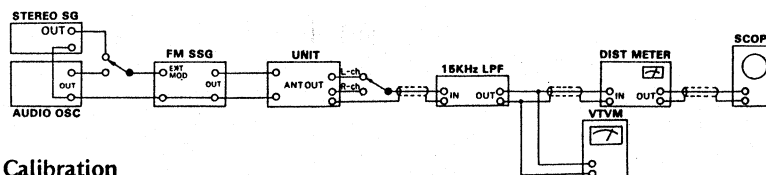
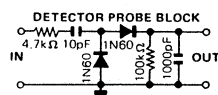


3. ADJUSTMENTS (See Top View on Page 8)

1. FM Adjustment

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 adjustment 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	98 MHz ANT Input as mini as possible 1 kHz (100% MOD) FM SSG	ANT Terminal 300Ω	REC OUT Connect VTVM & Scope	T1 on FM Pack F-3062	Max. Output	
2.	Discriminator Coil	Output 60 dB Genescope	Pin marked IF on FM Pack	Lead wire of R18 on F-3062	T01, T02 on F-3062	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) 1 kHz (100% MOD) FM SSG	ANT terminal 300Ω	REC OUT Connect VTVM Scope & Dist Meter	T1 on FM Pack F-3062 T01, T02 on F-3062	Mini Distortion	
3.	Tune Indicator	Same as above	Same as above	Between Pin 07 & 08 on F-3062 Connect Volt Meter	T02 on F-3062	0V ± 0.1V	
4.	AFC Bias Adj.	Same as above	Same as above	TP02 on F-3062 Connect Volt Meter	VR03 on F-3000	7V ± 0.2V	Before this adjustment ground collector of TR15 (lead wire of R35) & base of TR17 on F-3000
5.	Dial Calibration	No Input		Dial Pointer	Tuning Knob	98 MHz	
		Same as above		Indication of display unit	TC3 on FM Pack F-3062	98 MHz	
6.	RF Adj.	98 MHz ANT Input as mini as possible 1 kHz (100% MOD) FM SSG	ANT terminal 300Ω	TP11 on F-3062 Connect VTVM & Scope	TCA TCR on FM Pack	Max. Output	
7.	Signal Indicator	98 MHz ANT Input 15 dBf (9.8 dB) 1 kHz (100% MOD) FM SSG	Same as above	Signal Indicator	VR01 on F-3000	The second segment becomes luminous	Mode switch → FM AUTO * The ANT Input level at which muting turns off.

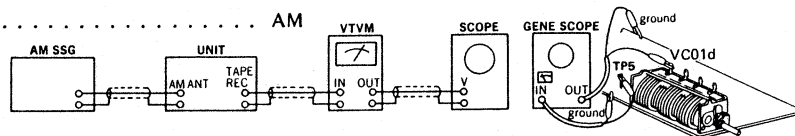
(2) FM STEREO Adjustment

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) SUB 1 kHz + Pilot (100% MOD) STEREO SG	ANT terminal 300Ω	Stereo Indicator	VR02 on F-3062		Center Position of lighting range
	PLL VCO Adj. In case of using counter	98 MHz ANT Input 65 dBf (59.8 dB) FM SSG (No MOD)	Same as above	Lead wire of R22 on F-3062	VR02 on F-3062	76 kHz ± 50 Hz	
2.	Separation	98 MHz ANT Input 65 dBf (59.8 dB) FM SSG Pilot 19 kHz (9% MOD) L Mode SUB 1 kHz Pilot (100% MOD) STEREO SG	Same as above	L-ch REC OUT connect VTVM & Scope			Read the output value of REC OUT
		Same as above	Same as above	R-ch REC OUT connect VTVM & Scope	VR01 on F-3062	Read value above -40 dB	Confirm Rch → Lch

2. AM IF Adjustment & Dial Calibration

Note: 1. Selector AM



STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
		FROM	TO				
1.	IF Coil	Genescope output 65 dB	VC4 on FM Pack	TP15 on F-3062	T03 on F-3062	Max. Output	
2.	600 kHz Dial Calibration	No Input		Dial Pointer	Tuning Knob	600 kHz	
		Same as above		Indication of digital display unit	L03 on F-3062	600 kHz	
3.	1400 kHz Dial Calibration	Same as above		Dial Pointer	Tuning knob	1400 kHz	
		Same as above		Indication of digital display unit	TC2 on FM Pack F-3062	1400 kHz	
4.	600 kHz RF Adj.	600 kHz ANT Input as mini as possible 1 kHz (30% MOD) AM SSG	ANT terminal 300Ω	REC OUT connect VTVM & Scope	L01 (Bar ANT)	Max. Output	
5.	1400 kHz RF Adj.	1400 kHz ANT Input as mini as possible 1 kHz (30% MOD) AM SSG	Same as above	Same as above	TC1 on FM Pack F-3062	Max. Output	
6.	Signal Indicator	1000 kHz ANT Input 80 dB 1 kHz (30% MOD) AM SSG	Same as above	Signal indicator lamp	VR02 F-3000	Make every 8 lamps lighting	

3. Driver Circuit Board Adjustments

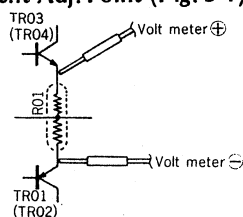
Note: 1. Master Volume Minimum

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.

STEP	SUBJECT	EQUIPMENT	MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
1.	DC 0V Adj. (L-ch)	DC Volt Meter	Output Terminal (L-ch)	VR05 F-3066	0V	No Input Signal
2.	DC 0V Adj. (R-ch)	Same as above	Output Terminal (R-ch)	VR06 F-3066	0V	No Input Signal
3.	Bias current Adj. (L-ch)	Same as above	See Fig. 3-1.	VR07 F-3066	4.5 mV (15 mA)	No Input Signal
4.	Bias current Adj. (R-ch)	Same as above	See Fig. 3-1.	VR08 F-3066	4.5 mV (15 mA)	No Input Signal

• Bias Current Adj. Point (Fig. 3-1)



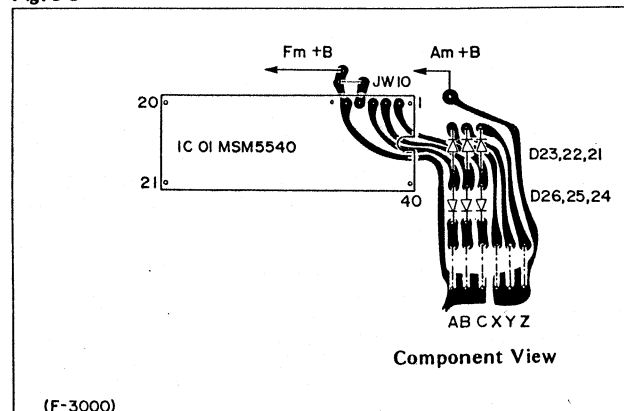
• Intermediate frequency of AM Section (See Figs. 3-2 & 3-3).

Since the band pass filter of both 450 kHz type and 455 kHz type are adaptable to the IF stage, pay attention for inserting position of jumper wire and a diode for setting the IF OFFSET ROM value when replacement.

Fig. 3-2.

Intermediate frequency	Stock No. of IF filter, T05 on F-2975	Inserting Position of jumper wire on F-3000	Inserting Position of Diode on F-3000
450 kHz	0910490	X	D23
455 kHz	4230680	Z	D21, D24

Fig. 3-3



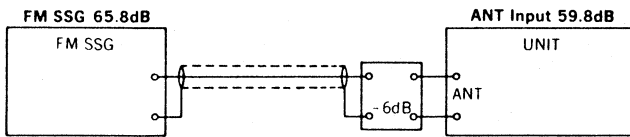
• **NEW MEASUREMENT FOR FM.**

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 of 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.



• **Abbreviations**

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

• **Selection of Intermediate Frequencies (FM) (Refer to Fig. 3-3 parts location F-3000 on page 3)**

The digital locking point differs with the frequency rank of the ceramic filter used in the F-3062. When the central frequency (shown by a color) of the ceramic filter is changed, the following connection must be made by using jumper wires:

- Unify the color marks of the FM ceramic filters (CF01 ~ CF02) on the F-3062 with the same color.
- Select the joints A, B, and C of F-3000 according to color marks as shown in the following table:

Colouring	Intermediate frequency	Connecting Position of Jumper wire on F-3000			Connecting Position of Diode on F-3000			
		A	B	C	Jumper wire Total Q'ty	D26	D25	D24
Black	10.64MHz			●	1			●
Brown	10.66MHz		●		1		●	
Blue	10.68MHz		●	●	2		●	●
Red	10.70MHz	●			1	●		
Orange	10.72MHz	●		●	2	●		●
Gray	10.74MHz	●	●		2	●	●	
White	10.76MHz	●	●	●	3	●	●	●

4. THREADING OF DIAL CORD

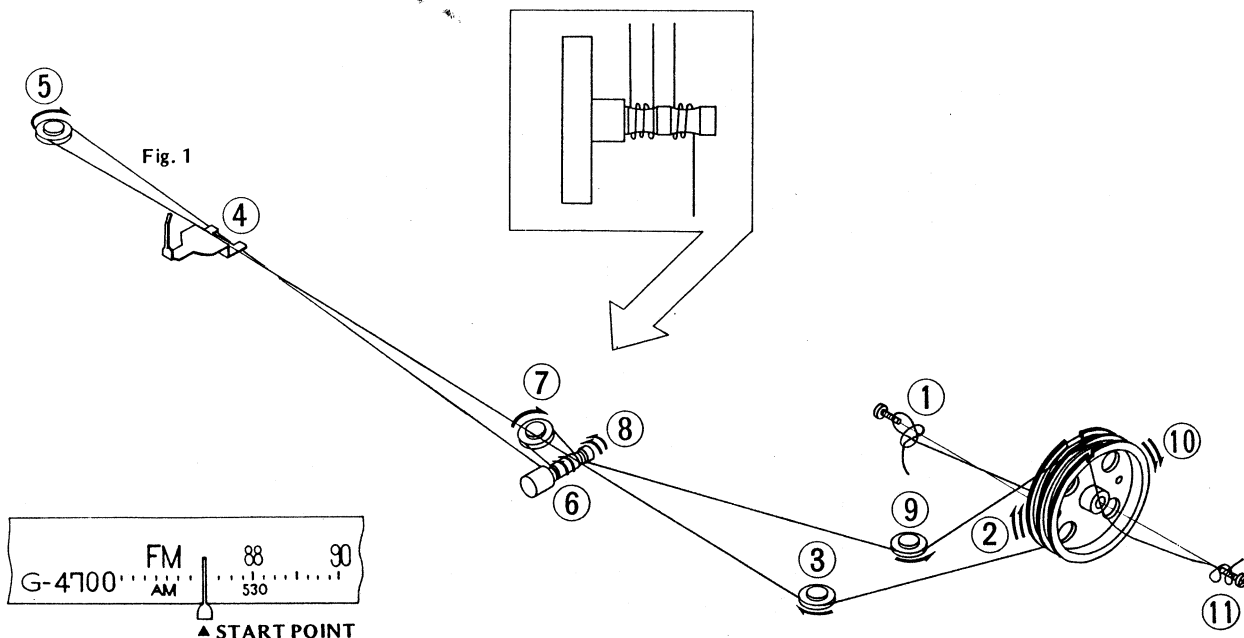
- If a dial cord is cut off or slips, replace it by following procedures. As this unit uses 0.5 mmφ cord, please replace it with the same type certainly.
- The length of dial cord is approximately 160 cm (65.3 inch).

1. Threading of Dial Cord

Thread the dial cord in numerical order from ① to ⑪ as Fig. 1.

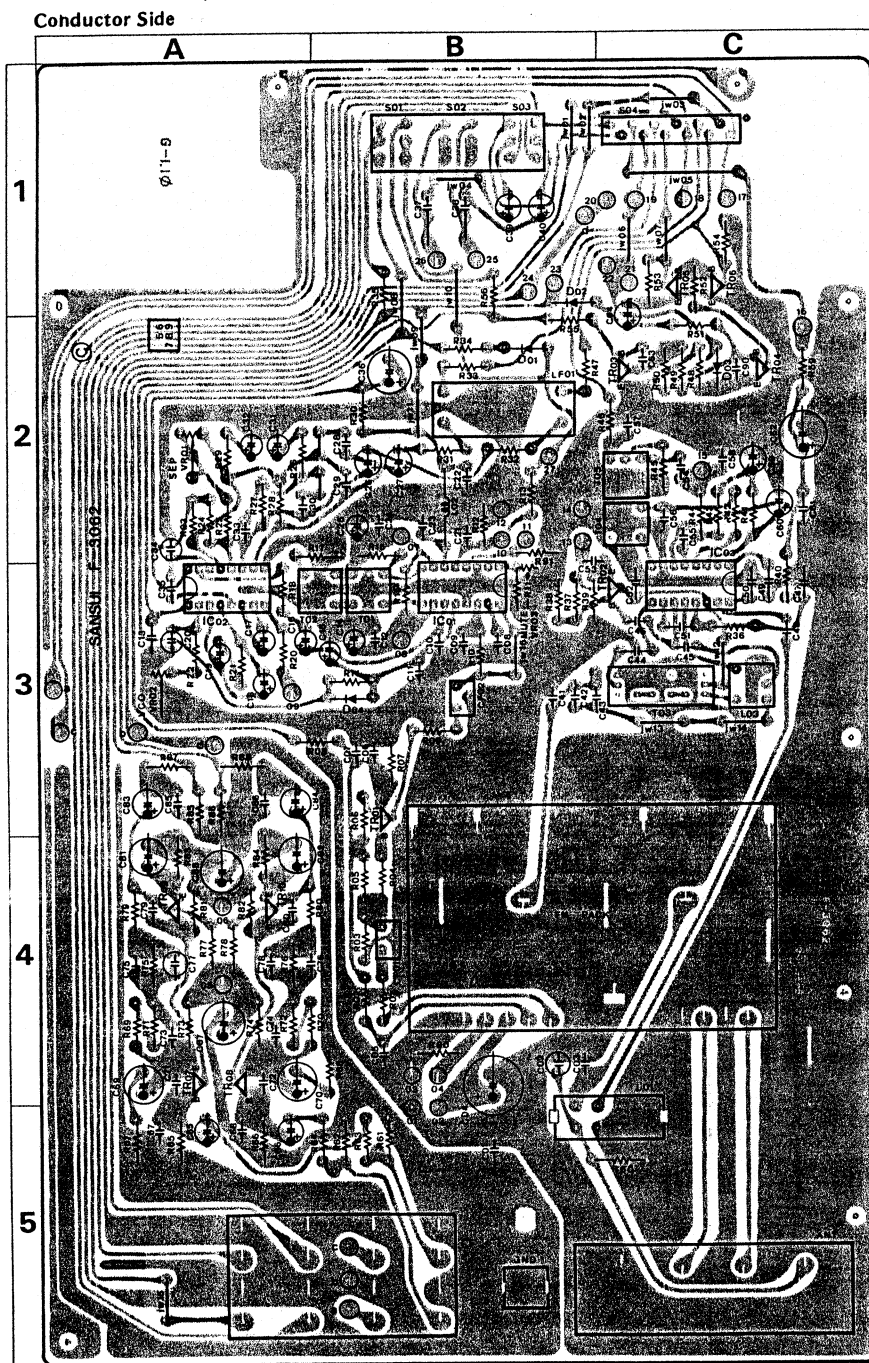
- Open the variable capacitor completely.

* Dial Cord (0.5 mmφ) Stock No. 6036051



5. PARTS LOCATION & PARTS LIST

5-1. F-3062 AM/FM Tuner & FM MPX Circuit Board (Stock No. 7522271)



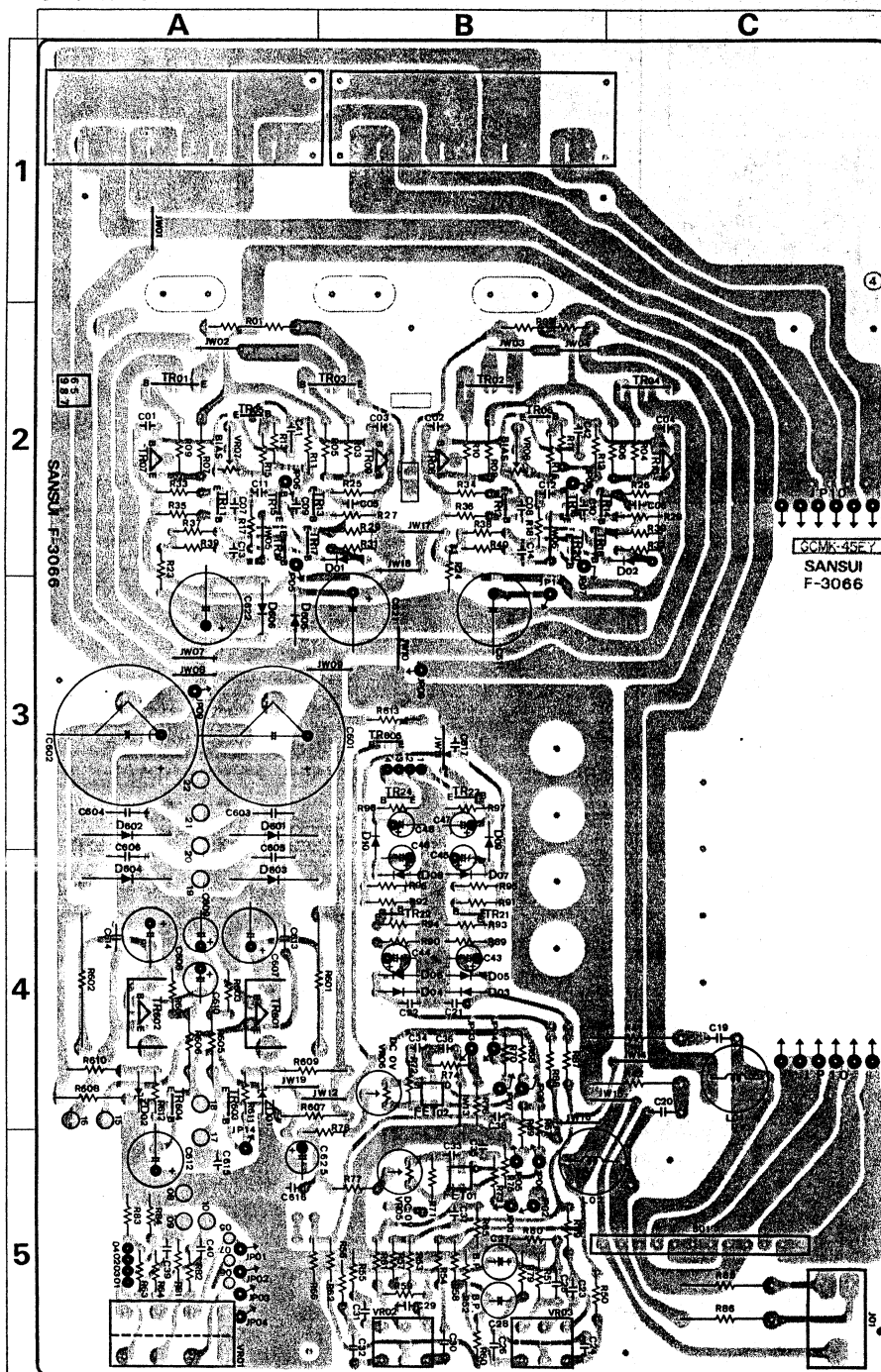
Since some of capacitors and resistors are omitted from parts lists in this Service Manual, refer to the Common Parts List for capacitors & resistors which was appended previously to each Sansui Manual.

Parts List

Parts No.	Stock No.	Description	Position
•Transistor			
TR01, 02	0306341, 2	2SC1674 L, K	3B, 3C
TR03	0305951, 2	2SC945 Q, P	2C
TR04	0300470	2SA726 (F)	2C
TR05, 06	0306581	2SC1634-6, 7	1C
TR07, 08	0300900, 1	2SA906 (G), (H)	4C
TR09, 10	0301171	2SA991-E	4C
	0306071	2SC1313 G	4A
•IC			
IC 01	0360750	μPC1167C	3B
IC 02	0360990	μPC1161C	3A
IC 03	0360800	LA1240	3C
•Diode			
D 01 ~ 04	0311160	1S2473D	1, 2, 3B, 2C
C 01	0860360	22000pF 50V C.C.	5B
C 02	0622682	6800pF 125V P.C.	4B
C 03	0860130	15pF 50V C.T.	4B
C 10	0860230	100pF 50V C.T.	3B
C 17	0573228	0.22μF 35WV Ta.C.	3A
C 18	0573339	3.3μF 35WV Ta.C.	3A
C 19	0573159	1.5μF 35WV Ta.C.	3A
C 20	0622471	470pF 125V P.C.	3A
C 28	0622751	750pF 125V P.C.	2B
C 30	0622751	750pF 125V P.C.	2A
C 34	0622471	470pF 125V P.C.	2A
C 41	0867190	22pF 50V C.T.	3B
C 42	0625391	390pF 50V P.C.	3B
C 43	0861110	10pF 50V C.T.	3B, C
C 67, 68	0860230	100pF 50V C.T.	5A
C 71, 72	0860290	330pF 50V C.T.	4A
C 77, 78	9622161	160pF 125V P.C.	4A
C 79, 80	0860170	33pF 50V C.T.	4A
C 85, 86	0860270	220pF 50V C.T.	3A
L 01	4201020, 1	Bar Antenna	5B, C
L 02	4290011	Peaking Coil	
L 03	4220710	O.S.C. Coil	3C
	4220730	O.S.C. Coil	
T 01	4236230	FM Detector Coil	3B
T 02	4236240	FM Detector Coil	3A, B
T 03	4230680	IF Coil	3C
T 04	4230620	IF Coil	2C
CF 01, 02	0910380	B.P.F.	4B, 3B
LF 01	0910220	L.P.F.	2B
VR01	1037110	220kΩ B Separation	2A
VR02	1037060	5kΩ V.C.O.	3A
S 01	1131060, 1	Push Switch	1B
	1101840	Selector Switch	
S 04	1101890	Selector Switch	1C
	2200410, 1	Input Terminal	
	2210330	Output Terminal	
	2230180	Grounding Terminal	
	7510780	Front End Pack	

5-2. F-3066 Main Amp & Power Supply Circuit Board (Stock No. 7503421)

Conductor Side

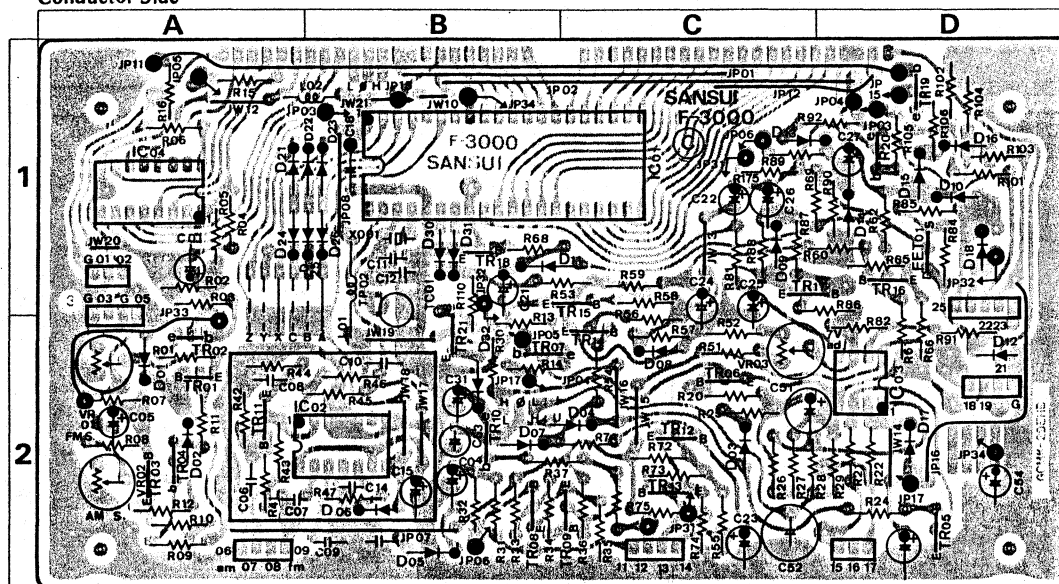


Parts List

Parts No.	Stock No.	Description	Position
•Transistor			
TR01, 02	0301180, 1	2SA1102 O, Y	2A, 2B
TR03, 04	0306870, 1	2SC2577 O, Y	2A, B, 2C
TR06, 06	0305951, 2	2SC945 Q, P	2A, 2B
TR07, 08	0303441, 2	2SB527 D, E	2A, 2B
TR09, 10	0306811, 2	2SD357 D, E	2B, 2C
TR11, 12	0306280	2SC1735 C, D	2A, 2B
TR13, 14	0300720, 1	2SA850 C, D	2A, 2B
TR15, 16	0306740, 1	2SC1845 F, E	2A, 2B
TR17, 18	0300720, 1	2SA850 C, D	2A, 2B
TR19, 20	0306740, 1	2SC1845 F, E	2A, 2B
TR21, 22	0305951, 2	2SC945 Q, P	4B
TR23, 24	0300510, 1	2SA733A P, Q	3B
TR601	0306811, 2	2SD357 D, E	4A
TR602	0303441, 2	2SB527 D, E	4A
TR603	0306521, 2	2SD438 E, F	4A
TR604	0303361, 2	2SB560MP E, F	4A
TR605	0306521, 2	2SD438 E, F	3B
•FET			
FET01, 02	0370311, 2	2SK129A L, M	5B, 4B
•Diode			
D 01, 02	0311160	1S2473D	2B, 2C
D 03, 04	0310330	1N60	4B
D 05 ~ 10	0311160	1S2473D	3, 4B
D 601 ~ 04	0311530	30D2	3, 4A
D 605, 606	0310340	10D1	3A
•Zener Diode			
ZD01, 02	0316070	EQA01-24R	4A
C 601, 602	0549119	8000µF 50V E.C.	3A, B
C 603 ~ 06	0655103	10000pF 500V C.C.	3, 4A
R 01, 02	0159200	0.15Ω x 2 Ce.R.	2A, 2B
R 03, 04	0192229	2.2Ω 1/2W F.R.	2B, 2C
R 05 ~ 08	0192221	220Ω 1/2W F.R.	2A, B, C
R 09, 10	0192229	2.2Ω 1/2W F.R.	2A, 2B
R 11, 12	0194390	39Ω 1/2W F.R.	2A, 2B
R 601	0135121	120Ω 5W Ce.R.	4B
R 602	0185331	330Ω 5W Ce.R.	4A
L 01, 02	4290370	1µH Filter Coil	4C, 5B, C
VR01	1011200	150kΩ B Volume	5A
VR02	1011201	250kΩ x 2 B Volume	5A
VR03	1015530, 1	100kΩ x 2 C Treble	5B
VR03	1015530, 1	100kΩ x 2 C Bass	5B
VR05, 06	1035010	100Ω B D.C. 0V	5B, 4B
VR07, 08	1037030	500Ω B Bias	2A, 2B
S 01	1101850	Power, speaker selector switch	5C
J 01	2430460	Jack	5C
	2210340	Output Terminal Board	

5-3. F-3000 Digitally Display Circuit Board (Stock No. 7597971)

Conductor Side



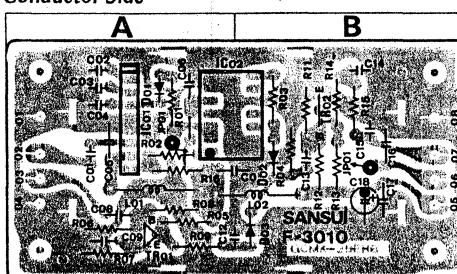
Parts List

Parts No.	Stock No.	Description	Position	Parts No.	Stock No.	Description	Position	Parts No.	Stock No.	Description	Position
•Transistor				TR19	0300510 ~ 2	2SA733A P, Q, R	1D	D 23	0311160	1S2473D	1B
TR01	0305951 ~ 3	2SC945 Q, P, K	2A	TR20	0300510 ~ 2	2SA733A P, Q, R	1D	D 26	0311160	1S2473D	1B
TR02	0300510 ~ 2	2SA733A P, Q, R	2A	TR21	0305951 ~ 3	2SC945 Q, P, K	2B	D 30	0311160	1S2473D	1B
TR03	0305951 ~ 3	2SC945 Q, P, K	2A	•IC				D 32	0311160	1S2473D	2B
TR04	0300510 ~ 2	2SA733A P, Q, R	2A	IC 01	0360910	MSM5540RS	1B	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				VR01	1035130	10kΩB, FM Meter Adjust	2A
TR08	0305951 ~ 3	2SC945 Q, P, K	2B	FET01	{0370300 ~ 3	2SK117 O, Y, GR, BL	1D	VR02	1035190	100kΩB, Meter Adjust	2A
TR09	0305951 ~ 3	2SC945 Q, P, K	2C		{0370340 ~ 7	2SK163 K1, K2, L1, L2, M1, M2, N1, N2		VR03	1035110	4.7kΩB, AFC Bias Adjust	2C
TR10	0300510 ~ 2	2SA733A P, Q, R	2B	•Diode				TC 01	1230150	30pF Trimmer Capacitor	1B
TR11	0305951 ~ 3	2SC945 Q, P, K	2C	D 02 ~ 10	0311160	1S2473D	1C, 2A, B, C	XO01	0930040	Xtal, 6.5536 MHz	1B
TR12	0305951 ~ 3	2SC945 Q, P, K	2C	D 11 ~ 12	0311160	1S2473D	1B, C, D, 2D				
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								

5-4. F-3010 Pre Scaler Circuit Board

(Stock No. 7597981)

Conductor Side



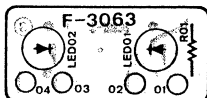
Parts List

Parts No.	Stock No.	Description	Position
•Transistor			
TR01	0306341, 2	2SC1674 L, K	A
TR02	0306341, 2	2SC1674 L, K	B
•IC			
IC 01	0361130	AN6821	A
IC 02	0361120	SN74LS90N	A
•Diode			
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

- The circuit boards, F-3063, F-3064, F-3065, F-3091, F-2716 & F-3092 are not supplied as the assembled, the individual parts on the circuit boards, however are provided for orders.

5-5. F-3063 Stereo & Quartz Lock Indicator Circuit Board

Conductor Side

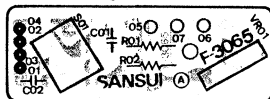


Parts List

Parts No.	Stock No.	Description
LD01	0319060	LED (RED) Stereo Ind.
LD02	0319050	LED (GREEN) Quartz Lock Ind.
	5299641	Diode Holder

5-7. F-3065 Balance Volume Circuit Board

Conductor Side

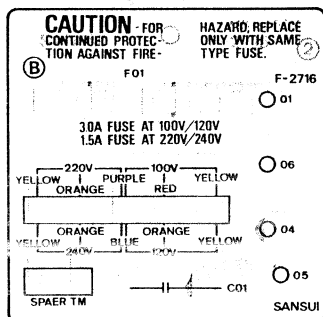


Parts List

Parts No.	Stock No.	Description
VR01	1005350, 1	250k Ω B Balance Volume
S 01	1131490, 1	Push Switch, loudness

5-9. F-2716 Voltage Selector Circuit Board

Conductor Side

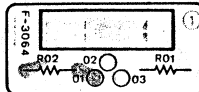


Parts List

Parts No.	Stock No.	Description
C 01	0659802	0.0047 μ F 150V C.C.
F 01	0432250	AC Fuse 2.5A 250V
	0432290	AC Fuse 5A 125V
	5616240	Capacitor Cover

5-6. F-3064 Input Terminal Board

Conductor Side

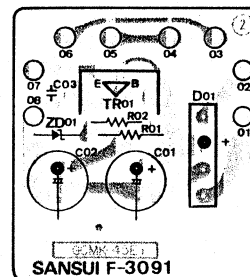


Parts List

Parts No.	Stock No.	Description
	2200560	2P Input Terminal

5-8. F-3091 Voltage Regulator Circuit Board

Conductor Side

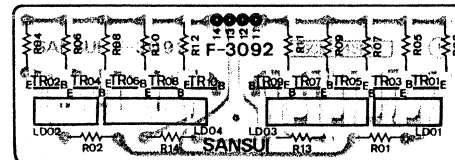


Parts List

Parts No.	Stock No.	Description
• Transistor		
TR01	0308611, 2	2SD367 D, E
• Diode		
D 01	0311700	RB-152
• Zener Diode		
ZD01	0315780	EQA01-06R
R 01	0210331	330 Ω 1/2W
PL 01	0400710	Lamp 8V 300 mA

5-10. F-3092 Power Indicator Circuit Board

Conductor Side



Parts List

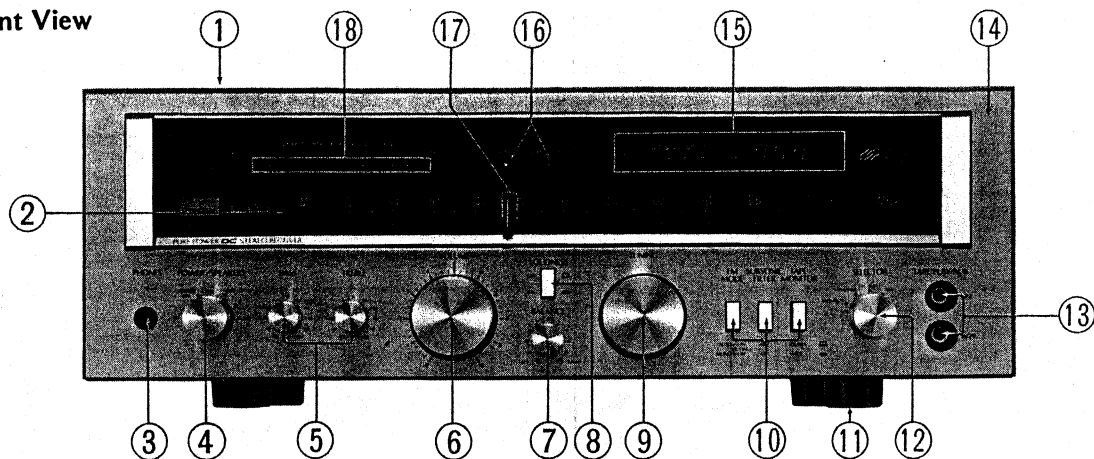
Parts No.	Stock No.	Description
• Transistor		
TR01 ~ 10	0300510, 1	2SA733A P, Q
LD01, 02	0319270	LED Peak Ind. (2)
LD03, 04	0319280	LED Peak Ind. (3)

• Abbreviations

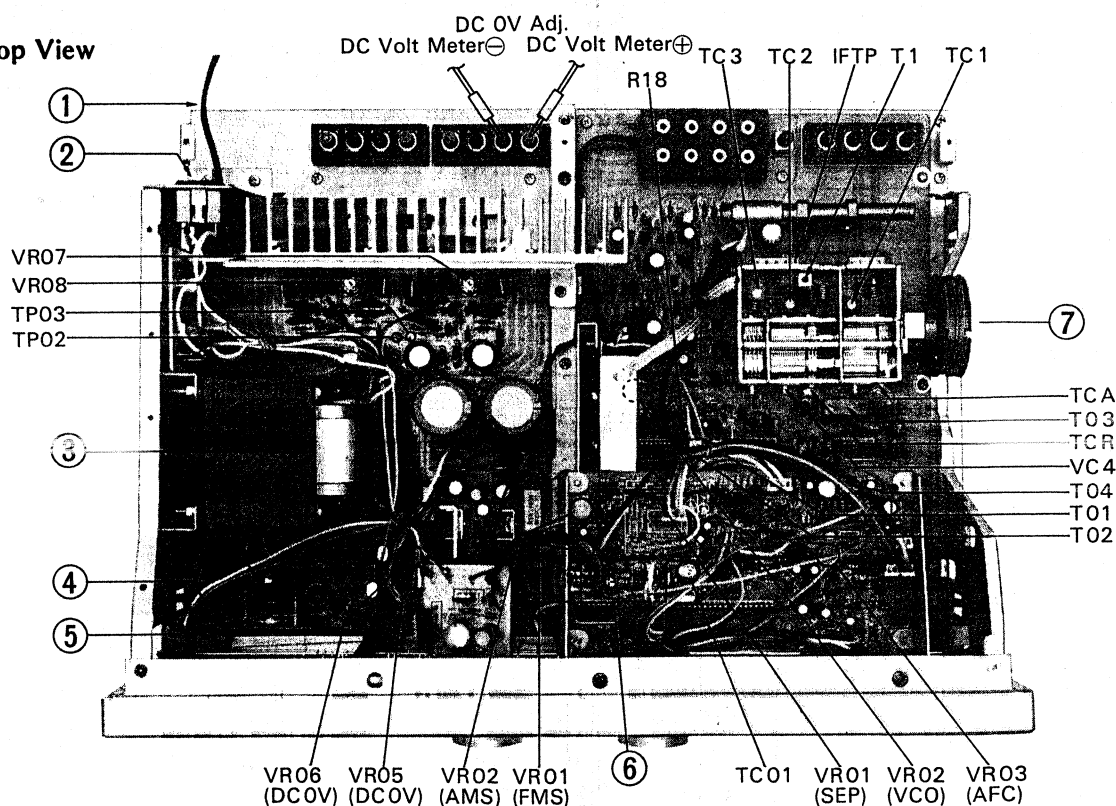
C.R. Carbon Resistor	E.L. Low Leak Electrolytic Capacitor
S.R. Solid Resistor	E.B. Bi-Polar Electrolytic Capacitor
Ce.R. Cement Resistor	E.B.L. Low Leak Bi-Polar Electrolytic Capacitor
M.R. Metal Film Resistor	Ta.C. Tantalum Capacitor
F.R. Fusing Resistor	F.C. Film Capacitor
N.I.R. Non-Inflammable Resistor	M.P. Metallized Paper Capacitor
C.C. Ceramic Capacitor	P.C. Polystyrene Capacitor
C.T. Ceramic Capacitor, Temperature Compensation	G.C. Gimmic Capacitor
E.C. Electrolytic Capacitor	

6. OTHER PARTS

6-1. Front View



6-2. Top View



Parts List <Front View>

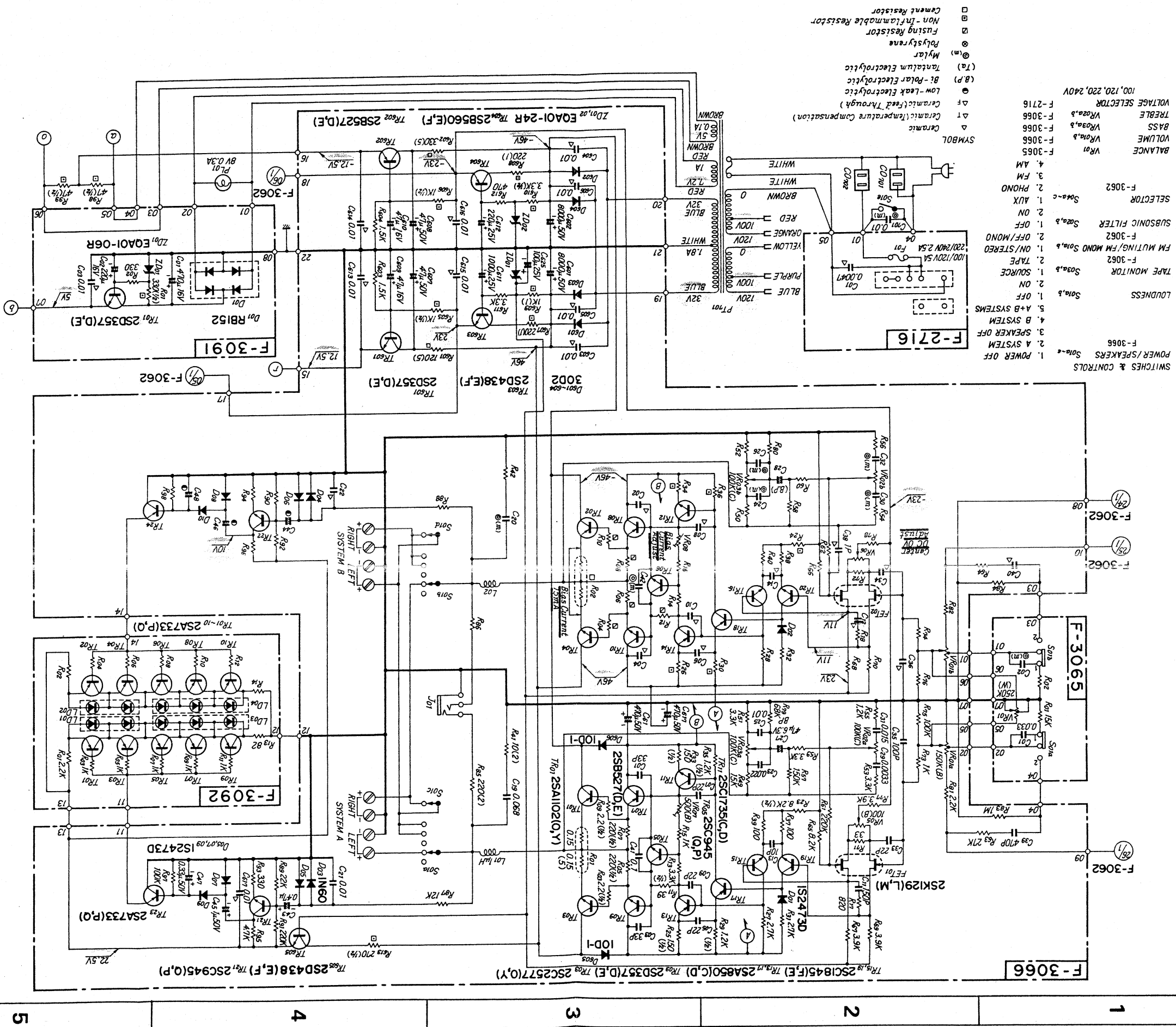
No.	Parts No.	Stock No.	Description
1		5727182	Wood Bonnet
2		5408730	Dial Scale
3	J 01	2430460	Jack, Headphone
4	S 04	1101850	Power, speaker selector switch
		5319470	Knob, power speaker selector
5	VR02, 03	1015330, 1	100k Ω Cx2 Bass, treble volume
		5319450	Knob, bass treble
6	VR01	1011200	150k Ω Bx2 Volume
		5319400	Knob, volume
7	VR01	1005350, 1	250k Ω B Balance Volume
		5319450	Knob, balance volume
8	S 01	1131490, 1	Push Switch, loudness
		5319450	Push Knob, loudness
9		7036590	Tuning Unit
		5319390	Knob, tuning
10	S 01 ~ 03	1131060	Push Switch/FM mode, subsonic, tape monitor
		5319390	Knob, FM mode, subsonic, tape monitor

No.	Stock No.	Description
11	5517250	Leg
12	S 04	1101840 Selector Switch
		1101890 Selector Switch
13		5319450 Knob, selector
14		2200560 2P Input Terminal
		7008420 Front Panel Ass'y
15		5305661 Dial Window
		5446460 Smoked Plate (Blue Filter)
16		0030060 Display Unit
		0319060 LED Stereo Indicator (RED)
		0319050 LED Quartz Lock Indicator (GREEN)
17		7116110 Dial Pointer
18		0319270 LED Peak Indicator (2)
		0319280 LED Peak Indicator (3)

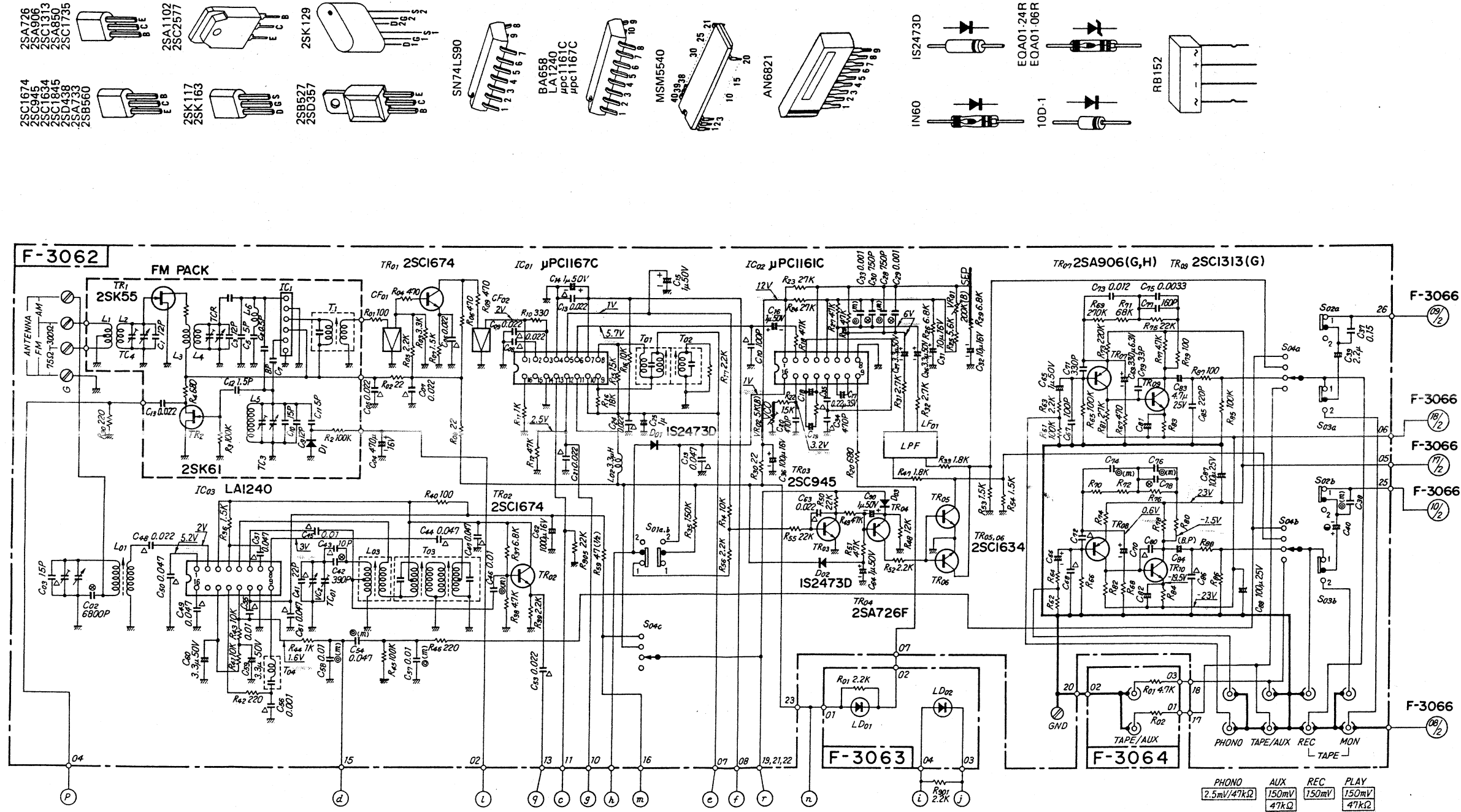
Parts List <Top View>

No.	Parts No.	Stock No.	Description
1		3800470, 1	Power Cord
2		3910600	Strain Relief
3		2450070	AC Outlet
4	PT 701	4003110	Power Transformer
5	C 701	0659801	0.01 μ F 150V C.C.
6		5616220	Capacitor Cover
7	PL 01	0400710	Lamp 8V 300 mA
		7136101	Tension Unit
		6146760	Pulley

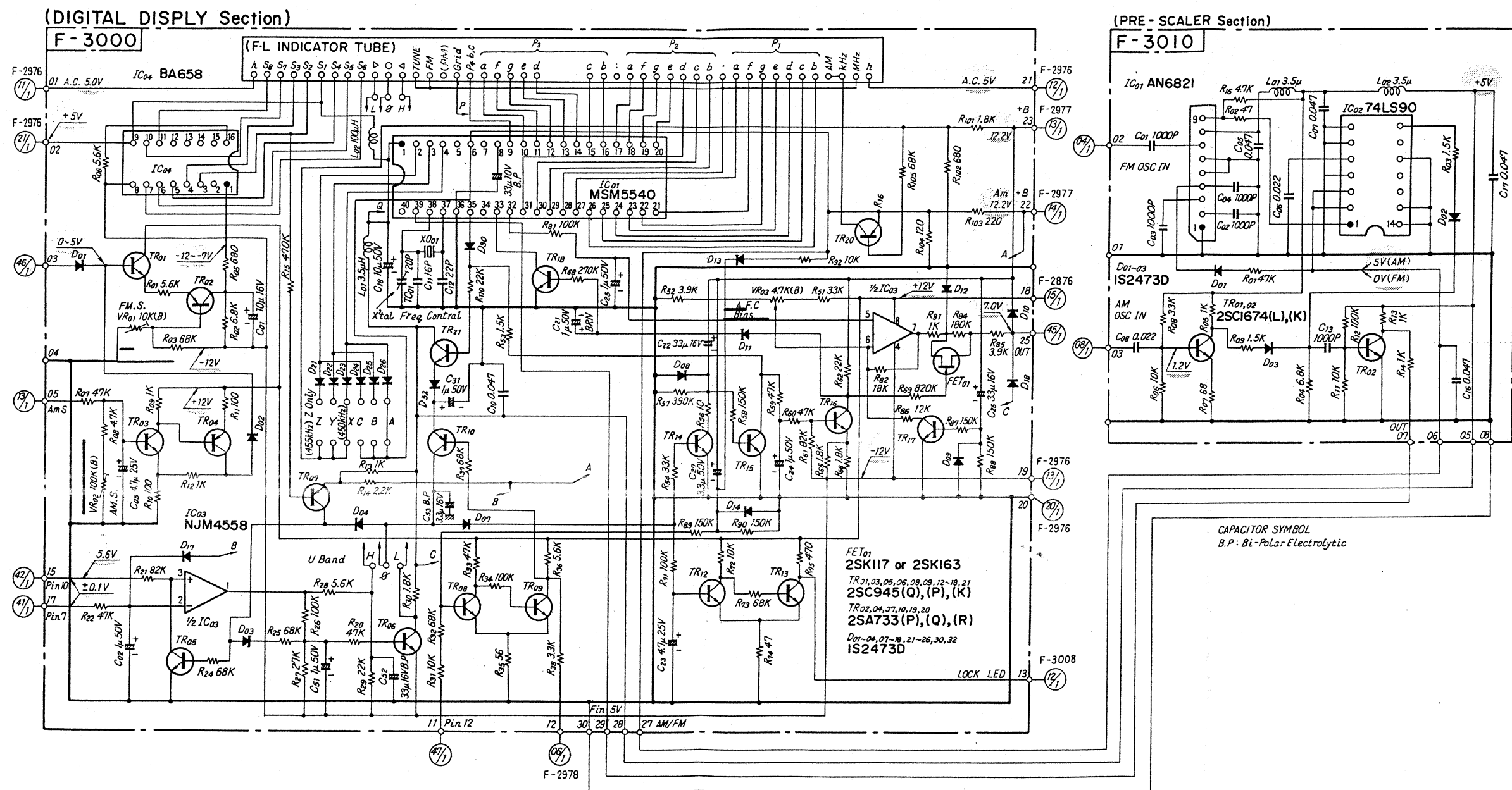
7. SCHEMATIC DIAGRAM 7-1. Audio Section



7-2. Tuner Section

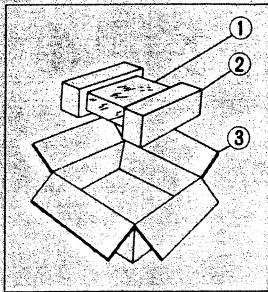


7-3. Display Section



8. PACKING LIST

Parts No.	Stock No.	Description
1	9116780	Vinyl Cover
2	9028090	Styrofoam Packing
3	9001941	Carton Case



9. ACCESSORY PARTS LIST

Stock No.	Description
9205040	Operating Instructions
9238230	Schematic Diagram
3820100	FM Antenna



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