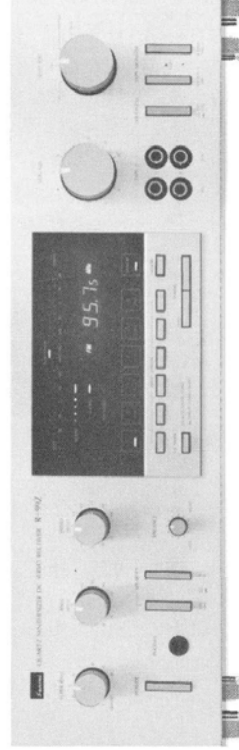


SERVICE MANUAL

QUARTZ SYNTHESIZER DC SERVO RECEIVER

SANSUI R-99Z



● SPECIFICATIONS

Audio section

Power output

Min. RMS, both channels driven, from 30 to 20,000 Hz with no more than 0.05 % total harmonic distortion.
30 watts per channel into 8 ohms

Total harmonic distortion

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

Frequency response (at 1 watt)

..... 10 to 60,000 Hz, +1 dB, -3 dB

Input sensitivity and impedance (at 1 kHz)

PHONO 2.5 mV/47 kilohms

AUX, TAPE PLAY . . . 150 mV/47 kilohms

Output level (at 1 kHz)

TAPE REC 150 mV

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

PHONO 73 dB

AUX, TAPE PLAY . . . 90 dB

FM section

Tuning range 87.5 to 108 MHz

Usable sensitivity

Mono IHF 10.8 dBf (1.9 μ V)

DIN 1.0 μ V

50 dB quieting sensitivity

Stereo 37-dBf

Signal to noise ratio (at 65 dBf)

Mono 72 dB

Stereo 68 dB

Distortion (at 65 dBf)

Mono less than 0.25 % at 1,000 Hz

Stereo less than 0.35 % at 1,000 Hz

Stereo separation 40 dB at 1,000 Hz

Antenna input impedance

..... 300 ohms balanced

..... 75 ohms unbalanced

AM section

Tuning range 520 to 1,610 kHz (10 kHz)

..... 522 to 1,602 kHz (9 kHz)

Usable sensitivity (bar antenna)

..... 50 dB/m (300 μ V/m)

Signal to noise ratio . . . 45 dB

Others

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

For U.S.A. and Canada

..... 120 V (60 Hz)

Power consumption . . . 150 watts 190 VA Rated

..... 210 watts Maximum

Dimensions 430 mm (16-15/16") W

..... 132 mm (5-1/4") H

..... 254 mm (10") D

Weight 5.6 kg (12.3 lbs.) net

..... 6.4 kg (14.1 lbs.) packed

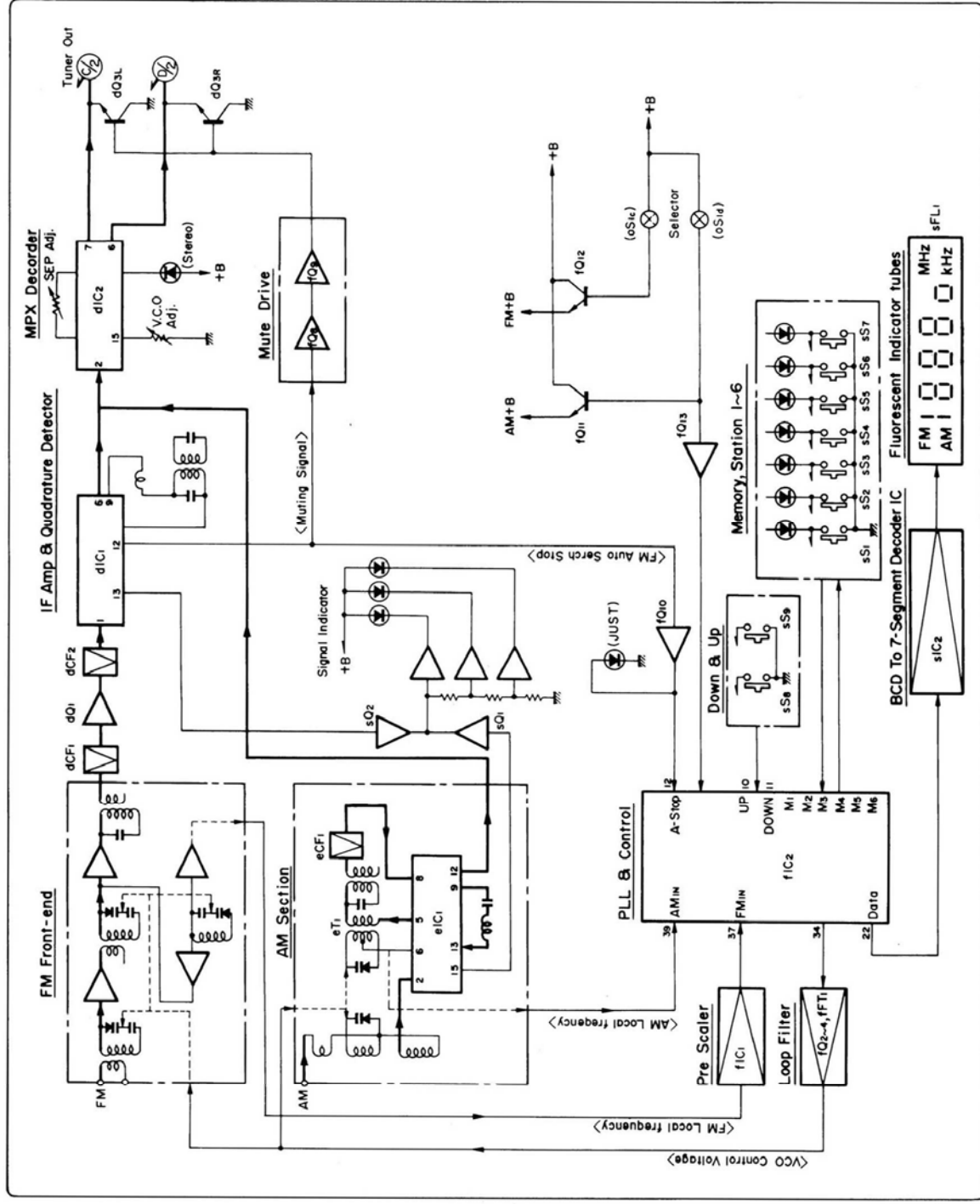
* Design and specifications subject to change without notice for improvements.

Sansui

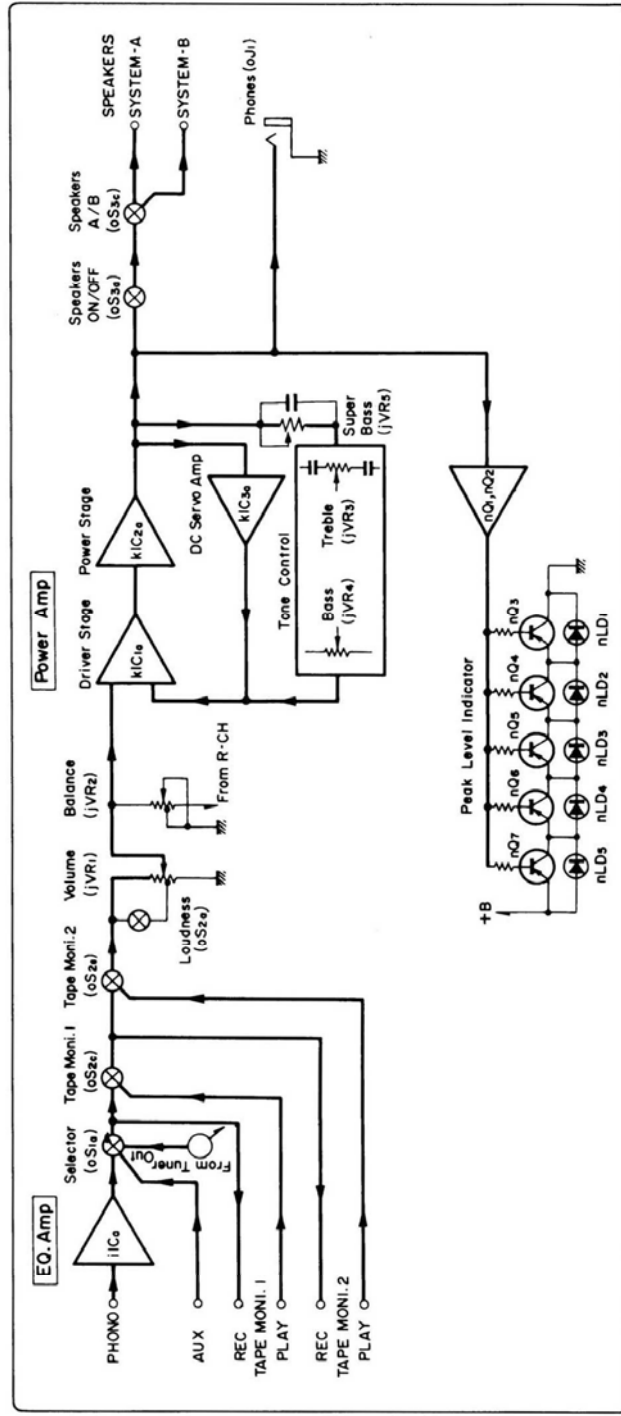
SANSUI ELECTRIC CO., LTD.

1. BLOCK DIAGRAM

1-1. Tuner Section



1-2. Audio Section

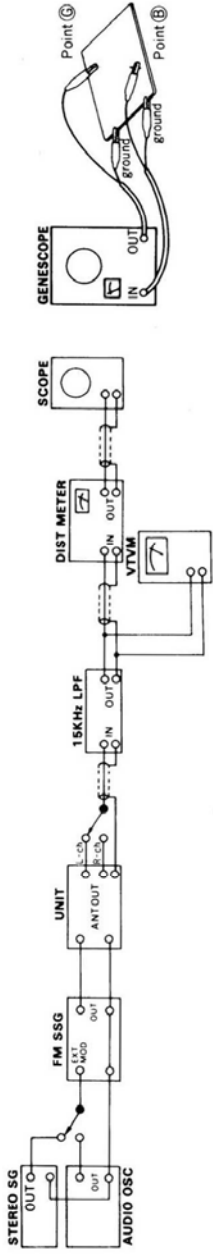


2. ADJUSTMENTS

2-1. FM Adjustment (See Top View on Page 10)

(1) FM IF, RF Adjustment and Dial Calibration

- Note: 1. Selector FM
2. FM Mode MONO



STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
		FROM	TO				
1.	IF Coil Adj. In case of Genescope	98MHz ANT Input 20dBf (14.8dB), 1kHz (100% MOD.), FM SSG	ANT terminal 300Ω	Between Point (A) (dR16) & Earth DC Volt Meter	T1 (Front-end)	Max. DC Volt (about 0.7V)	
		1 No Input	—	Between Point (H) & Point (I) (dR10) DC Volt Meter	dT1	DC 0V ±0.1V	
2.	Discriminator Coil Adj. In case of using Dist meter	Output 80dB, Genescope	Point (G) (dR34)	Between Point (B) (dR19) & Earth	dT1	Steep linearity of S curve. Make symmetrical S curve.	
		1 98MHz ANT Input 65dBf (59.8dB), 1kHz (100% MOD.), FM SSG	ANT terminal 300Ω	Between Point (H) & Point (I) (dR10) DC Volt Meter	dT1	DC 0V ±0.1V	
3.	88MHz Dial Calibration	1 No Input	—	Display Indication	Tuning Knob	88MHz	<ul style="list-style-type: none"> ● Repeat procedures as stated in step 3 & 4.
		2 No Input	—	Between Point (C) (eR12) & Earth DC Volt Meter	L8 (Front-end)	4V ±0.1V	
4.	108MHz Dial Calibration	1 No Input	—	Display Indication	Tuning Knob	108MHz	
		2 No Input	—	Between Point (C) (eR12) & Earth DC Volt Meter	TC3 (Front-end)	19V ±0.1V	
5.	98MHz RF Adj.	98MHz ANT Input Minimum value with sine wave 1000Hz (100% MOD.), FM SSG	ANT terminal 300Ω	REC OUT L-CH or R-CH VTVM & SCOPE	TC1, TC2 (Front-end)	Max. Output	

• Abbreviations

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

(2) FM STEREO Adjustment

Note: 1. FM Mode AUTO

STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
		FROM	TO				
1.	PLL VCO Adj.	98MHz ANT Input 65dBf (59.8dB), FM SSG, Pilot 19kHz (9% MOD.), R or L MODE 1kHz + Pilot (100% MOD.), STEREO SG	ANT terminal 300Ω	Stereo indicator	dVR3	Light indicator	Adjust the VR within center of lighting level
2.	PLL VCO Adj. In case of using Freq.	98MHz ANT Input 65dBf (59.8dB), FM SSG, Pilot 19kHz (9% MOD.), L MODE 1kHz + Pilot (100% MOD.), STEREO SG.	Same as above	Between Point (F) (dR24) & Earth Freq. counter	dVR3	19kHz ± 50Hz	Confirm R → L-CH
		98MHz ANT Input 65dBf (59.8dB), FM SSG, Pilot 19kHz (9% MOD.), L MODE 1kHz + Pilot (100% MOD.), STEREO SG.	Same as above	REC OUT L-CH VTVM & SCOPE	—	—	
3.	Muting level Adj.	98MHz ANT Input 15dBf (9.8dB), FM SSG, Pilot 19kHz (9% MOD.), L or R MODE 1kHz + Pilot (100% MOD.), STEREO SG.	Same as above	REC OUT R-CH VTVM & SCOPE	dVR2	—40dB from the indication above.	Stereo indicator turns ON or Out- put Signal comes out
		98MHz ANT Input 15dBf (9.8dB), FM SSG, Pilot 19kHz (9% MOD.), L or R MODE 1kHz + Pilot (100% MOD.), STEREO SG.	Same as above	Stereo indicator or REC OUT L-CH or R-CH VTVM & SCOPE	dVR1	—	

◆ Selection of Intermediate Frequencies (FM)

* When the central frequency (shown by a color) of the ceramic filter is changed, the following connection must be made by using jumper wires.

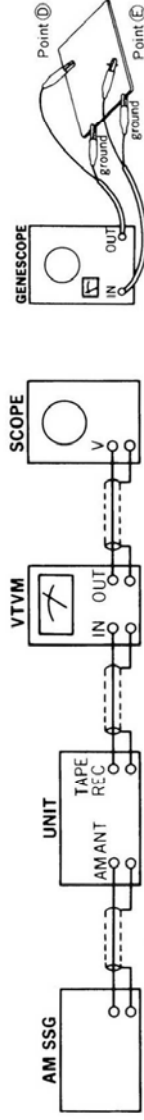
* Unity the color marks of the FM ceramic filters (dCF1, dCF2) on the F-3554 with the same color.

Colouring	Intermediate frequency	Connecting Position of Jumper wire on F-3554	
		JWx	JWy
BLACK	10.650 MHz	○	X
RED	10.700 MHz	○	○
WHITE	10.750 MHz	X	○

2-2. AM Adjustment (See Top View on Page 10)

(1) AM IF Adjustment and Dial Calibration

Note: 1. Selector AM



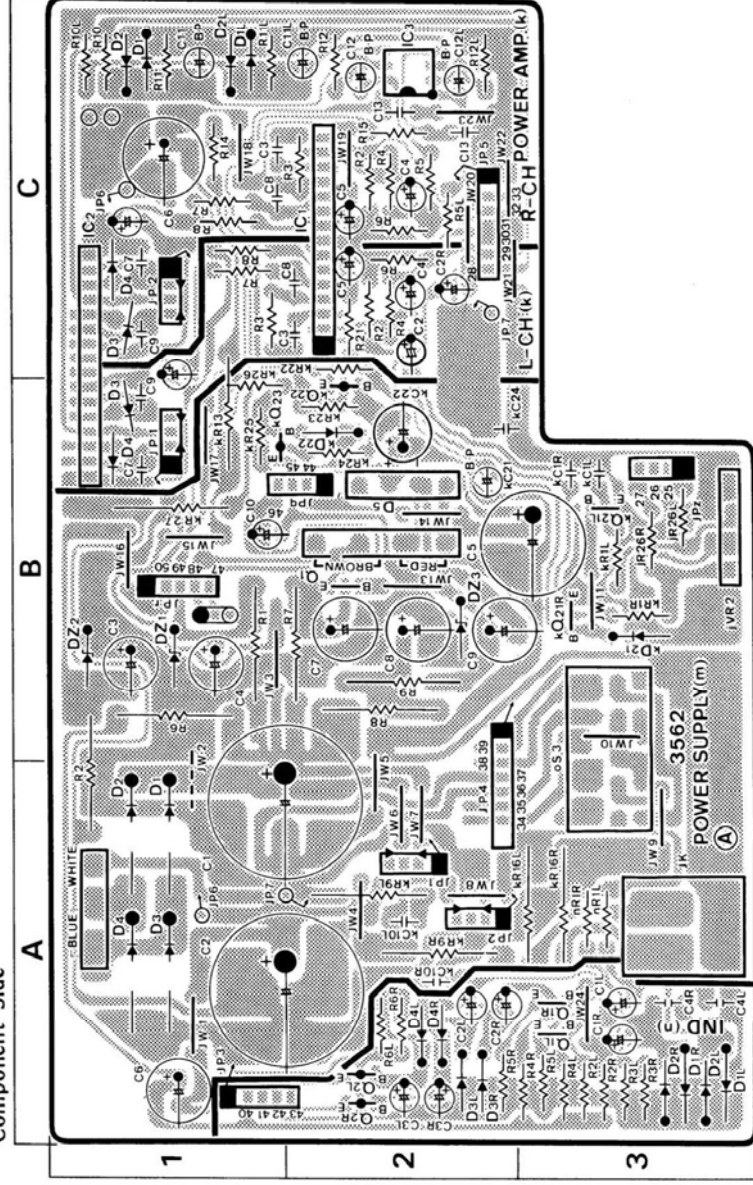
STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
		FROM	TO				
1.	IF Coil Adj.	Output 60dB, Genescope	Point (D) (eR2)	Between Point (E) (e9) & Earth	eCF1, eL2	Max. Waveform	
2.	531kHz Dial Calibration	1 No Input	—	Display Indication	Tuning Knob	531kHz	
		2 No Input	—	Between Point (C) (eR12) & Earth DC Volt Meter	eL1	1.6V ± 0.1V	
3.	1602kHz Dial Calibration	1 No Input	—	Display Indication	Tuning Knob	1602kHz	
		2 No Input	—	Between Point (C) (eR12) & Earth DC Volt Meter	eTC2	22.5V ± 0.1V	
4.	603kHz RF Adj.	603kHz ANT Input 30dB, 400Hz (30% MOD.), AM SSG	ANT terminal	REC-OUT L-CH or R-CH VTVM & SCOPE	Bar Antenna	Max. Output	
5.	1404kHz RF Adj.	1404kHz ANT Input 30dB, 400Hz (30% MOD.), AM SSG	Same as above	Same as above	eTC1	Max. Output	

3. PARTS LOCATION & PARTS LIST

• 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 Sansui Manual.

3-1. F-3562 Power Amp. & Power Supply Circuit Board (Stock No. 00648201)

Component Side

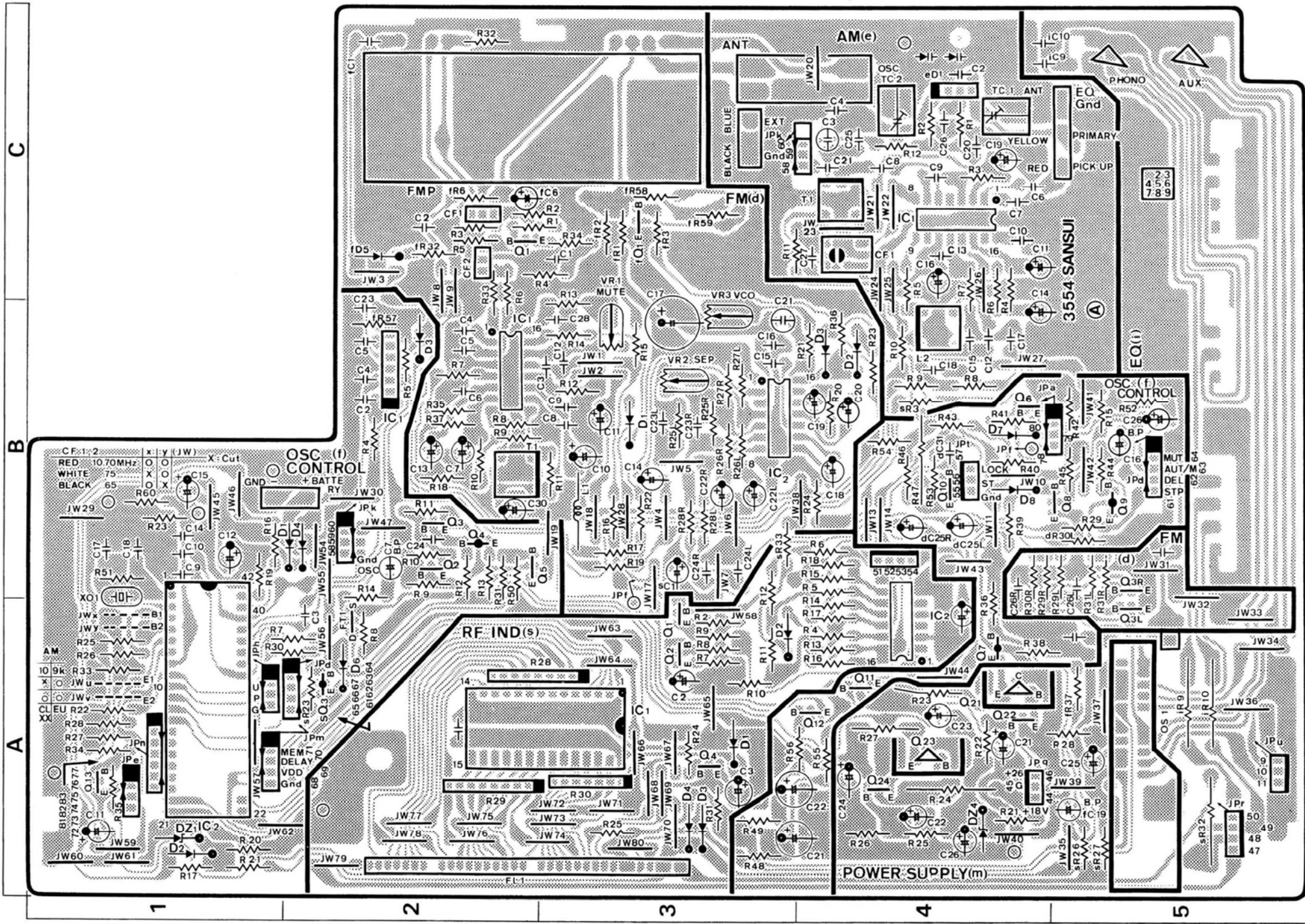


Parts List

Parts No.	Stock No.	Description	Parts No.	Stock No.	Description
jVR2	46097411	250k Ω Volume, balance	mD2	46096300	30DL2
• Transistor			UF21	07224400	UF21
kO21	03059501, 2	2SC945-O, P	30DL2	46096300	30DL2
	07194800, 1	2SC1815-Y, GR	UF21	07224400	UF21
	03068301, 2	2SC2320-E, F	30DL2	46096300	30DL2
kO22	07194700, 1	2SA1015-Y, GR	UF21	07224400	UF21
	07197001, 2	2SA733A-O, P	RB-152	03117000	RB-152
	03012700, 1	2SA999-E, F	• Zener Diode		
kO23	07194700, 1	2SA1015-Y, GR	mDZ1	03164500	RD18E-B
	07197001, 2	2SA733A-O, P	mDZ2	03164500	RD18E-B
	03012700, 1	2SA999-E, F	mDZ3	03165300	RD27E-B
• IC			mR1	00192000	820 Ω 2W N.I.R.
kIC1	46051100	STK-3042	mR2	00192000	820 Ω 2W N.I.R.
kIC2	46051200	STK-2139	mR6	00185700	1k Ω 2W N.I.R.
kIC3	03607700	NJM4558D	mC1	00316000	4700 μ F 50V
• Diode			mC2	00316000	4700 μ F 50V
kD1	03111600	1S2473D	• Transistor		
kD2	03111800	1S1588	nO1	07299701, 2	2SC2603-E, F
	03111600	1S2473D		03059501, 2	2SC945-O, P
kD21	03111800	1S1588		03068301, 2	2SC2320-E, F
	03111600	1S2473D	nO2	07299601, 2	2SA1115-E, F
	03111800	1S1588		07197001, 2	2SA733A-O, P
kD22	03111600	1S2473D		03012700, 1	2SA999-E, F
	03111800	1S1588	• Diode		
kC4	00306800	1 μ F 50V E.B.	nD1	03103300	1N60-0
kC11	00306600	10 μ F 50V E.B.	nD2	03111600	1S2473D
kC12	00307500	4.7 μ F 50V E.B.		03111800	1S1588
kC21	00306800	1 μ F 50V E.B.	nD3	03111600	1S2473D
				03111800	1S1588
• Transistor			nD4	03111600	1S2473D
mO1	03085201, 2	2SD438-E, F	oS3	46097000, 1	Push Switch, speaker
	07206900, 1	2SC2001-M, L	oJ1	46096600	Phone Jack
• Diode					
mD1	46096300	30DL2			
	07224400	UF21			

3-2. F-3554 Tuner Circuit Board (Stock No. 00647401)

Component Side



C

B

A

1

2

3

4

5

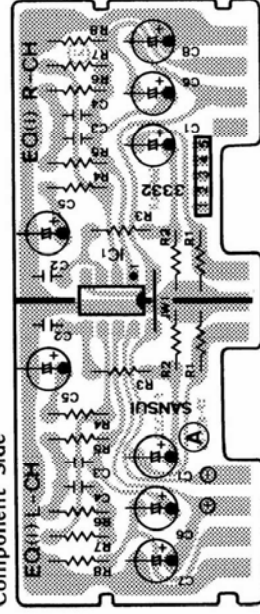
Parts List

Parts No.	Stock No.	Description	Parts No.	Stock No.	Description
	07263200	FM Frontend FSA-020	fQ7	07197001, 2	2SA733A-Q, P
● Transistor				07194700, 1	2SA1015-Y, GR
dQ1	03069500, 1	2SC668-C, D	fQ8	03012700, 1	2SA999-E, F
	03063401	2SC1674-L		03059501, 2	2SC945-Q, P
	03069502	2SC668-E1	fQ9	07194800, 1	2SC1815-Y, GR
	46027300	2SC2786-M		03068301, 2	2SC2320-E, F
dQ3	03059501, 2	2SC945-Q, P		07197001, 2	2SA733A-Q, P
	07194800, 1	2SC1815-Y, GR	fQ10	07194700, 1	2SA1015-Y, GR
	03068301, 2	2SC2320-E, F		03012700, 1	2SA999-E, F
● IC				03059501, 2	2SC945-Q, P
dIC1	46052600	μPC1208	fQ11	03068301, 2	2SC2320-E, F
dIC2	03609900	μPC1161C		46118800, 1	2SC2878 (A), (B)
● Diode			fQ12	07194800, 1	2SC1815-Y, GR
dD2	03117600	1S2473D		07206900, 1	2SC2001-M, L
	46086000	1S1588		03085201, 2	2SD438-E, F
	46092700	US1035	fQ13	07194800, 1	2SC1815-Y, GR
dD3	03117600	1S2473D		03068301, 2	2SC2320-E, F
	46086000	1S1588	● FET		
	46092700	US1035	fF T1	03703001, 2	2SK117-Y, GR
dCF1	07259700	Ceramic Filter		03703401, 2	2SK163-K2, L1
dCF2	07259700	Ceramic Filter	● IC		
dL1	07250300	Peaking Coil 2.2μH	fIC1	07225000	TD6104P
dT1	46077600	FM IF Coil	fIC2	07225200	TC9140P
dVR1	07241500	50kΩ (B) Volume, muting level adj.	fXO1	07237700	7.2MHz Xtal
dVR2	07241700	200kΩ (B) Volume, sep. adj.	● Diode		
dVR3	07218000	6.8kΩ (B) Volume, v.c.o. adj.	fD1	03117600	1S2473D
● IC				46086000	1S1588
eIC1	03603900	HA1197	fD2	46092700	US1035
● Varactor Diode				03117600	1S2473D
eD1	07197200	KV1226		46086000	1S1588
eTC1	12301000	15P Trimmer Capacitor	fD3	46092700	US1035
eTC2	12301000	15P Trimmer Capacitor		03117600	1S2473D
eCF1	46096200	Ceramic Filter SFL450G	fD4	46086000	1S1588
eT1	07198700	AM RF Coil		46092700	US1035
eL2	42306200	AM IF Coil	fD5	03117600	1S2473D
● Transistor				46086000	1S1588
fQ1	03059501, 2	2SC945-Q, P	fD6	46092700	US1035
	07194800, 1	2SC1815-Y, GR		03117600	1S2473D
fQ2	03068301, 2	2SC2320-E, F	fD7	46092700	US1035
	03059501, 2	2SC945-Q, P		03117600	1S2473D
fQ3	07194800, 1	2SC1815-Y, GR	fD8	46086000	1S1588
	03068301, 2	2SC2320-E, F		46092700	US1035
	03059501, 2	2SC945-Q, P	● Zener Diode		
fQ4	07194800, 1	2SC1815-Y, GR	fDZ1	03183400	RD5.1E-B
	03068301, 2	2SC2320-E, F	fR47	00184400	680Ω 1W N.I.R.
fQ5	03059501, 2	2SC945-Q, P	fC7	08451700	1.0μF 50V E.B.
	46118800, 1	2SC2878 (A), (B)	fC16	08451900	3.3μF 50V E.B.
fQ6	03059501, 2	2SC945-Q, P	fC19	08450900	4.7μF 16V E.B.
	07194800, 1	2SC1815-Y, GR			
	03068301, 2	2SC2320-E, F			

Parts No.	Stock No.	Description
● Transistor mQ21	03083901, 2	2SD313AL-D, E
mQ22	07194800, 1	2SC1815-Y, GR
	03068301, 2	2SC2320-E, F
	03059501, 2	2SC945-Q, P
mQ23	03083901, 2	2SD313AL-D, E
mQ24	07194800, 1	2SC1815-Y, GR
	03068301, 2	2SC2320-E, F
	03059501, 2	2SC945-Q, P
● Zener Diode mDZ4	03179000	RD13E-B
mR24	00187800	220Ω 2W N.I.R.
oS1	46096700	Rotary Slide Switch, selector
	07249100	4P Terminal Board, aux, phono
	22902600	4P Terminal Board, antenna
● Transistor sQ1	03059501, 2	2SC945-Q, P
	07194800, 1	2SC1815-Y, GR
	03068301, 2	2SC2320-E, F
sQ2	03059501, 2	2SC945-Q, P
	07194800, 1	2SC1815-Y, GR
	03068301, 2	2SC2320-E, F
sQ3	07197001, 2	2SA733A-Q, P
	07194700, 1	2SA1015-Y, GR
	03012700, 1	2SA999-E, F

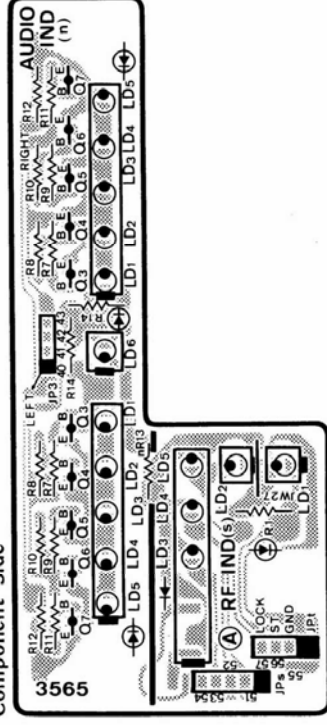
3-3. F-3332 Equalizer Circuit Board (Stock No. 00649501)

Component Side



3-4. F-3565 RF Signal & Peak Power Indicator Circuit Board (Stock No. 00648501)

Component Side



Parts List

Parts No.	Stock No.	Description
● Transistor nQ3	07299601, 2	2SA1115-E, F
	07197001, 2	2SA733A-Q, P
nQ4	07299601, 2	2SA1115-E, F
	07197001, 2	2SA733A-Q, P
nQ5	07299601, 2	2SA1115-E, F
	07197001, 2	2SA733A-Q, P

Parts No.	Stock No.	Description
sQ4	03059501, 2	2SC945-Q, P
	07194800, 1	2SC1815-Y, GR
	03068301, 2	2SC2320-E, F
● IC sIC1	07225100	TD6301P
sIC2	03611900	MSM4050RS
● Diode sD1	03117600	1S2473D
	46086000	1S1588
	46092700	US1035
sD2	03117600	1S2473D
	46086000	1S1588
	46092700	US1035
sD3	03117600	1S2473D
	46086000	1S1588
	46092700	US1035
sD4	03117600	1S2473D
	46086000	1S1588
	46092700	US1035
sFL1	07235300	F1P7B8S
sR28	46045900	Resistor Network 8-Element
sR29	46045900	Resistor Network 8-Element
sR30	46042200	Resistor Network 6-Element
sR32	00183700	56Ω 1W N.I.R.

Parts List

Parts No.	Stock No.	Description
● IC iIC1	07208900	NJM4558D-X
iC1	46034800	2.2μF 50V E.L.

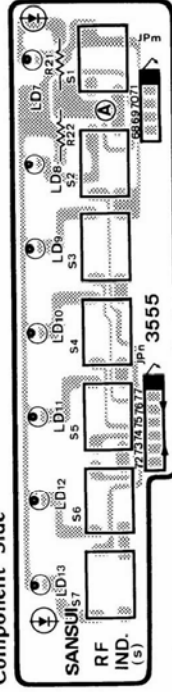
Parts No. Stock No. Description

nQ6	07299601, 2	2SA1115-E, F
	07197001, 2	2SA733A-Q, P
nQ7	07299601, 2	2SA1115-E, F
	07197001, 2	2SA733A-Q, P
nLD1	03193700	LED SEL1110S
nLD2	03193700	LED SEL1110S
nLD3	03193700	LED SEL1110S
nLD4	03193700	LED SEL1110S
nLD5	03193700	LED SEL1110S
nLD6	03193700	LED SEL1110S
	07581900	1P LED Holder
	07581600	5 Pin LED Holder
sLD1	03193700	LED SEL1110S
sLD2	07251600	LED SEL1910A
sLD3	07246200	LED SEL1710K
sLD4	07246200	LED SEL1710K
sLD5	07246200	LED SEL1710K

● Note: The circuit board, F-3555, F-3556, F-3557, F-3558, F-3559, F-3560, F-3561, F-3563, F-3564, F-3566 & F-3334 are not supplied as the assembled. However, the individual parts on the circuit board are provided by orders.

3-5. F-3555 Station, Memory Indicator Circuit Board

Component Side

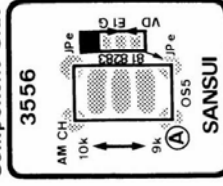


Parts List		
Parts No.	Stock No.	Description
	07581900	1P LED Holder
sLD7	07251600	LED SEL1910A
sLD8	03193700	LED SEL1110S
sLD9	03193700	LED SEL1110S
sLD10	03193700	LED SEL1110S
sLD11	03193700	LED SEL1110S
sLD12	03193700	LED SEL1110S
sLD13	03193700	LED SEL1110S

sS1	07246100	Push Switch, memory
sS2	07246100	Push Switch, preset station 6
sS3	07246100	Push Switch, preset station 5
sS4	07246100	Push Switch, preset station 4
sS5	07246100	Push Switch, preset station 3
sS6	07246100	Push Switch, preset station 2
sS7	07246100	Push Switch, preset station 1

3-6. F-3556 AM-CH 9 kHz/10 kHz Selection Switch Circuit Board (XX Model Only)

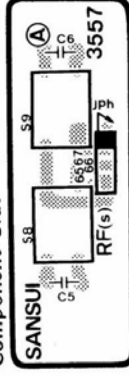
Component Side



Parts List		
Parts No.	Stock No.	Description
oS5	11102800	Slide Switch, AM-CH

3-7. F-3557 Tuning UP/DOWN Switch Circuit Board

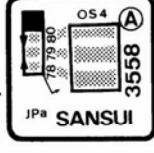
Component Side



Parts List		
Parts No.	Stock No.	Description
oS8	07246100	Push Switch, tuning down
oS9	07246100	Push Switch, tuning up

3-8. F-3558 FM/Mode Switch Circuit Board

Component Side



Parts List		
Parts No.	Stock No.	Description
oS4	46096900, 1	Push Switch, FM/mode

3-9. F-3559 Tape Monitor Terminal 1 Circuit Board

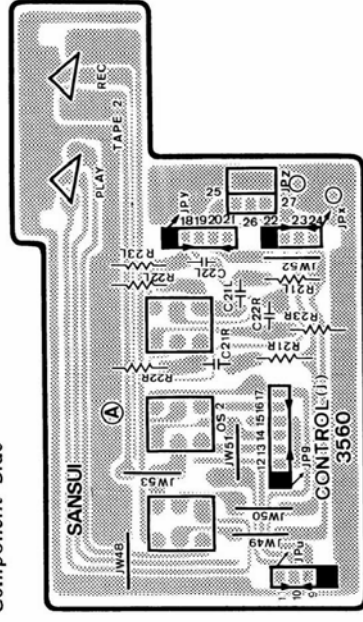
Component Side



Parts List		
Parts No.	Stock No.	Description
	07249100	4P Terminal, tape monitor 1

3-10. F-3560 Tape Monitor Switch Circuit Board

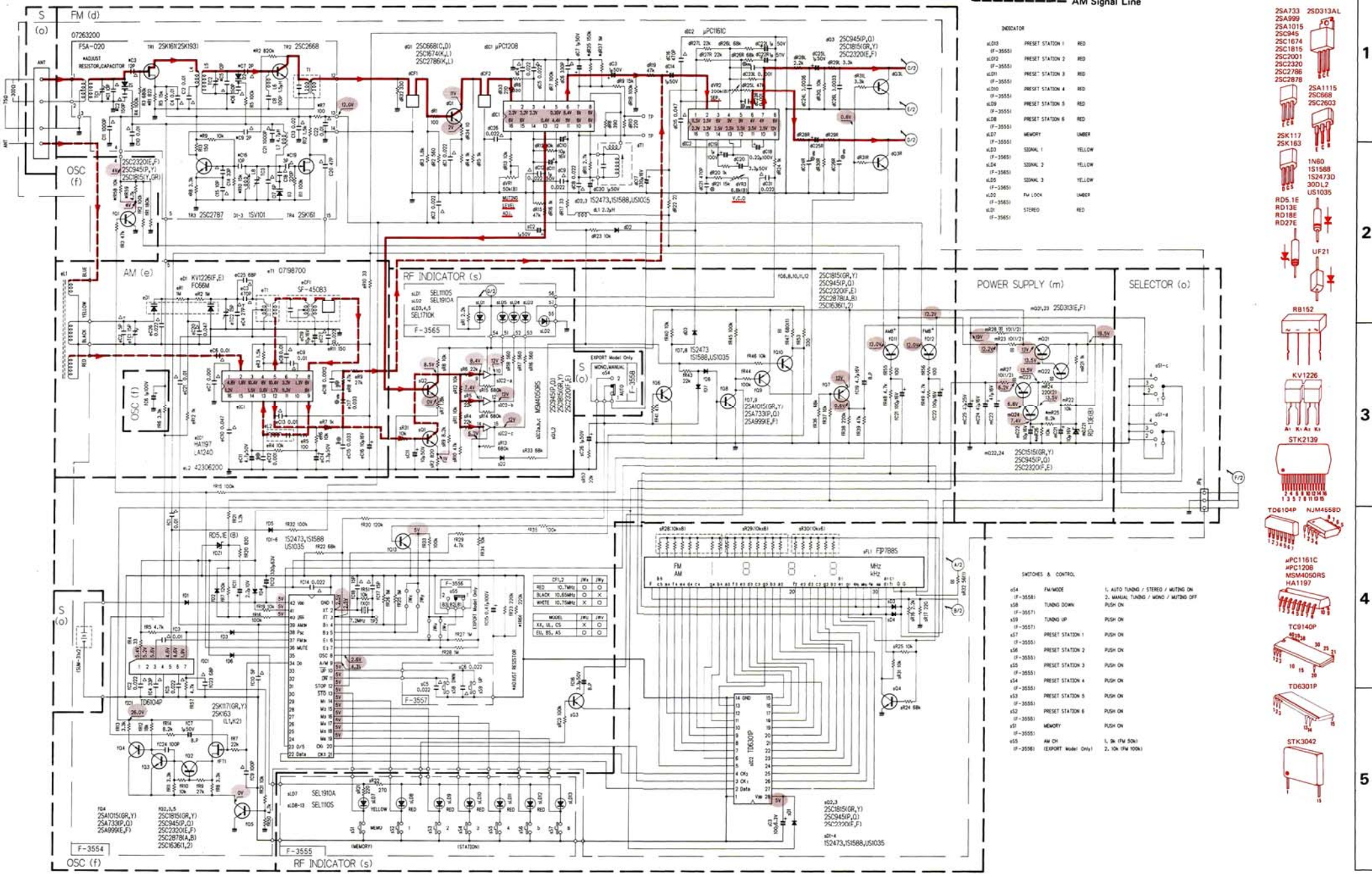
Component Side



Parts List		
Parts No.	Stock No.	Description
oS2	46097100, 1	Push Switch, tape monitor
	46096800	4P Terminal, tape monitor 2

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

4. SCHEMATIC DIAGRAM 4-1. Tuner Section



FM Signal Line
 AM Signal Line

INDICATOR	FUNCTION	COLOR
#L010	PRESET STATION 1	RED
#L011	PRESET STATION 2	RED
#L012	PRESET STATION 3	RED
#L013	PRESET STATION 4	RED
#L014	PRESET STATION 5	RED
#L015	PRESET STATION 6	RED
#L016	MEMORY	UMBER
#L017	SIGNAL 1	YELLOW
#L018	SIGNAL 2	YELLOW
#L019	SIGNAL 3	YELLOW
#L020	Fm Lock	UMBER
#L021	STEREO	RED

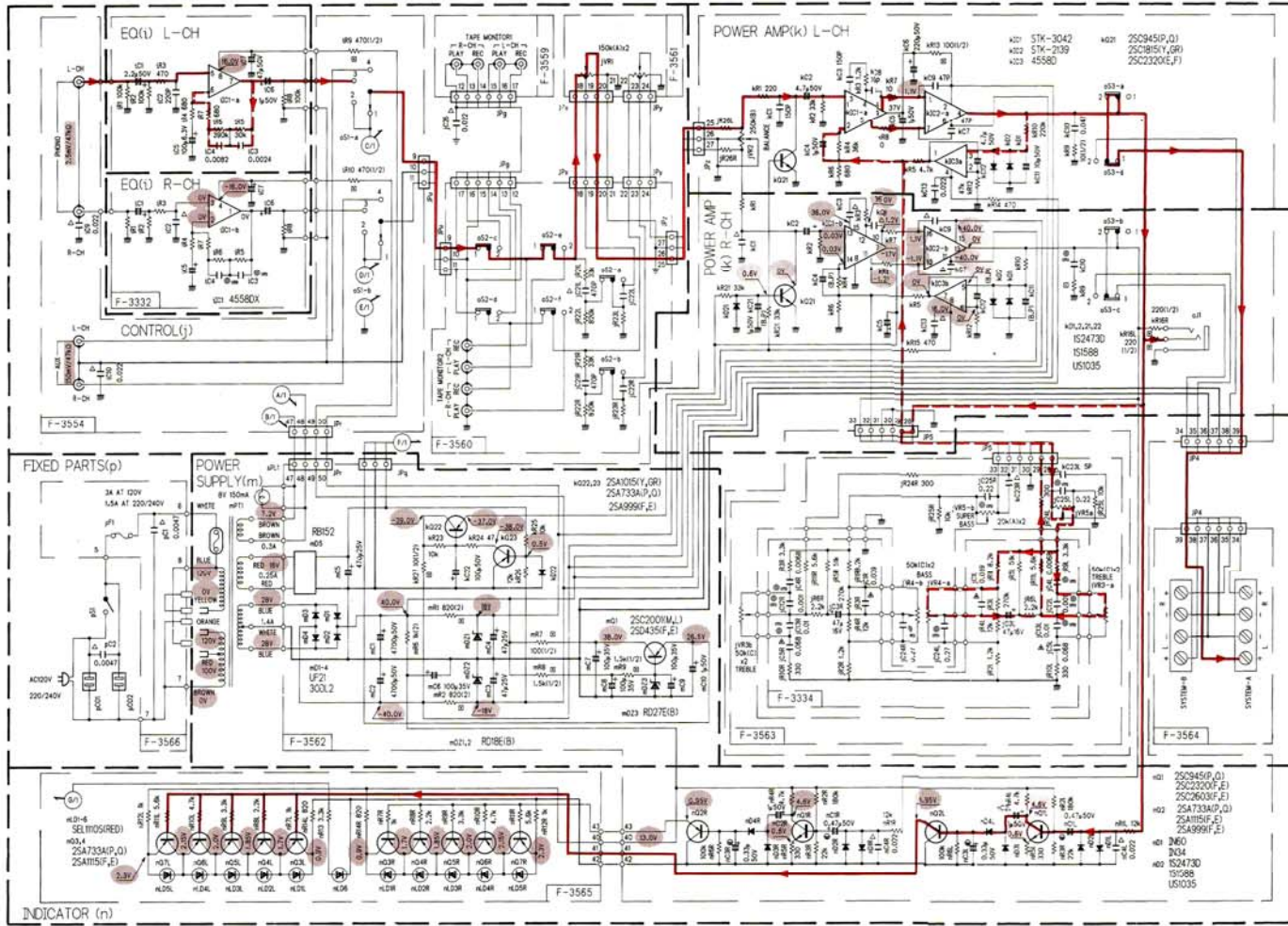
POWER SUPPLY (m) SELECTOR (o)

SWITCHES & CONTROL	FUNCTION
#S4	FM/AM
#S5	TUNING DOWN
#S6	TUNING UP
#S7	PRESET STATION 1
#S8	PRESET STATION 2
#S9	PRESET STATION 3
#S10	PRESET STATION 4
#S11	PRESET STATION 5
#S12	PRESET STATION 6
#S13	MEMORY
#S14	AW ON
#S15	EXPORT Mode Only

- 2SA733
- 2SA999
- 2SA1015
- 2SC945
- 2SC1674
- 2SC1815
- 2SC2001
- 2SC2320
- 2SC2786
- 2SC2878
- 2SA1115
- 2SC668
- 2SC2603
- 2SK117
- 2SK163
- 1N60
- 1S1588
- 1S2473D
- 300L2
- 1S1035
- RD5.1E
- RD13E
- RD18E
- RD27E
- UF21
- RB152
- KV1226
- AI K-A K-I
- STK2139
- TD610AP
- NJM4558D
- 1S371195B
- #PC1181C
- #PC1208
- MSM4050RS
- HA1197
- TC9140P
- TD6301P
- STK3042

• La présentation et les spécifications sont susceptibles d'être modifiées sans préavis par suites d'améliorations éventuelles.
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 • Design and specifications subject to change without notice for improvement.

4-2. Audio Section



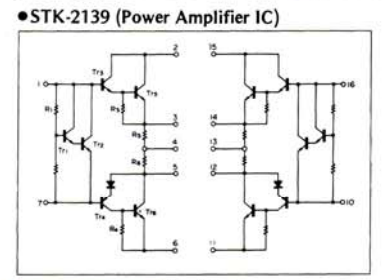
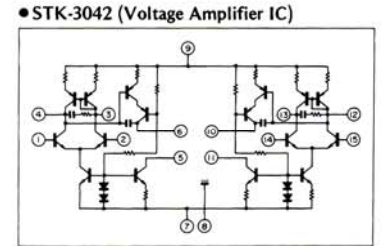
SYMBOL
 Δ Ceramic
 △ Ceramic (Temperature Compensation)
 ○ Low-Leak Electrolytic
 □ Bi-Polar Electrolytic
 ⊖ Low-Leak Bi-Polar Electrolytic
 ⊕ Tantalum Electrolytic
 ⊗ Film
 ⊙ Ww. Mylar
 ⊙ Polypropylene
 ⊙ Polyethylene
 ⊙ Metallized Paper
 ⊙ Glass
 ⊙ Barrier Layer Capacitor
 ⊙ Pulsing Resistor
 ⊙ Non-Inductance Resistor
 ⊙ Metal Film Resistor
 ⊙ Cement Resistor
 ⊙ Non-Inductive Cement Resistor

SYMBOL OF FUNCTION
 FM(d) FM Modulator
 AM(e) AM Modulator
 OSC(f) Oscillator
 MIC(g) Microphone
 MOD(h) Modulator
 EQ(i) Equalizer
 CONTROL(j) Control
 POWER AMP(k) Power Amplifier
 PROTECTOR(l) Protector
 POWER SUPPLY(m) Power Supply
 INDICATOR(n) Indicator
 SELECTOR(o) Selector
 FIXED PARTS(p) Fixed Parts
 RF INDICATOR(q) RF Indicator

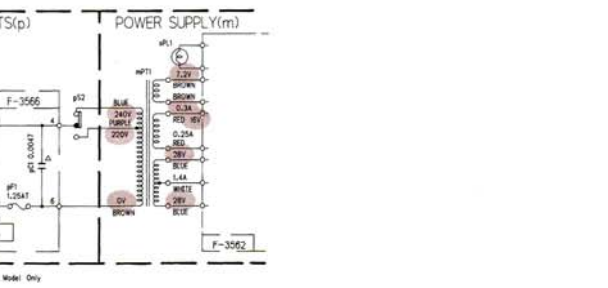
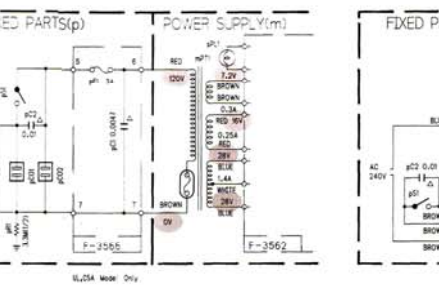
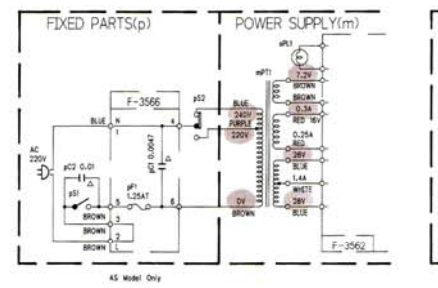
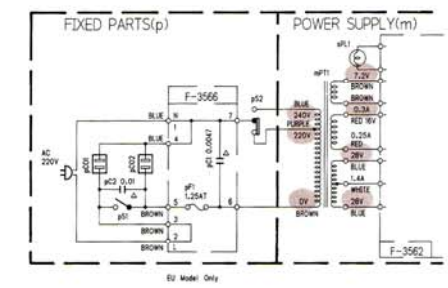
REVISIONS
 # in units, #/Material/Revision
 Unless Otherwise Noted, #/M/M/O
CAPACITORS
 Are in μF, unless otherwise noted, #/pF
TOLERANCE
 ± 5% (1.25% if #)
 Each D.C. Voltage shows the nominal value in volts at no input signal.

SWITCHES & CONTROL

#52	POWER SELECTOR	1. AW
#54-e	TREBLE	2. FW
#F-3554		3. PHONO
#52-e	TAPE MONITOR 1	4. AUX
#F-3560	TAPE MONITOR 2	1. SOURCE
#F-3560	LOUDNESS	2. TAPE-2
#F-3560	SPEAKERS	1. ON
#F-3561		2. OFF
#F-3561		1. A
#F-3561		2. B
#V1	VOLUME	
#V2	BALANCE	
#F-3562		
#V3	TREBLE	
#F-3563		
#V4	BASS	
#F-3563		
#V5	SUPER BASS	
#F-3563		
INDICATOR		
HLD6	POWER	RED
#F-3565		
HLD-5	PEAK LEVEL	RED
#F-3565		

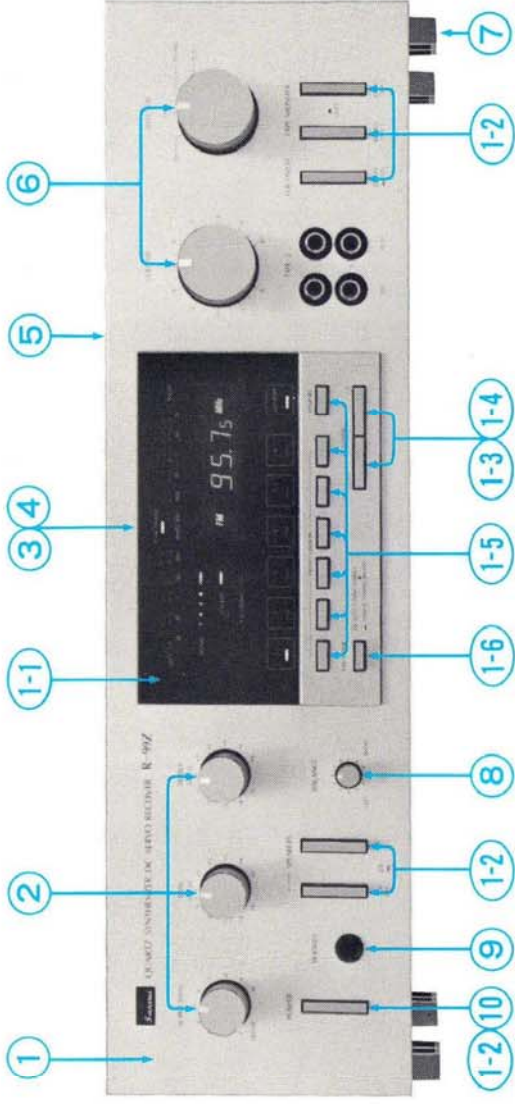


— Signal Line
 - - - N.F.B. Loop Line

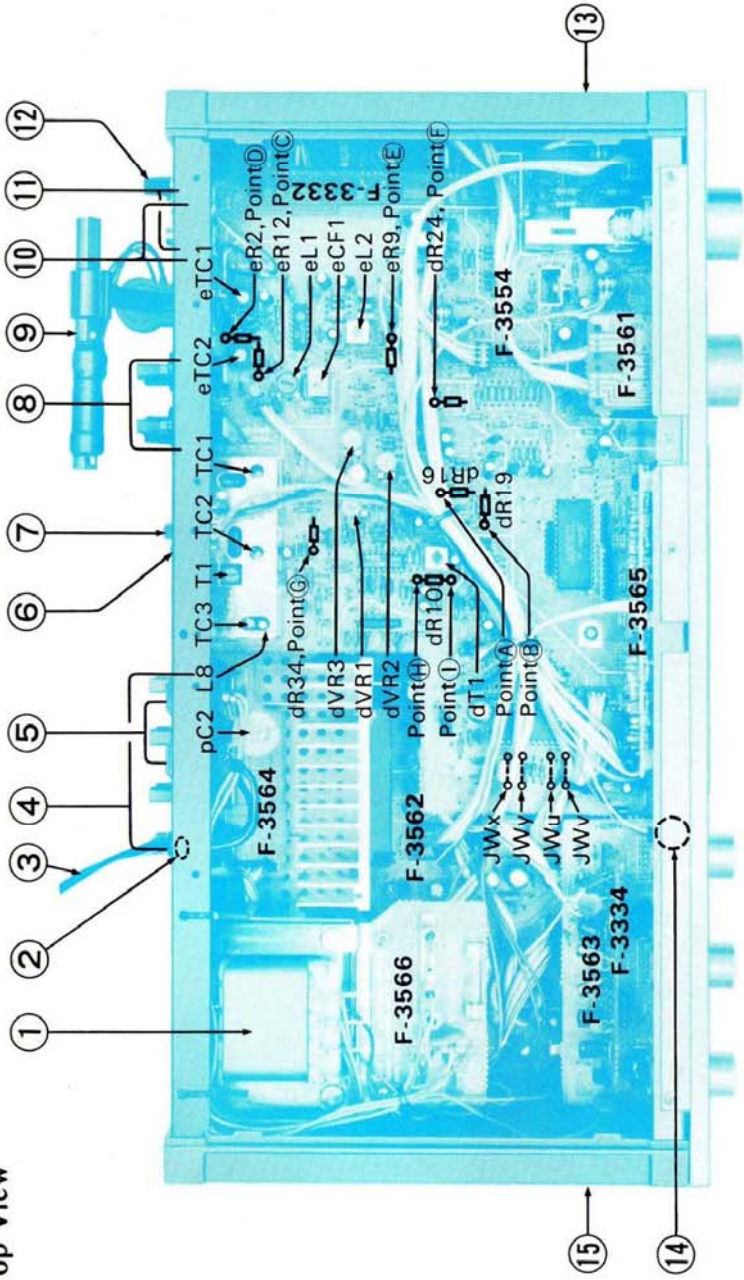


5. OTHER PARTS

5-1. Front View



5-2. Top View



Parts List <Front View>

Parts No.	Stock No.	Description
1	07743500	Front Panel Ass'y
1-1	07742600	Dial Glass
1-2	07580300	Push Knob, speakers, loudness, tape monitor
1-3	07564200	Knob, tuning up, down
1-4	07564300	Knob Guide
1-5	07744700	Knob Ass'y, preset station
1-6	07553800	Push Knob Ass'y, FM/mode
2	07777600	Knob, treble, bass, super bass
3	07742400	Digital Scale
4	07742700	Masking Sheet
5	07601300	Bonnet
6	07743400	Knob, volume, selector
7	07601200	Leg
8	07614300	Knob, balance
9	46096600	Phone Jack
10	46087300	Push Switch, power

Parts List <Top View>

Parts No.	Stock No.	Description
1	15004101	Power Transformer
2	39106000	Strain Relief
3	38004700	Power Cord
4	07183300	Speaker Terminal
5	07189600	AC Outlet
6	07563320	Battery Case Ass'y
7	11102800	AM Channel Switch
8	22902600	4P Terminal, antenna
9	07236900	Bar Antenna
10	07249100	4P Terminal, tape 1
11	07249100	4P Terminal, aux, phono
12	07759400	Ground Terminal
13	07602010	Side Panel (R)
14	07261100	Pilot Lamp 8V 150mA
15	07601910	Side Panel (L)
pC2	00386100	0.0047μF 150V C.C.

6. NOTES

6-1. Notice when the user moves from 9 kHz to 10 kHz step area, or vice versa, in AM broadcasting frequency.

AM programs are being broadcast under channel plans which, depending on the broadcasting area in the world, are characterized by different channels (frequency intervals) between broadcasting stations. In North, South, and Central America, this channel is 10 kHz whereas in the rest of these areas, it is 9 kHz.

This unit is a synthesizer tuner which varies the reception frequency at each 9 kHz or 10 kHz channel (frequency interval) during auto search reception. If the client uses the unit in an area with a different channel plan, he may not be able to receive AM stations. The unit he has purchased has been originally adjusted to the channel in his area. It is therefore necessary to change over the channel setting if he moves to an area with a different channel plan.

It is impossible to receive AM broadcasting in Automatic Tuning operation. In this case, use the AM 9 kHz/10 kHz selection switch (oS2) installed on the rear panel, in accordance with Table 6-1.

If no switch oS2 is installed, change the position where the Jumper Wire (JWu) is connected.

6-2. Notice when the user moves from 50 kHz to 100 kHz step area, or vice versa, in FM broadcasting frequency.

In this case, change the positions where the Parts is connected on the circuit board F-3554, in accordance with Table 6-2.

(In most of countries, frequency-step between two FM stations is every 100 kHz, but in some areas of Europe, it is 50 kHz asides.)

● Table 6-1

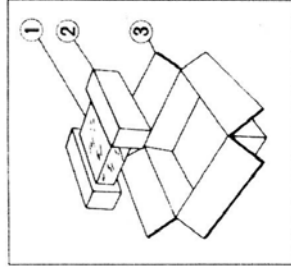
Parts	10 kHz frequency step	9 kHz frequency step
Switch, oS2	Set 10 kHz	Set 9 kHz
JWu	Remove the Jumper Wire	Connect the Jumper Wire

● Table 6-2

Parts	100 kHz frequency step	50 kHz frequency step
sQ4	Remove the Parts	Connect the Parts
Switch oS2	Set 10 kHz	Set 9 kHz
JWu	Remove the Jumper Wire	Connect the Jumper Wire

7. PACKING LIST

Parts No.	Stock No.	Description
1	91263810	Vinyl Bag
2	07641000	Styrofoam Packing
3	07745400	Carton Case



8. ACCESSORY LIST

Stock No.	Description
46094300	Operating Instruction
46051700	FM Antenna
_____	Dry Battery x 2

Sansui

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