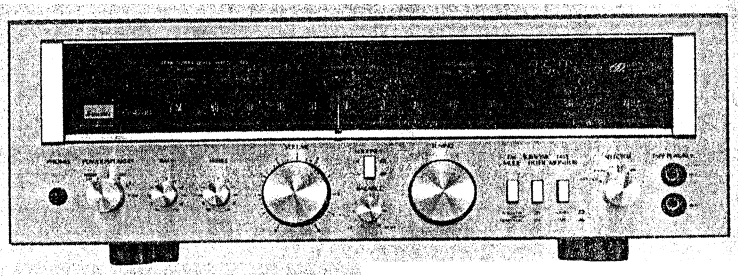
SERVICE MANUAL

AM/FM STEREO RECEIVER

SANSUI G-4700



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 0.05 % 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 μV)
DIN . . . . . 1.2 μV
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

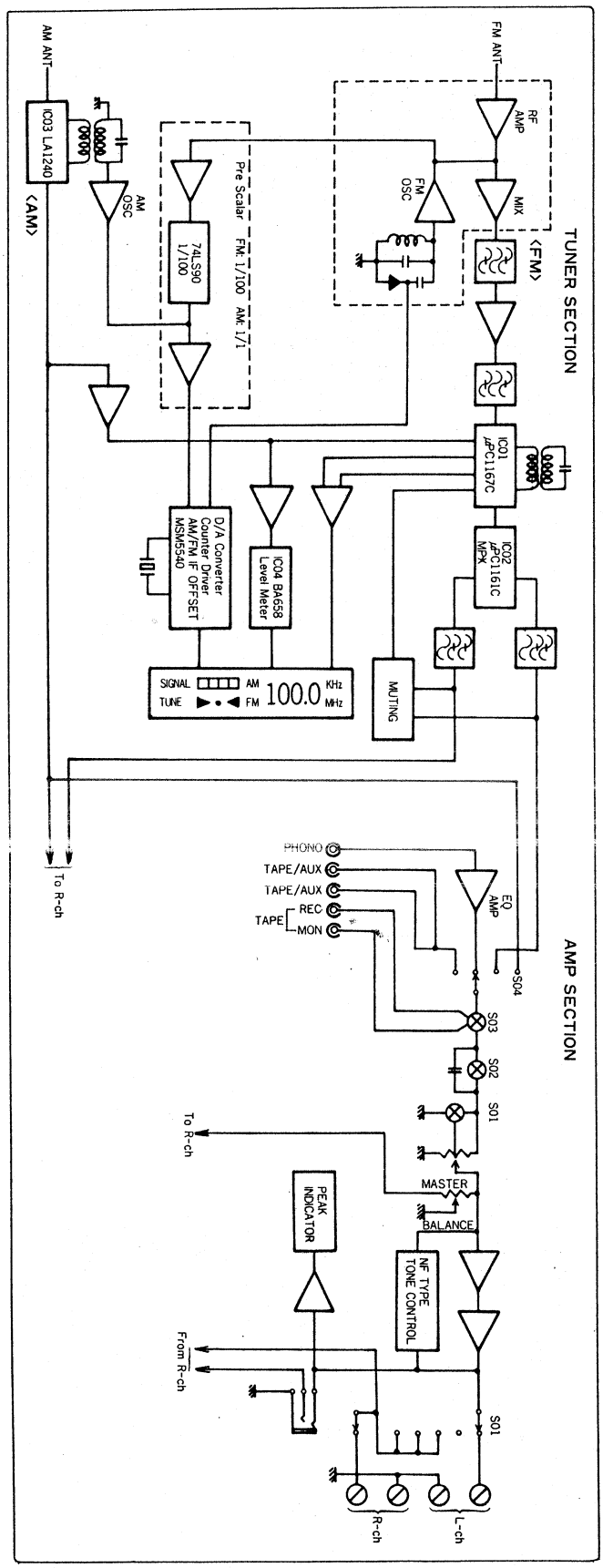
Tuning range . . . . . 530 to 1,600 kHz
Usable sensitivity (bar antenna)
. . . . . 50 dB/m (300 μV/m)
Selectivity . . . . . 33 dB
Signal to noise ratio . . 46 dB
Distortion (at 30 % Modulation, 80 dB/m)
. . . . . less than 0.5 %

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

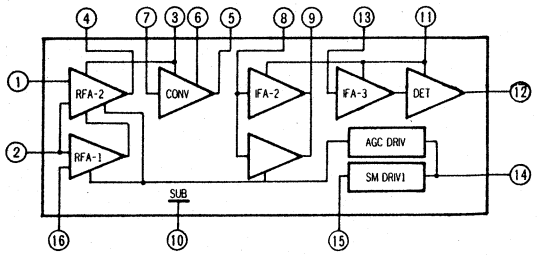
• Design and specifications subject to changes without notice for improvements.

1. BLOCK DIAGRAM

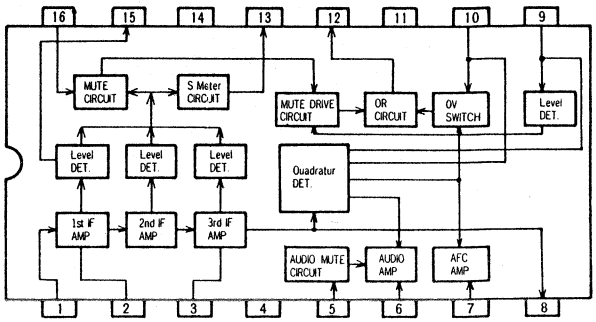


2. INTERIOR BLOCK DIAGRAM OF IC

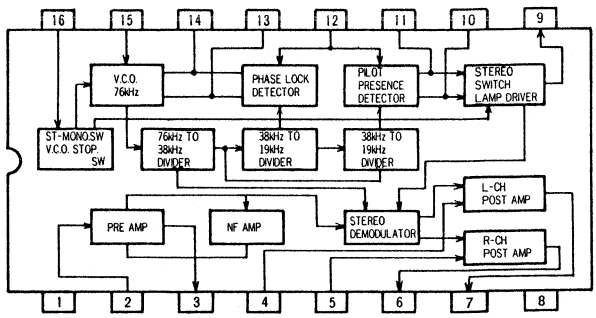
- LA-1240 (AM Tuner IC)



- μPC1167C (Quadratur Detector IC)



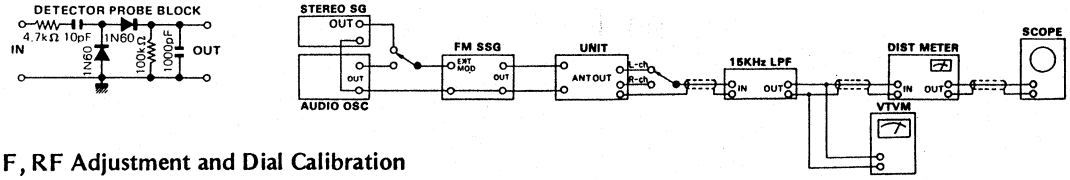
- μPC1161C (MPX IC)



3. ADJUSTMENTS (See Top View on Page 8)

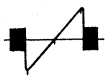
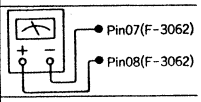
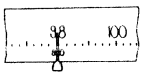
1. FM Adjustment

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 FROM	FEED SIGNAL TO	MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
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 SIGNAL□□ * The ANT Input level at which muting turns off.

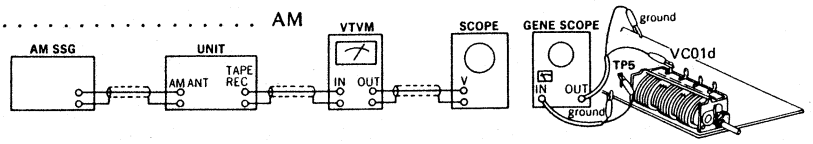
(2) FM STEREO Adjustment

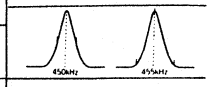
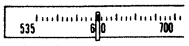
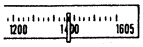
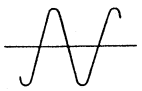
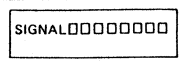
Note: Selector . . . . . FM AUTO

STEP	SUBJECT	FEED SIGNAL FROM	FEED SIGNAL TO	MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
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



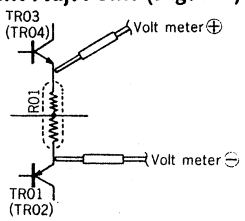
STEP	SUBJECT	FEED SIGNAL FROM	FEED SIGNAL TO	MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
1.	IF Coil	Genescope output 65 dB	VC4 on FM Pack	TP15 on F-3062	T03 on F-3062	Max. Output	
2.	600 kHz Dial Calibration	No Input		Dial Pointer	Tuning Knob	600 kHz	
		Same as above		Indication of digital display unit	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)



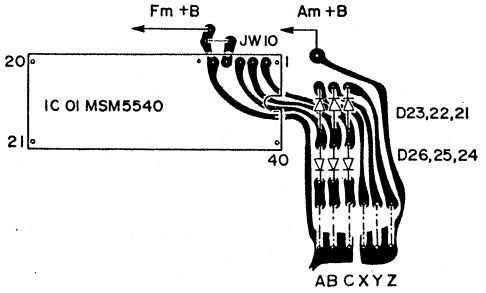
• Intermediate frequency of AM Section (See Figs. 3-2 & 3-3).

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



Component View

(F-3000)

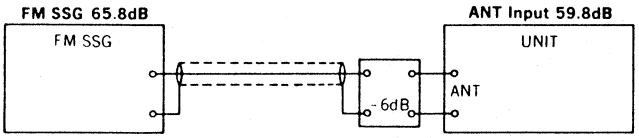
• NEW MEASUREMENT FOR FM.

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 attenuater 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.



• 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	Diode Total Q'ty
Black	10.64MHz			●	1			●	1
Brown	10.66MHz		●		1		●		1
Blue	10.68MHz		●	●	2		●	●	2
Red	10.70MHz	●			1	●			1
Orange	10.72MHz	●		●	2	●		●	2
Gray	10.74MHz	●	●		2	●	●		2
White	10.76MHz	●	●	●	3	●	●	●	3

• Abbreviations

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

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**

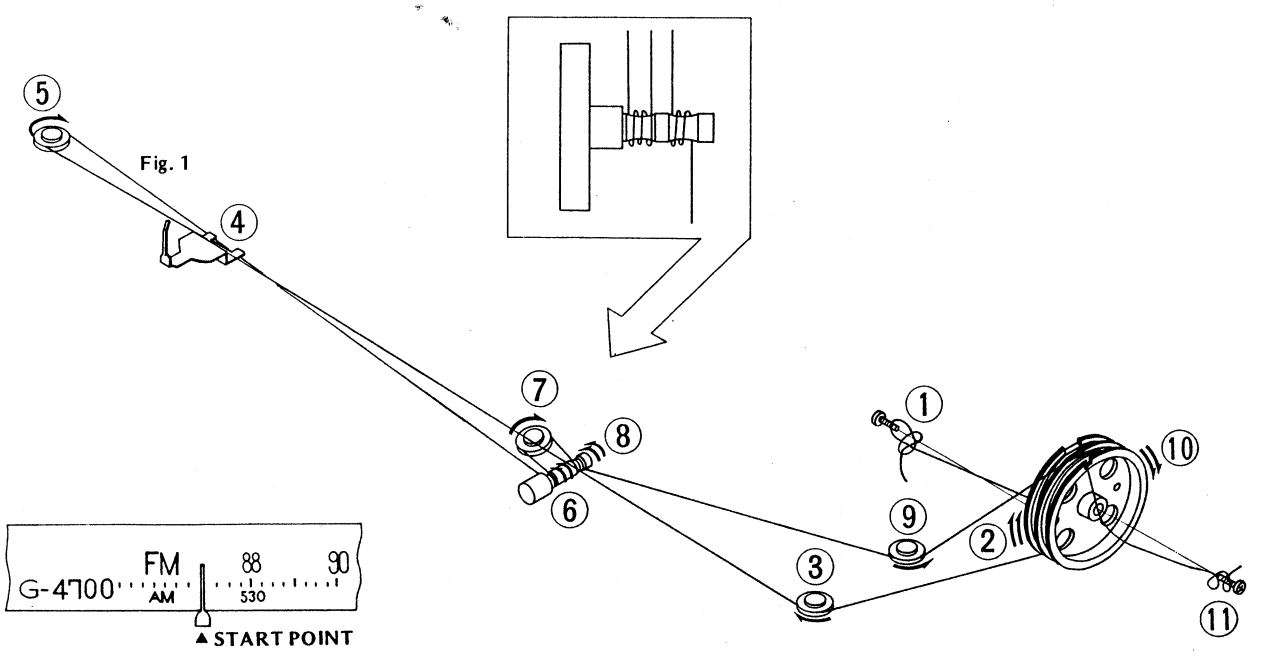
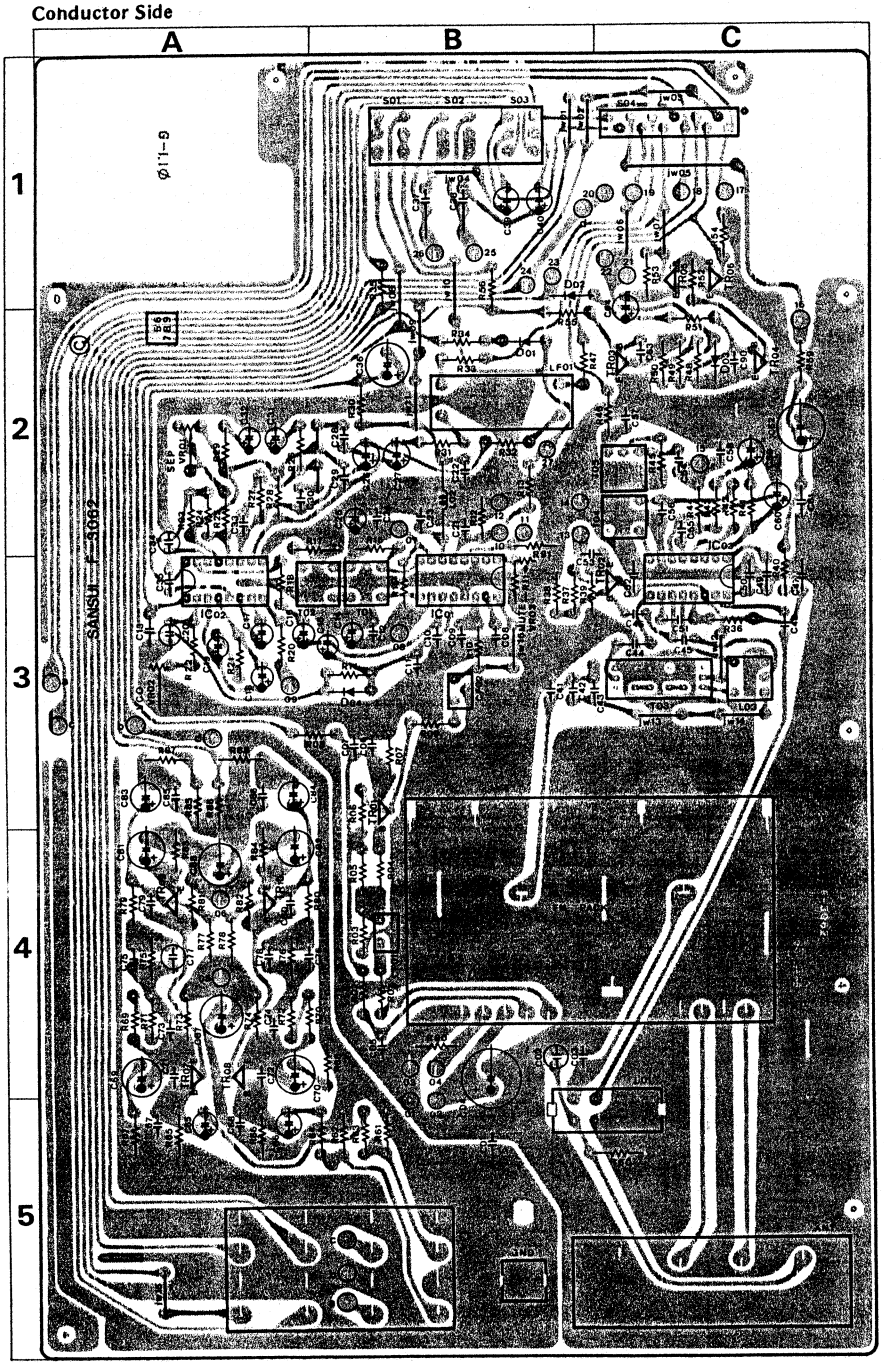


Fig. 1

5. PARTS LOCATION & PARTS LIST

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

Conductor Side



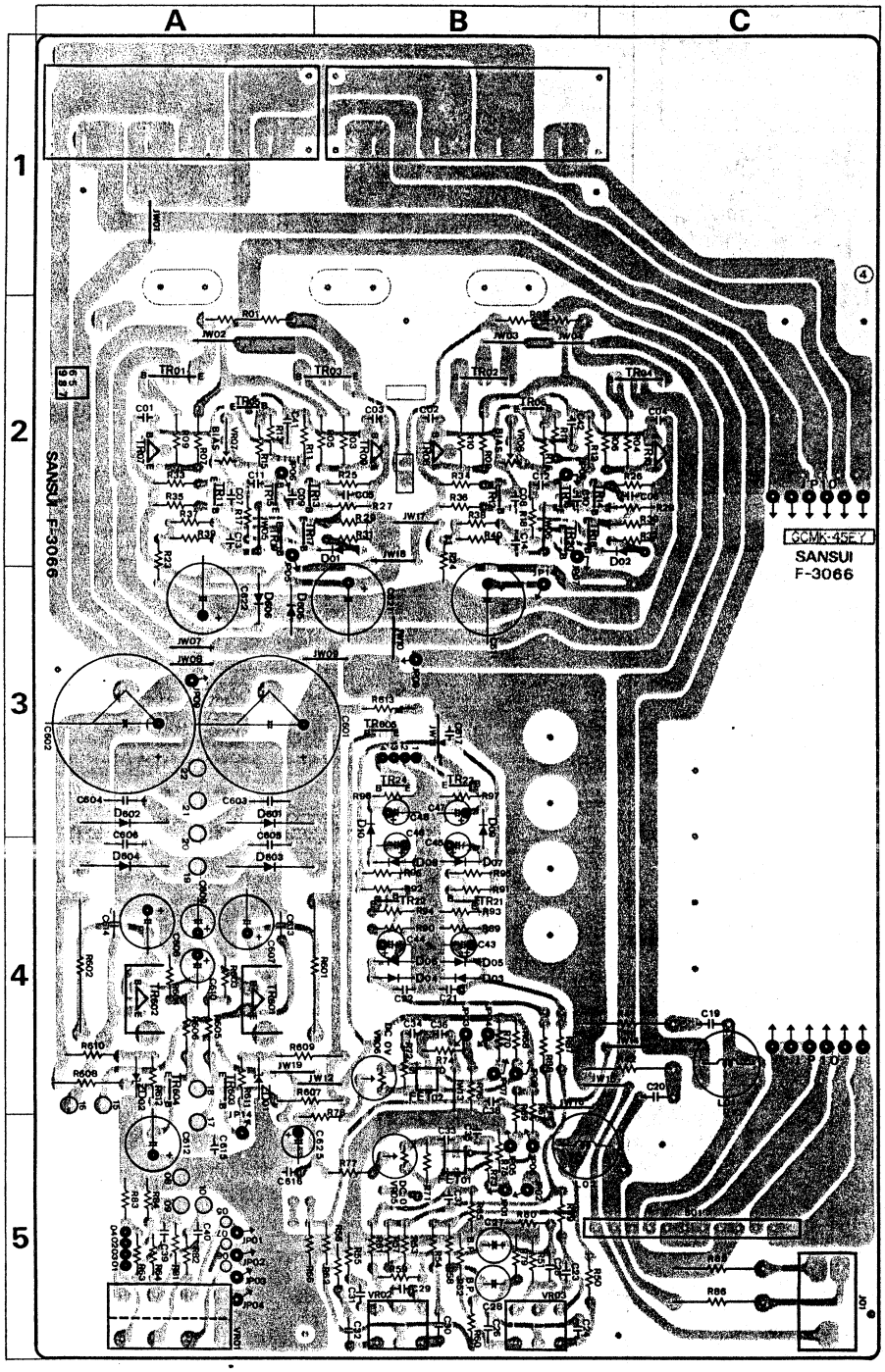
Since some of capacitors and resistors are omitted from parts lists in this Service Manual, refer to the Common Parts List for capacitors & resistors which was appended previously to each Sansui Manual.

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 0301171	2SA906 (G), (H) 2SA991-E	4C
TR09, 10	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 4220730	O.S.C. Coil O.S.C. Coil	3C
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
S 04	1101840 1101890	Selector Switch 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

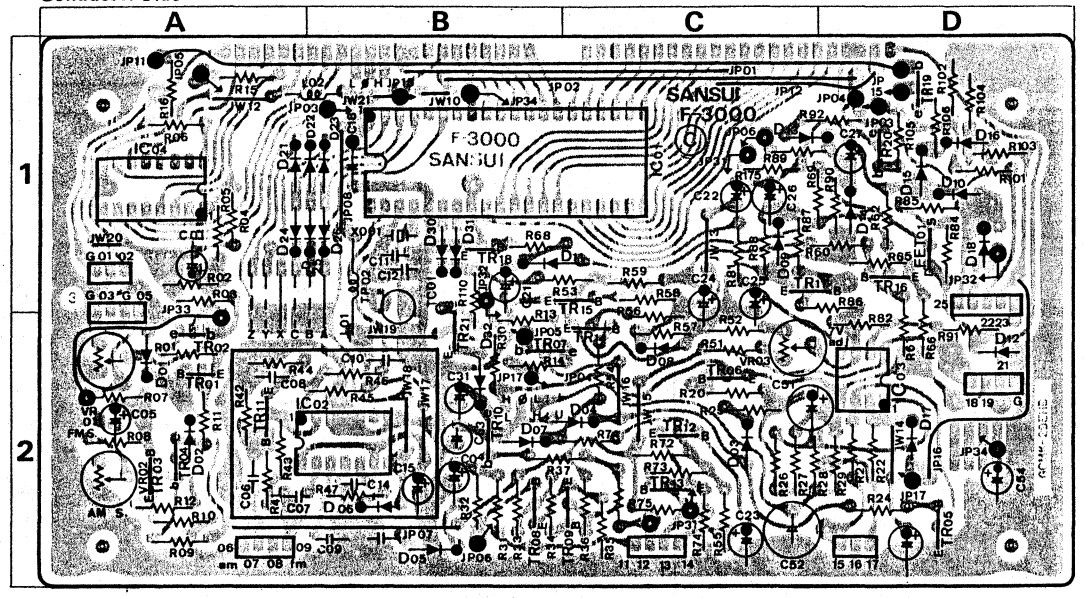


Parts List

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
TR05, 06	0306951, 2	2SC945 Q, P	2A,2B
TR07, 08	0303441, 2	2SB527 D, E	2A,2B
TR09, 10	0308611, 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	0306951, 2	2SC945 Q, P	4B
TR23, 24	0300510, 1	2SA733A P, Q	3B
TR601	0308611, 2	2SD357 D, E	4A
TR602	0303441, 2	2SB527 D, E	4A
TR603	0308521, 2	2SD438 E, F	4A
TR604	0303361, 2	2SB560MP E, F	4A
TR605	0308521, 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
	1011201	250kΩ x 2 B Volume	
VR02	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

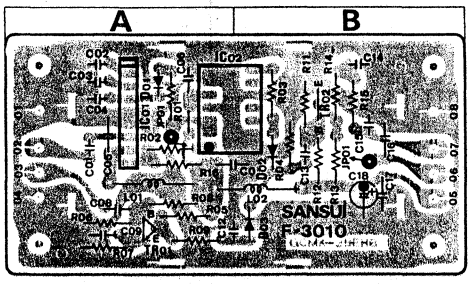


Parts List

Parts No.	Stock No.	Description	Position
•Transistor			
TR01	0305951 ~ 3	2SC945 Q,P,K	2A
TR02	0300510 ~ 2	2SA733A P,Q,R	2A
TR03	0305951 ~ 3	2SC945 Q,P,K	2A
TR04	0300510 ~ 2	2SA733A P,Q,R	2A
TR05	0305951 ~ 3	2SC945 Q,P,K	2D
TR06	0305951 ~ 3	2SC945 Q,P,K	2C
TR07	0300510 ~ 2	2SA733A P,Q,R	2B
TR08	0305951 ~ 3	2SC945 Q,P,K	2B
TR09	0305951 ~ 3	2SC945 Q,P,K	2C
TR10	0300510 ~ 2	2SA733A P,Q,R	2B
TR12	0305951 ~ 3	2SC945 Q,P,K	2C
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
TR19	0300510 ~ 2	2SA733A P,Q,R	1D
TR20	0300510 ~ 2	2SA733A P,Q,R	1D
TR21	0305951 ~ 3	2SC945 Q,P,K	2B
•IC			
IC 01	0360910	MSM5540RS	1B
IC 03	0360770	NJM4558D	2D
IC 04	0360830	BA658	1A
•FET			
FET01	0370300 ~ 3 0370340 ~ 7	2SK117 O,Y,GR,BL 2SK163 K1, K2, L1, L2, M1, M2, N1, N2	1D
•Diode			
D 02 ~ 10	0311160	1S2473D	1C,2A,B,C
D 11 ~ 18	0311160	1S2473D	1B,C,D,2D
D 23	0311160	1S2473D	1B
D 26	0311160	1S2473D	1B
D 30	0311160	1S2473D	1B
D 32	0311160	1S2473D	2B
C 11	0669508	8pF 50V C.C.	1B
C 12	0661220	22pF 50V C.C.	1B
L 01	4290011	3.5μH Choke Coil	1B
VR01	1035130	10kΩB, FM Meter Adjust	2A
VR02	1035190	100kΩB, Meter Adjust	2A
VR03	1035110	4.7kΩB, AFC Bias Adjust	2C
TC01	1230150	30pF Trimmer Capacitor	1B
XO01	0930040	Xtal, 6.5536 MHz	1B

5-4. F-3010 Pre Scaler Circuit Board

Conductor Side (Stock No. 7597981)



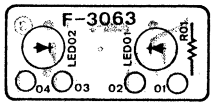
Parts List

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

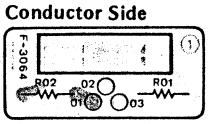


Parts List

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

5-6. F-3064 Input Terminal Board

Conductor Side

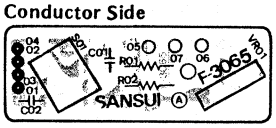


Parts List

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

5-7. F-3065 Balance Volume Circuit Board

Conductor Side

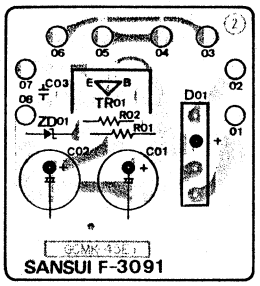


Parts List

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

5-8. F-3091 Voltage Regulator Circuit Board

Conductor Side

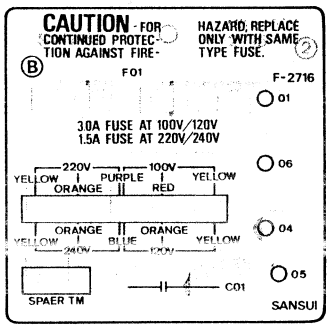


Parts List

Parts No.	Stock No.	Description
●Transistor		
TR01	0308611, 2	2SD357 D, E
●Diode		
D 01	0311700	RB-152
●Zener Diode		
ZD01	0315760	EQA01-06R
R 01	0210331	330Ω 1/2W
PL 01	0400710	Lamp 8V 300 mA

5-9. F-2716 Voltage Selector Circuit Board

Conductor Side

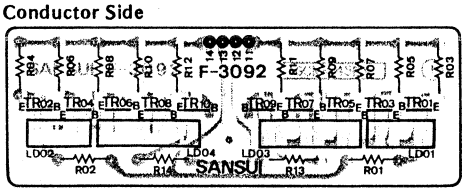


Parts List

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

5-10. F-3092 Power Indicator Circuit Board

Conductor Side



Parts List

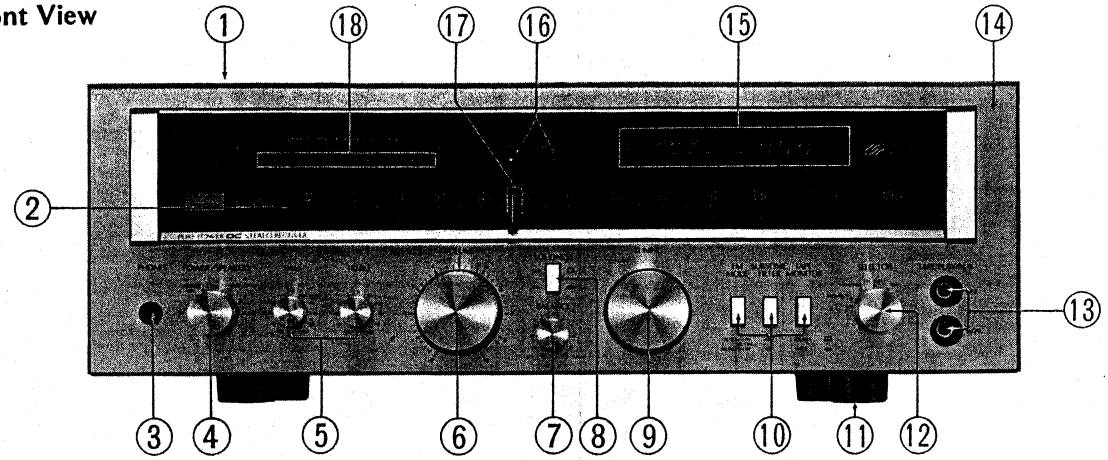
Parts No.	Stock No.	Description
●Transistor		
TR01 ~ 10	0300510, 1	2SA733A P, Q
LD01, 02	0319270	LED Peak Ind. (2)
LD03, 04	0319280	LED Peak Ind. (3)

●Abbreviations

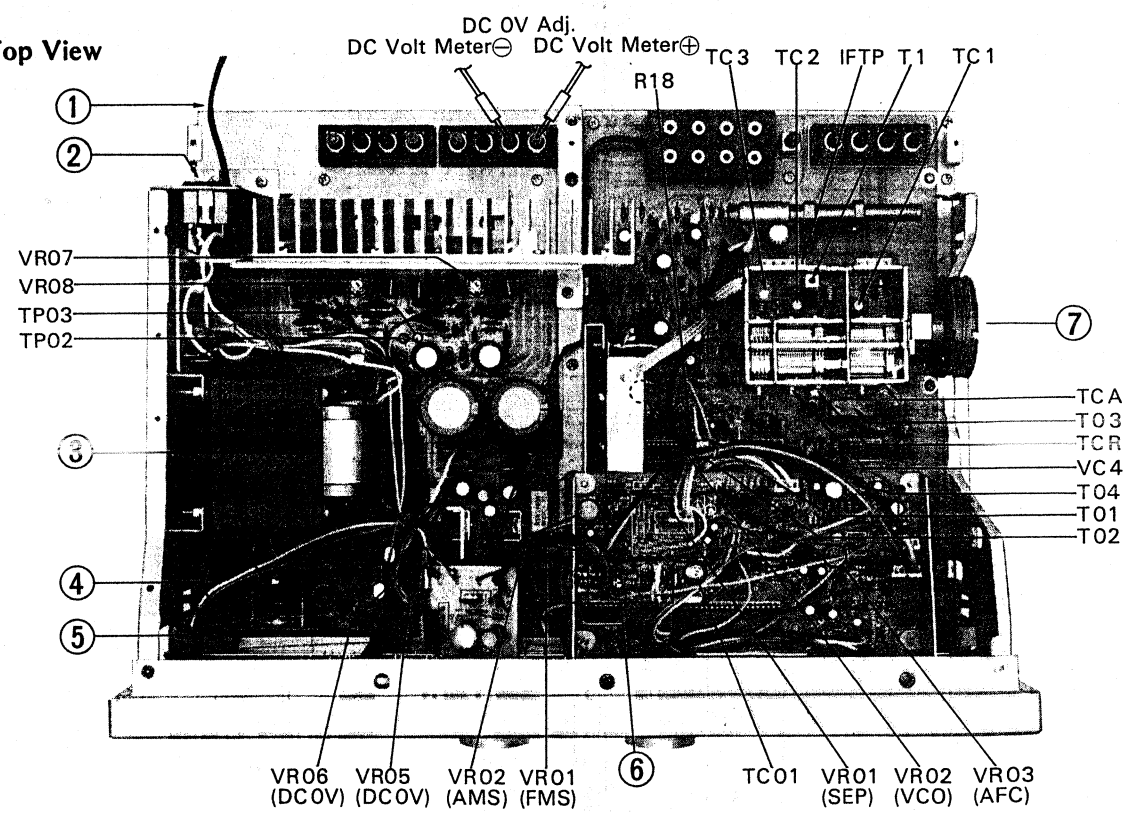
C.R.	Carbon Resistor
S.R.	Solid Resistor
Ce.R.	Cement Resistor
M.R.	Metal Film Resistor
F.R.	Fusing Resistor
N.I.R.	Non-Inflammable Resistor
C.C.	Ceramic Capacitor
C.T.	Ceramic Capacitor, Temperature Compensation
E.C.	Electrolytic Capacitor
E.L.	Low Leak Electrolytic Capacitor
E.B.	Bi-Polar Electrolytic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

6. OTHER PARTS

6-1. Front View



6-2. Top View



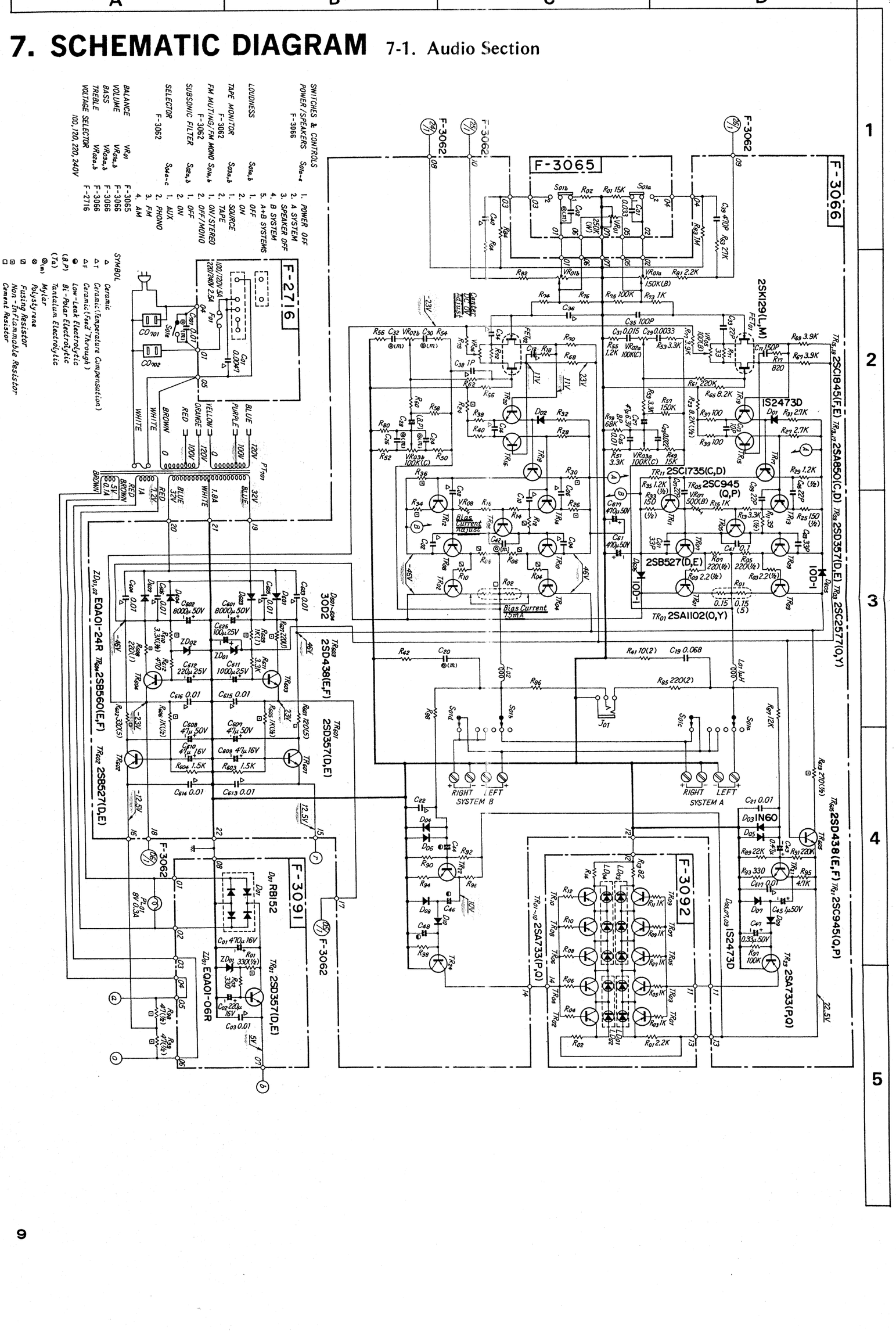
Parts List 〈Front View〉

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	100kΩ Cx2 Bass, treble volume
		5319450	Knob, bass treble
6	VR01	1011200	150kΩ Bx2 Volume
		5319400	Knob, volume
7	VR01	1005350, 1	250kΩ 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
11		5517250	Leg
12	S 04	1101840	Selector Switch
		1101890	Selector Switch
		5319450	Knob, selector
13		2200560	2P Input Terminal
14		7008420	Front Panel Ass'y
		5305661	Dial Window
15		5446460	Smoked Plate (Blue Filter)
		0030060	Display Unit
16		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
		3910600	Strain Relief
2		2450070	AC Outlet
3	PT 701	4003110	Power Transformer
4	C 701	0659801	0.01μF 150V C.C.
		5616220	Capacitor Cover
5	PL 01	0400710	Lamp 8V 300 mA
6		7136101	Tension Unit
7		6146760	Pulley

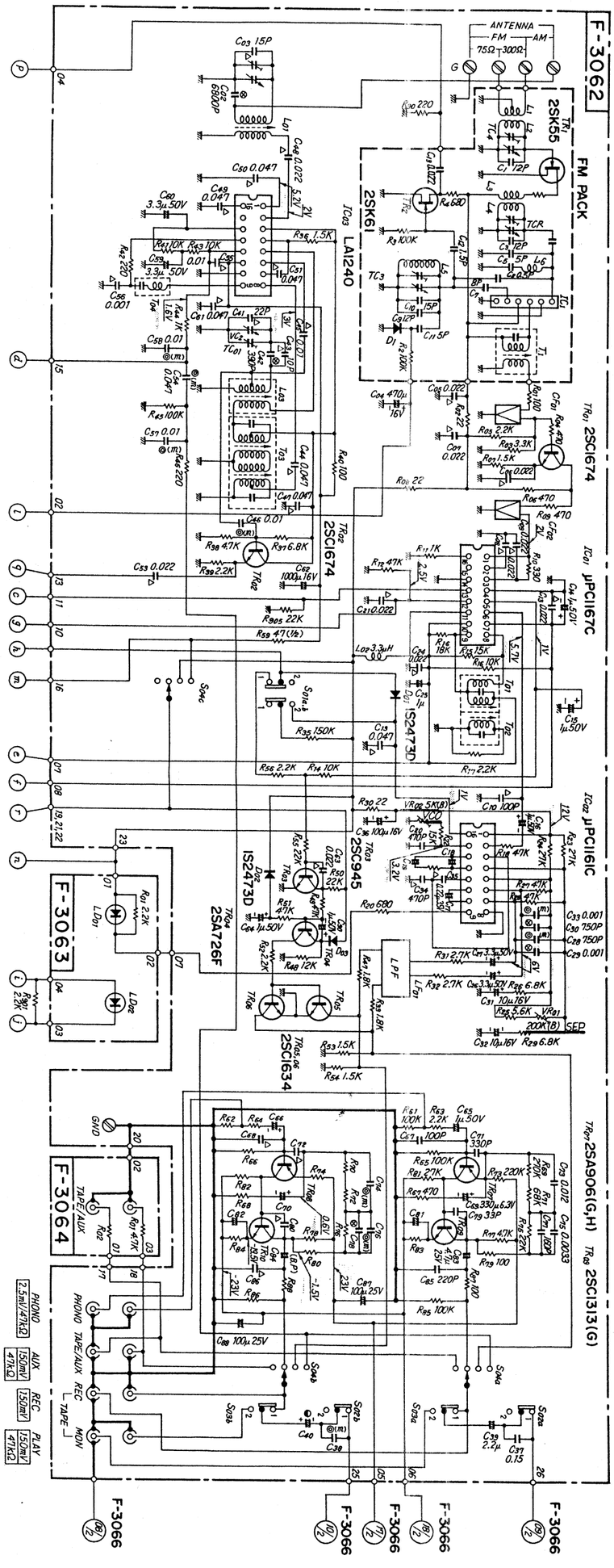
7. SCHEMATIC DIAGRAM 7-1. Audio Section



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

A | B | C | D

7-2. Tuner Section



2SC1674
2SC945
2SC1634
2SC1845
2SD438
2SA733
2SB560

2SA726
2SA906
2SC1313
2SA850
2SC1735

2SK117
2SK163

2SA1102
2SC2577

2SB527
2SD357

2SK129

SN74LS90

BA658
LA1240
μpc1161C
μpc1167C

MSM5540

AN6821

IN60

IS2473D

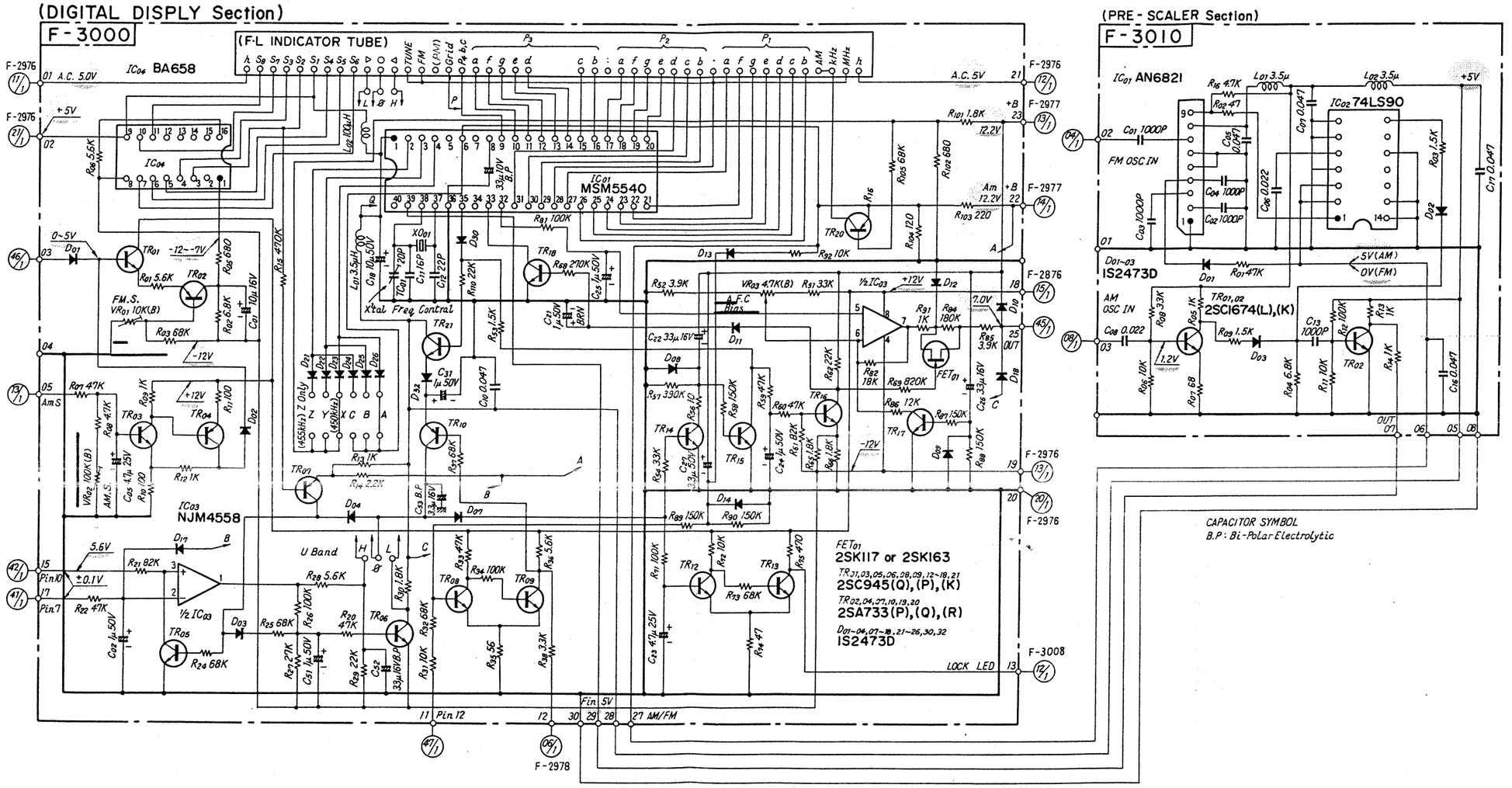
EQA01-24R
EQA01-06R

10D-1

RB152

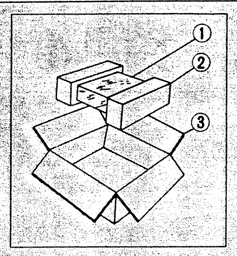
1 | 2 | 3 | 4 | 5

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

Sansui

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