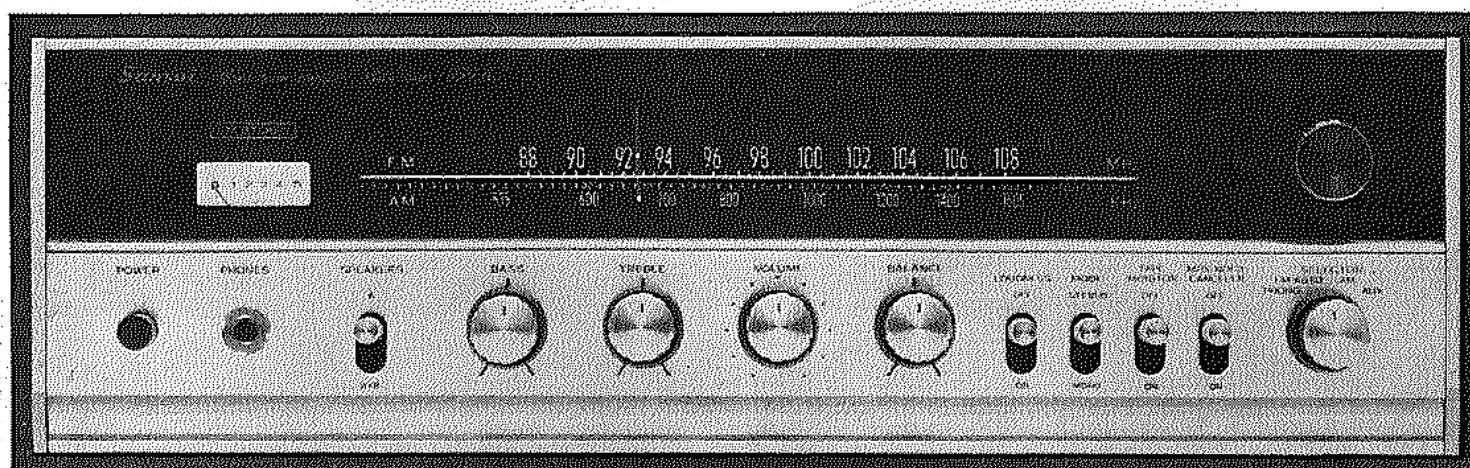


SERVICE MANUAL

SOLID-STATE AM/FM STEREO TUNER AMPLIFIER

SANSUI 350A

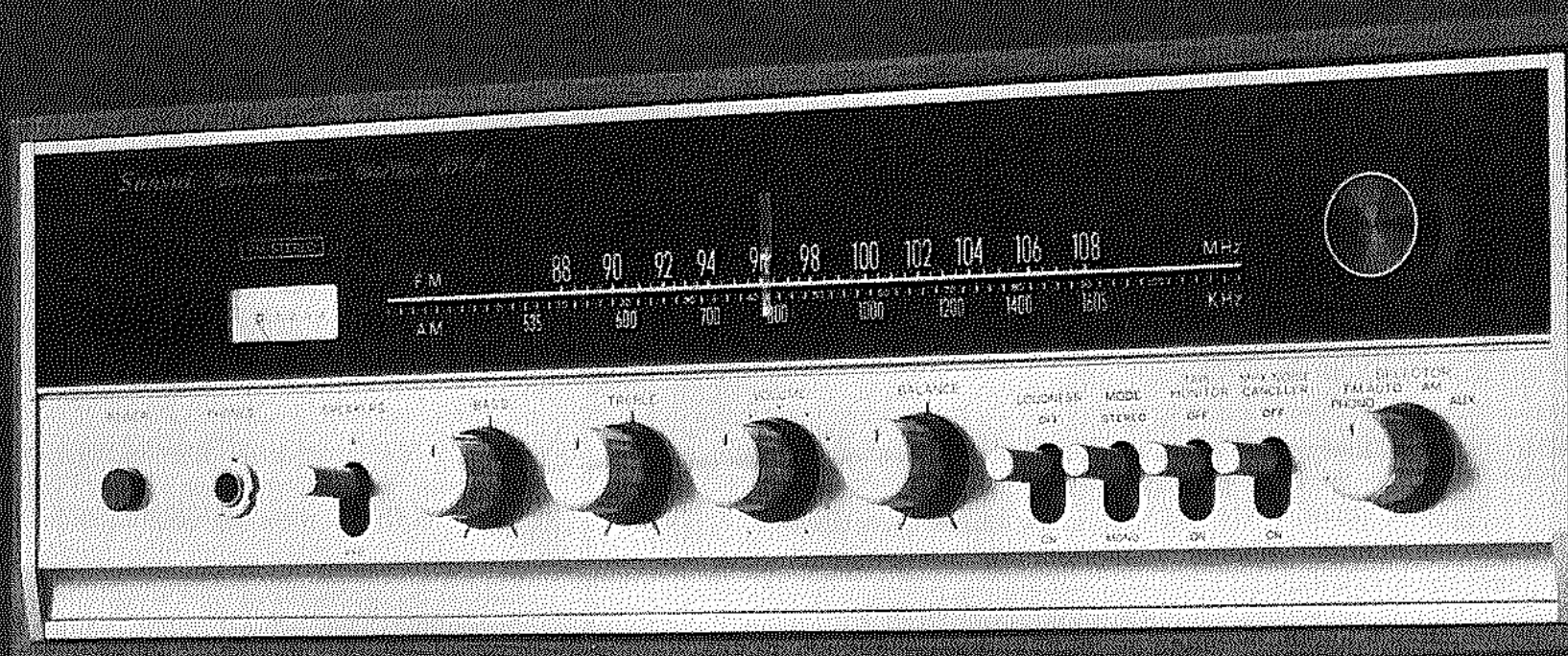


Sansui

SANSUI ELECTRIC CO., LTD.

CONTENTS

GENERAL TROUBLESHOOTING CHART	3, 4
DISASSEMBLY PROCEDURE.....	5
BLOCK DIAGRAM	6
ALIGNMENT.....	7, 8, 9, 10
SCHEMATIC DIAGRAM	11, 12
PRINTED CIRCUIT BOARDS AND PARTS LIST	
.....	13, 14, 15, 16, 17, 18, 19, 20, 21
OTHER PARTS AND THEIR POSITION ON CHASSIS	
.....	21, 22



GENERAL TROUBLESHOOTING CHART

If the amplifier is otherwise operating satisfactorily the more common causes of trouble may generally be attributed to the following:

1. Incorrect connections or loose terminal contacts. Check the speakers, record player, tape deck, antenna and line cord.
2. Improper operation. Before operating any audio component, be sure to read the manufacturer's

instructions.

3. Improper location of audio components. The proper positioning of components, such as speakers and turntable, is vital to stereo.
4. Defective audio components.

Following are some other common causes of malfunction and what to do about them.

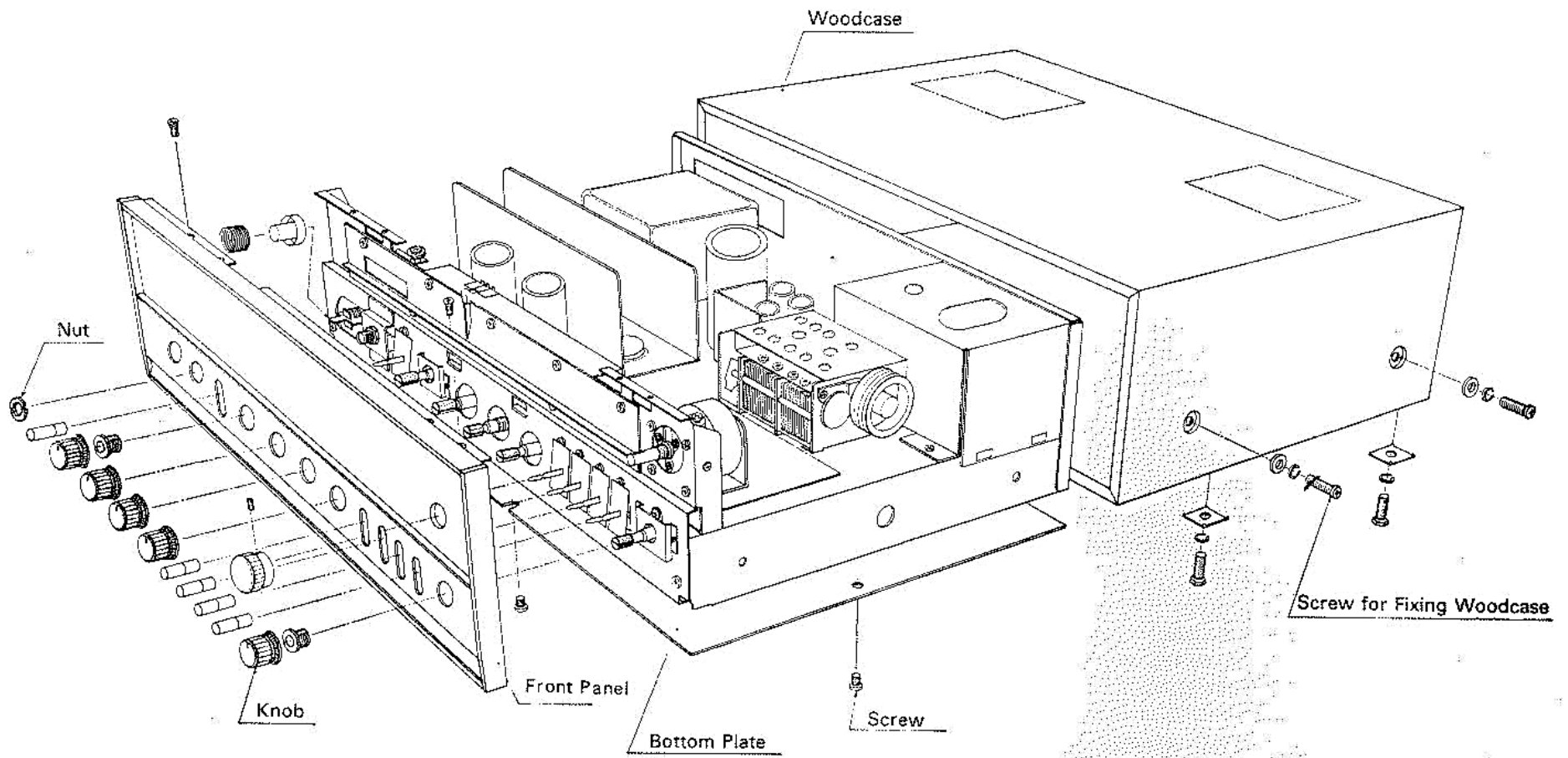
PROGRAM	SYMPTOM	PROBABLE CAUSE	WHAT TO DO
AM, FM or MPX reception	a. Constant or intermittent noise heard at certain times or in a certain area.	* Discharge or oscillation caused by electrical appliances, such as fluorescent lamps, TV sets, D.C. motors, rectifier and oscillator * Natural phenomena, such as atmospherics, static, and thunderbolt. * Insufficient antenna input due to reinforced concrete walls or long distance from the station * Wave interference from other electrical appliances	* Attach a noise limiter to the electrical appliance that causes the noise, or attach it to the power source of the amplifier. * Install an outdoor antenna and ground the amplifier to raise the signal-to-noise ratio. * Reverse the power cord plug-receptacle connections. * If the noise occurs at a certain frequency, attach a wave trap to the ANT. input. * Place the set away from other electrical appliances.
	b. Needle of the tuning meter does not move sharply.	* Needle movement is not necessarily related to the sensitivity of the amplifier.	* Tune the set for maximum signal strength.
	c. Zero point of the meter moves greatly.	* Regional difference in field intensity.	* The unit is not at fault.
AM reception	a. Noise heard at a particular time of day, in a certain area or over part of the dial.	* Natural phenomenon.	* Install an antenna for maximum antenna efficiency. See "ANTENNA" in the Operating Instructions. * In some cases, the noise can be eliminated by grounding the amplifier or reversing the power cord plug-receptacle connections.
	b. High-frequency noise	* Adjacent-channel interference or beat interference * TV set is too close to the audio system	* Although such noise cannot be eliminated by the amplifier, it is advisable to turn the TREBLE control from midpoint to left. * Place the TV set away from the audio system.
FM reception	a. Noisy	* Poor noise limiter effect or too low SN ratio due to insufficient antenna input.	* Adjust the antenna (supplied) for maximum signal strength. * If this is not effective, use an outdoor antenna designed exclusively for FM. When you use a TV antenna for both TV and FM with a splitter make sure TV reception is not affected. * An excessively long antenna may cause noise.

NOTE: FM reception is affected considerably by the conditions of the transmitting stations: power and antenna efficiency. As a result, you may receive one station quite well while having difficulty receiving another station.

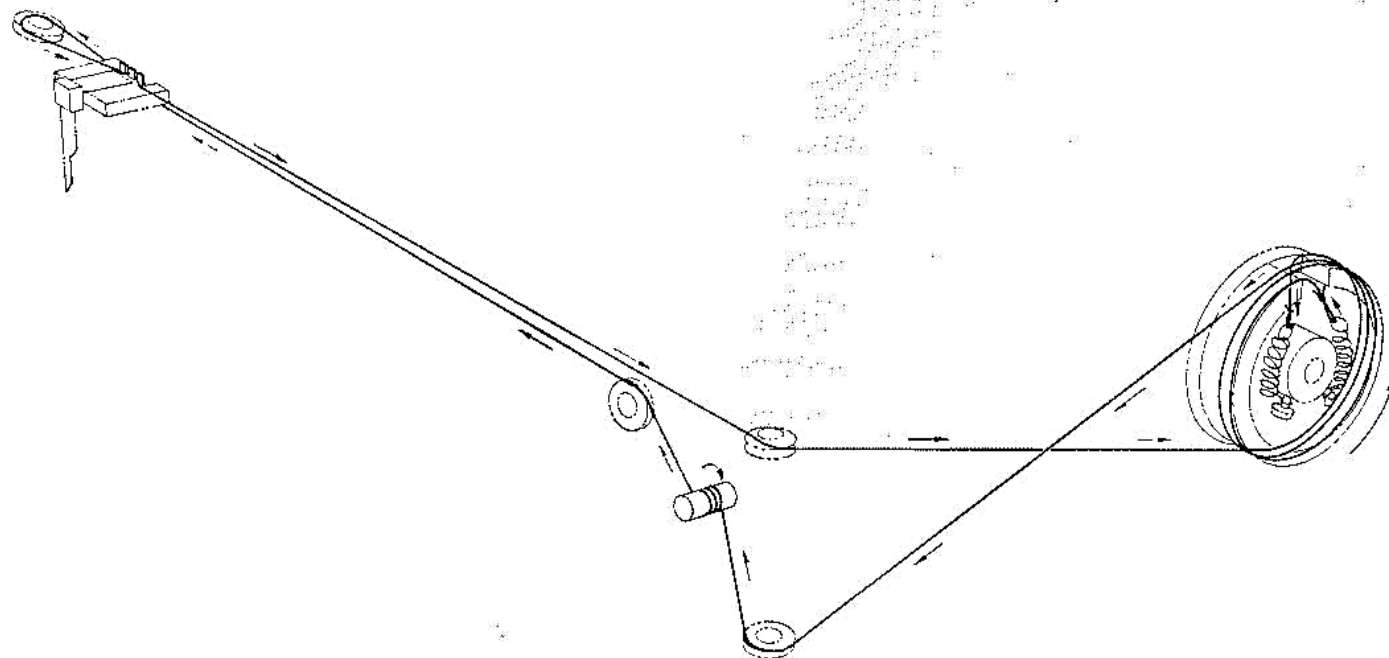
PROGRAM	SYMPTOM	PROBABLE CAUSE	WHAT TO DO
FM reception (Cont'd)	b. A series of pops is heard	* Ignition noise caused by an automobile engine.	* Increase the height of antenna or raise the antenna input as previously described.
	c. Distortion or no sound	* Out of tune due to frequency swing	* Retune the signal.
	d. Tuning noise between stations	* This noise results from the nature of FM reception. As the station signal becomes weak, the noise limiter effect is decreased. The amplification of the limiter, in turn, is enlarged and a noise is generated.	* Tune the signal at reduced volume.
FM-MPX reception	a. Noise heard during FM-MPX reception while not heard during FM mono reception	* The service area of the FM-MPX broadcast is only half that of the FM mono broadcast.	* Install the antenna for maximum antenna input. * Turn the TREBLE control from midpoint to left.
	b. Channel separation becomes worse during reception.	* Excess heat	* Make sure that air can flow underneath the amplifier.
	c. The stereo indicator comes on and off.	* Interference * Station signal is weak	* The indicator is not at fault. * Adjust VR ₄₀₁
	d. The stereo indicator comes on and off even though a stereo station is not received.	* Interference	* The indicator is not at fault. * Adjust VR ₄₀₁
Record playing or tape playback	a. Hum or howling	* Record player placed directly on the speaker box. * Use of unshielded wire. * Loose terminal contact. * Shielded wire too close to line cord, fluorescent lamp or other electrical appliances. * Nearby amateur radio station or TV transmission antenna.	* Put a cushion between the player and the speaker box or separate them. * The connecting shield wire should be as short as possible. * Turn the BASS control from midpoint to left. * Consult the nearest Radio Regulatory Bureau.
	b. Surface noise	* Worn or old record * Dusty record * Worn pick-up needle * Dusty needle * Improper needle pressure	* Remove dust from record and/or needle. * Replace needle. * Correct needle pressure. * Turn the TREBLE control properly from midpoint to left.
Overall stereo program	The BALANCE control is not at midpoint when equal sound comes from left and right channels	* It is important to adjust the control for equal sound from both channels. It should not always be set to midpoint.	* Set the MODE switch to the MONO position and then set the BALANCE control to the position where equal sound comes from both channels.

DISASSEMBLY PROCEDURE

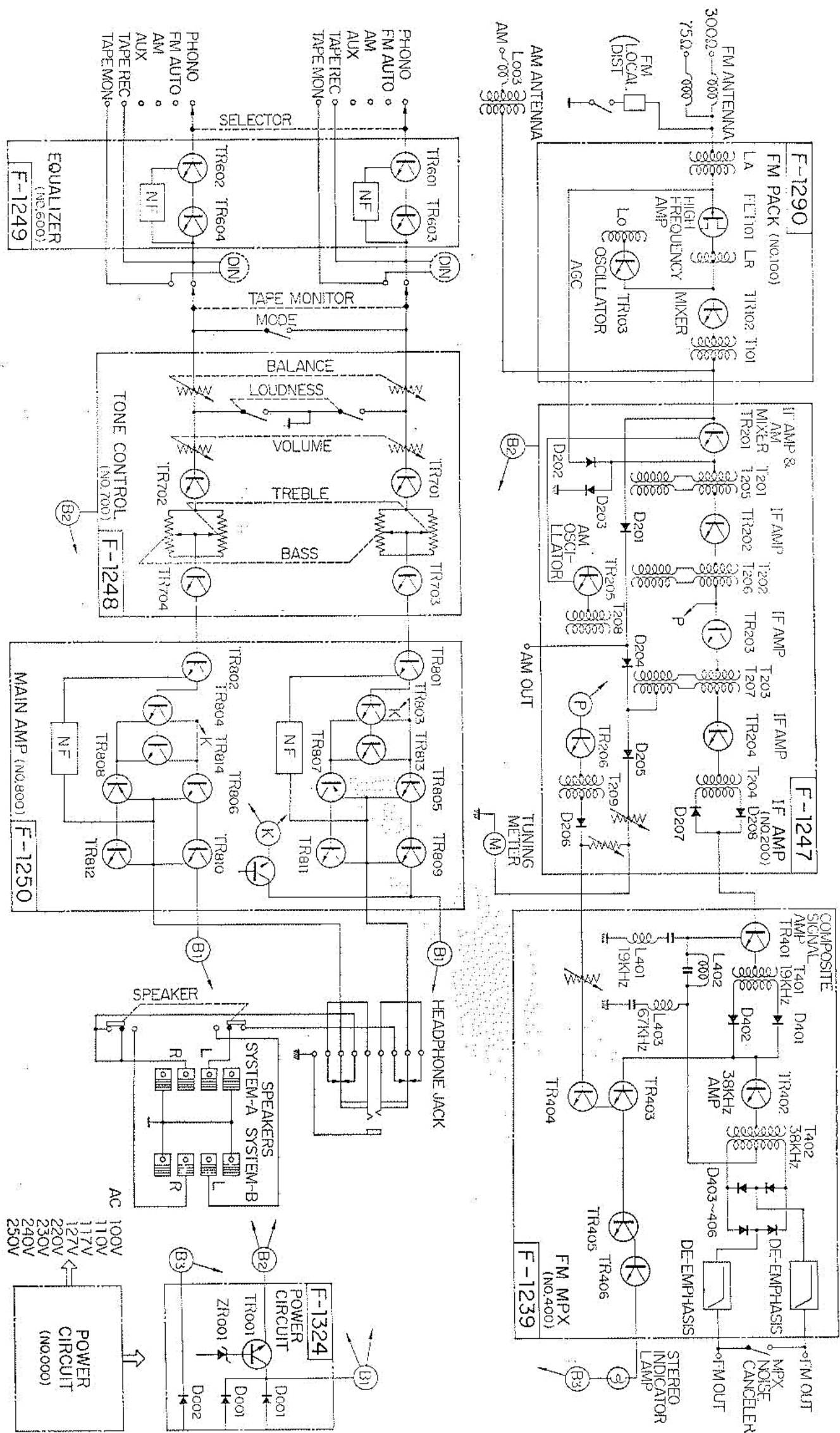
REMOVING THE FRONT PANEL, WOOD CASE AND BOTTOM PLATE



DIAL MECHANISM

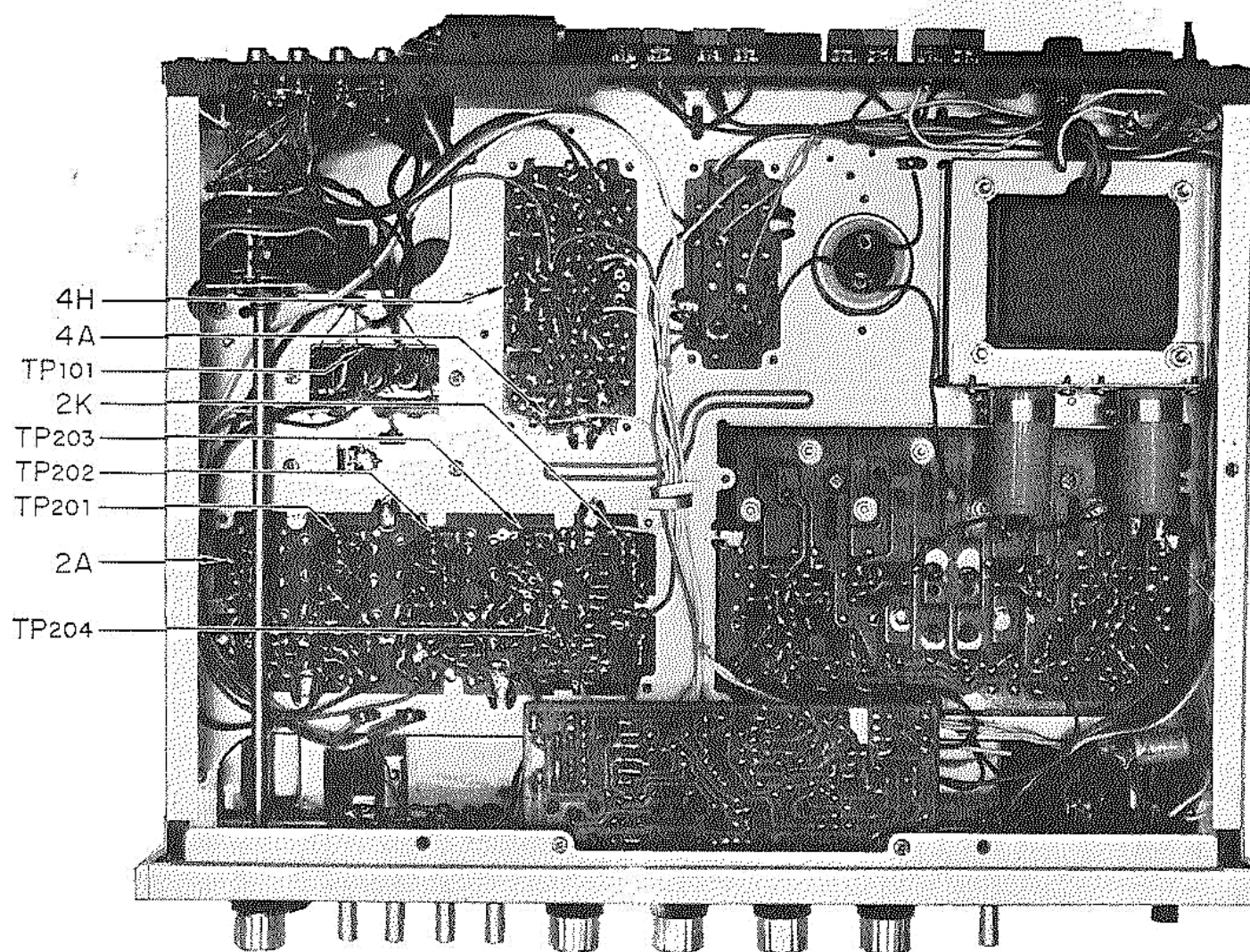
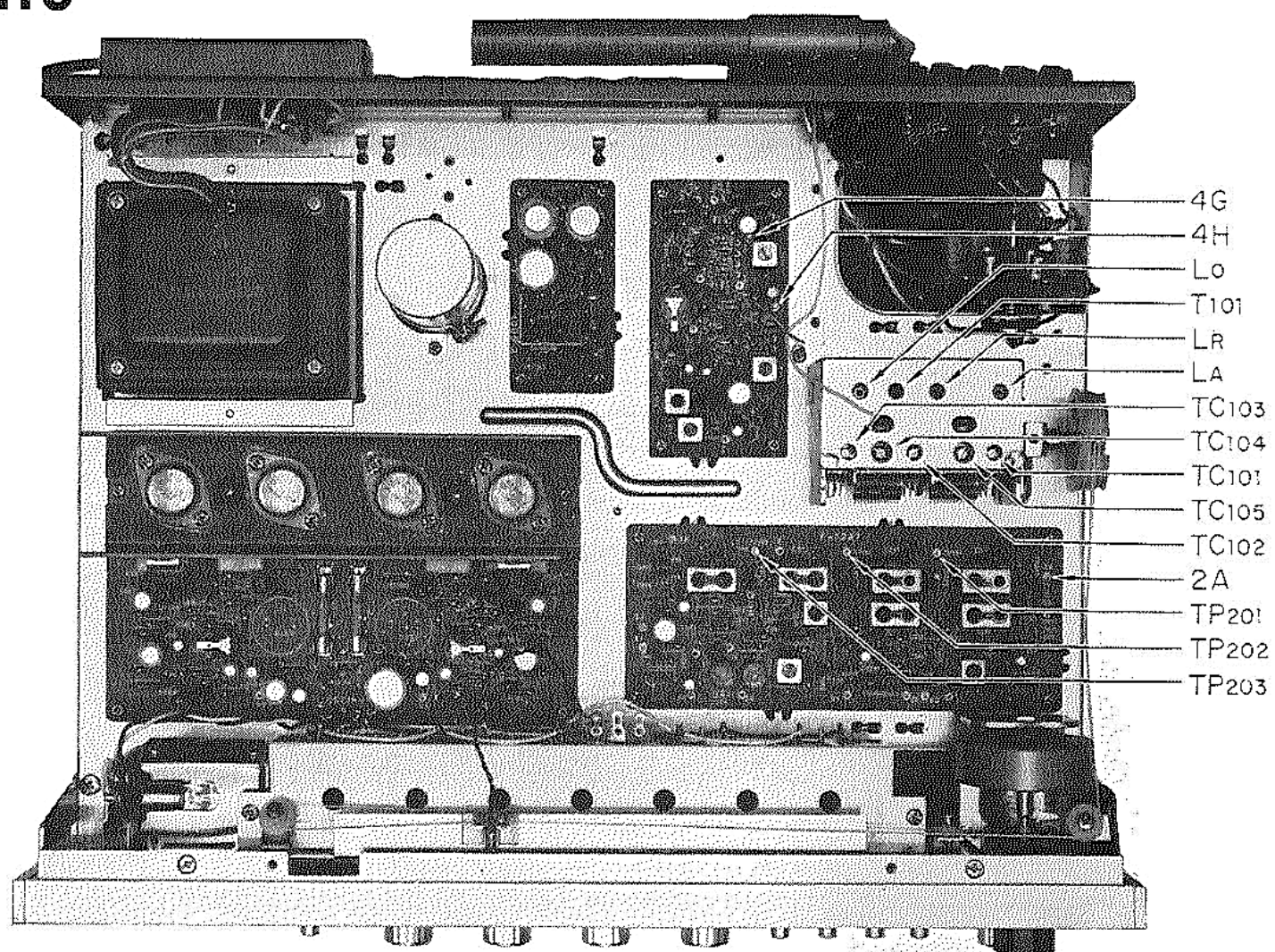


BLOCK DIAGRAM



ALIGNMENT

TEST POINTS

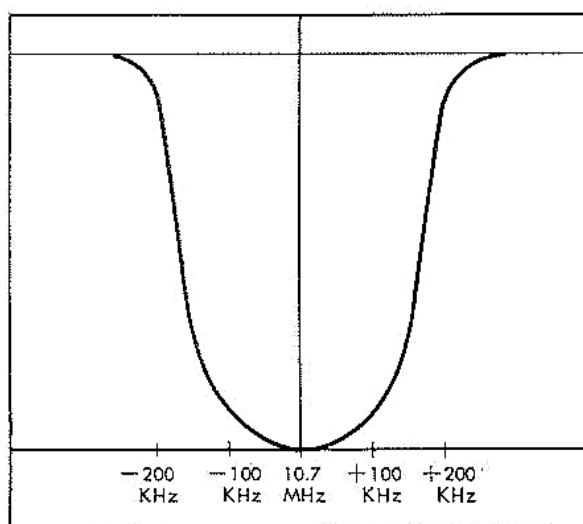


FM ALIGNMENT PROCEDURE

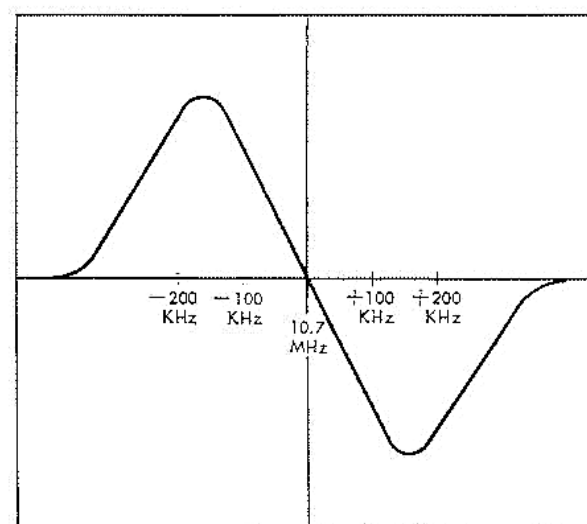
NOTE: To align, set the FM signal generator level to minimum, turn tuning gang fully, center carrier wave, and set pointer to reference mark.

STEP	ALIGN	GENERATOR	FEED SIGNAL	OUTPUT INDICATOR	DIAL SETTING	ADJUST	ADJUST FOR
1.	IF Trans-former	10.7 MHz ± 200 kHz	Sweep signal is sent to TP ₁₀₁ via the 10pF ceramic capacitor	Oscilloscope is connected to TP ₂₀₁ , TP ₂₀₂ and TP ₂₀₃ via the 0.02 μ F ceramic capacitor		Primary and secondary sides of T ₂₀₁ , T ₂₀₂ , and T ₂₀₃	Best I.F. wave form
2.	Discriminator	10.7 MHz ± 200 kHz	Sweep signal is sent to 2A via the 0.02 μ F ceramic capacitor	Oscilloscope is connected to 2K via the 0.05 μ F ceramic capacitor		FM Discriminator T ₂₀₄ primary and secondary	S curve
3.	O.S.C	88 MHz 400 Hz 100% Modulation	To antenna terminals	Oscilloscope and V.T.V.M. at output load	88 MHz	O.S.C. coil L ₀	Maximum
4.	O.S.C	108 MHz 400 Hz 100% Modulation	To antenna terminals	Oscilloscope and V.T.V.M. at output load	108 MHz	O.S.C. trimmer TC ₁₀₃	Maximum
5.	Repeat 3&4						
6.	RF Amp. Circuit	90 MHz 400 Hz 100% Modulation	To antenna terminals	Oscilloscope and V.T.V.M. at output load	90 MHz	Antenna Coil L _A and L _R	Maximum
7.	RF Amp. Circuit	106 MHz 400 Hz 100% Modulation	To antenna terminals	Oscilloscope and V.T.V.M. at output load	106 MHz	Trimmer TC ₁₀₁ and TC ₁₀₂	Maximum
8.	Repeat 6&7						

FM IF CHARACTERISTIC



FM DISCRIMINATOR CHARACTERISTIC



ALIGNMENT

FM MULTIPLEX ALIGNMENT PROCEDURE

1. Do not attempt to align the Multiplex Circuit unless the following equipment is available:

a. Multiplex Stereo Generator b. Oscilloscope c. AC. V.T.V.M. d. Audio Oscillator e. FM Signal Generator

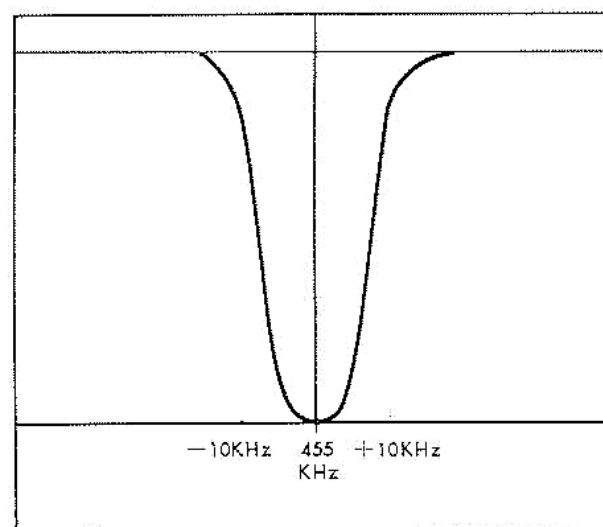
STEP	ALIGN	GENERATOR	FEED SIGNAL	OUTPUT INDICATOR	ADJUST	ADJUST FOR
1.	19 kHz Trap	19 kHz Audio Signal	Connect to 4A	V.T.V.M. at 4G	L ₄₀₁	Minimum
2.	67 kHz Trap	67 kHz Audio Signal	Connect to 4A	V.T.V.M. at 4G	L ₄₀₃	Minimum
3.	19 kHz Transformer	FM Signal Gen. Modulated 30% by STEREO Gen. sub-channel	Antenna terminals Tune to signal	V.T.V.M. and Oscilloscope at 4H	T ₄₀₁	Maximum
4.	38 kHz Transformer	FM Signal Gen. Modulated 30% by STEREO Gen.	Antenna terminals Tune to signal	V.T.V.M. and Oscilloscope at 4H	T ₄₀₂	Maximum
5.	38 kHz Transformer and Separation VR	FM Signal Gen. Modulated 30% by STEREO Signal Gen. channel-L	Antenna terminals Tune to signal	V.T.V.M. and Oscilloscope at output load channel-R	T ₄₀₂ within 1/4 turn and Separation VR (VR ₆₀₁)	Channel-R Minimum

AM ALIGNMENT PROCEDURE

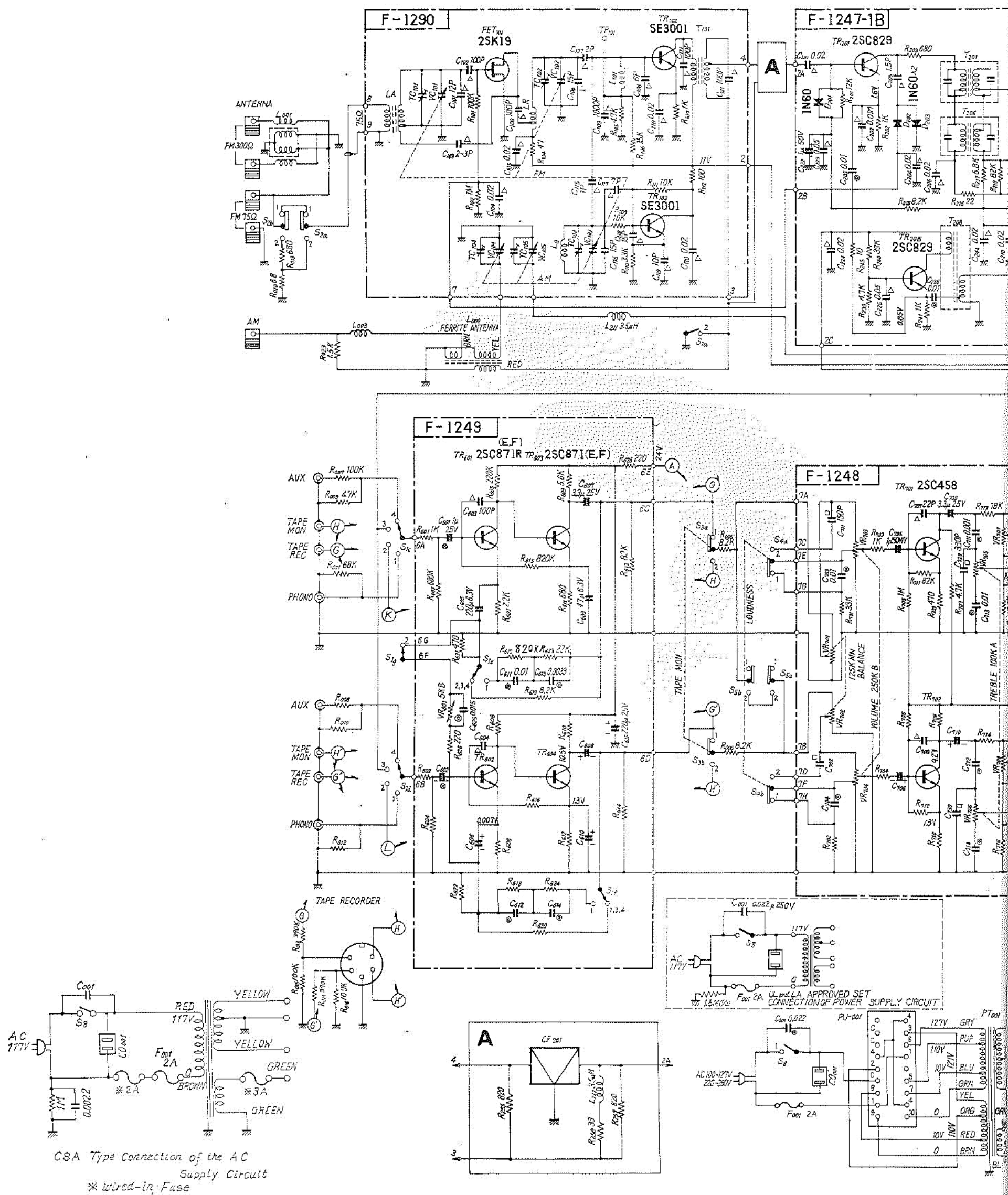
NOTE: To align, set AM signal Generator level to minimum.

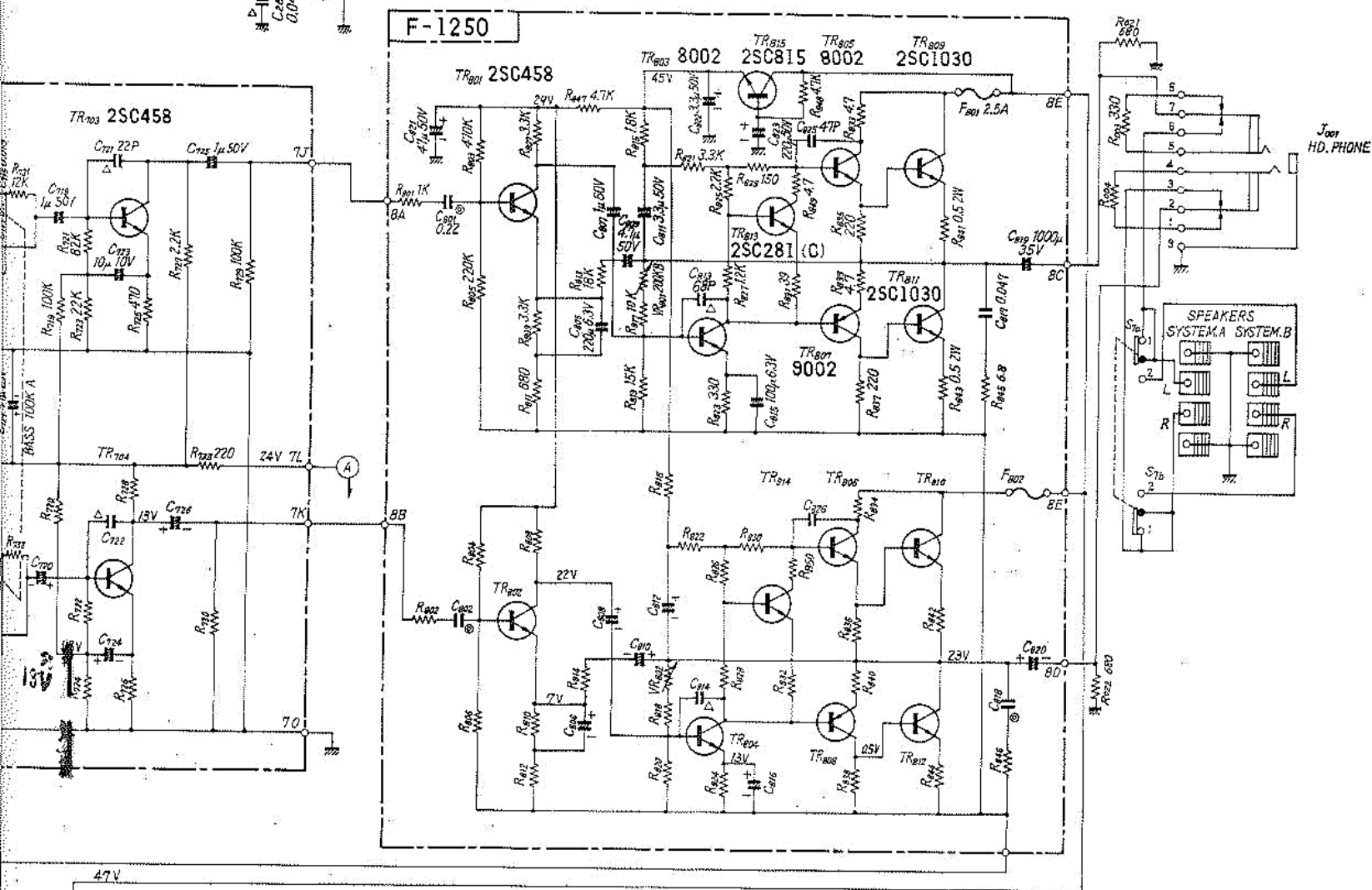
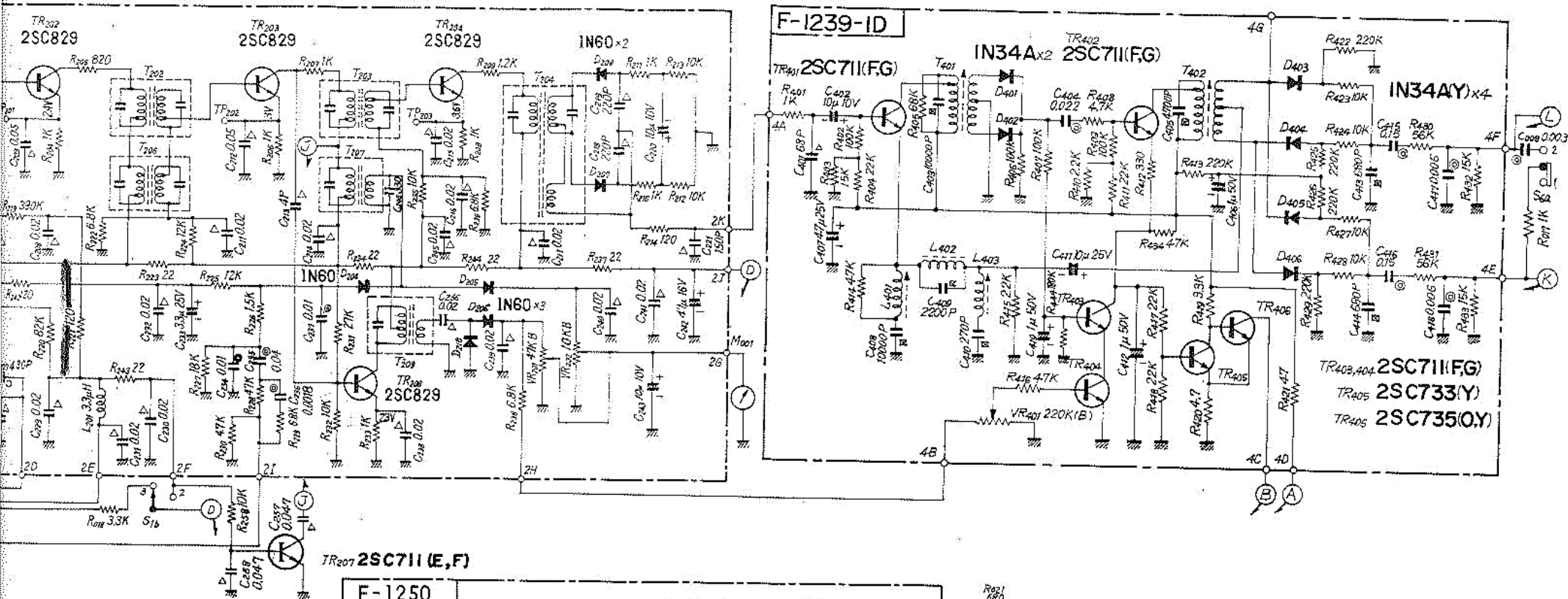
STEP	ALIGN	GENERATOR	FEED SIGNAL	OUTPUT INDICATOR	DIAL SETTING	ADJUST	ADJUST FOR
1.	I.F. Transformer	455 kHz ±30 kHz Sweep-generator	2A	Oscilloscope and V.T.V.M. is connected to TP ₂₀₄		Primary and secondary sides from the 1st I.F.T. (T ₂₀₅ ~T ₂₀₇)	Best I.F. wave form
2.	O.S.C.	AM-generator 600 kHz 400 Hz 30 % Modulation	Antenna terminals	Oscilloscope and V.T.V.M. at output load	600kHz	O.S.C. Coil T ₂₀₈	Maximum
3.	O.S.C.	AM-generator 1400 kHz 400 Hz 30 % Modulation	Antenna terminals	Oscilloscope and V.T.V.M. at output load	1400kHz	O.S.C. Trimmer cap. TC ₁₀₅	Maximum
4.	Repeat 2 and 3						
5.	Antenna circuit	AM-generator 600 kHz 400 Hz 30 % Modulation	Antenna terminals	Oscilloscope and V.T.V.M. at output load	600kHz	Ferrite bar Antenna coil L ₀₀₂	Maximum
6.	Antenna circuit	AM-generator 1400 kHz 400 Hz 30 % Modulation	Antenna terminals	Oscilloscope and V.T.V.M. at output load	1400kHz	Antenna circuit Trimmer TC ₁₀₄	Maximum
7.	Repeat 5 and 6						

AM IF CHARACTERISTIC



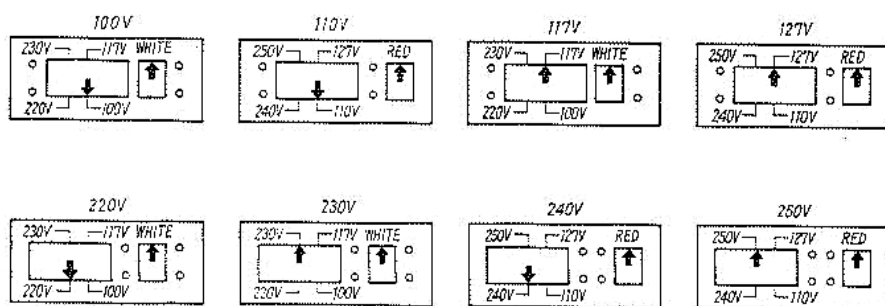
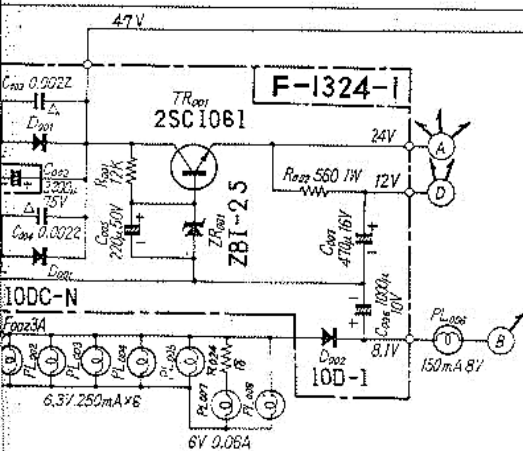
SCHEMATIC DIAGRAM



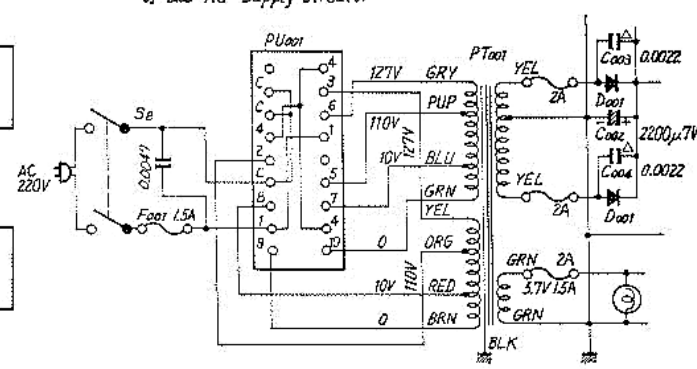


- S₁(a-t) SELECTOR**
 1 PHONO
 2 FM AUTO
 3 AM
 4 AUX
- S₂(a-b) ANT. SWITCH**
 1 DIST
 2 LOC
- S₃(a-b) TAPE MONITOR**
 1 SOURCE
 2 PLAY BACK
- S₄(a-b) LOUDNESS**
 1 OFF
 2 ON
- S₅(a-b) MODE**
 1 STEREO
 2 MONO L+R
- S₆(a-b) MPX NOISE CANCELER**
 1 OFF
 2 ON
- S₇(a-b) SPEAKER**
 1 A SYSTEM
 2 A+B SYSTEM
- S₈ POWER SWITCH**
 1 ON

- SYMBOL**
 ○ OIL
 △ CERAMIC
 ⊙ MYLAR
 ⊖ TANTALUM
 □ MICA
 ■ STYROL
 * WIRED-IN FUSE



European Type Connection
of the AC supply circuit.



PRINTED CIRCUIT BOARDS AND PARTS LIST

X: Parts No. Y: Parts Name Z: Position of Parts

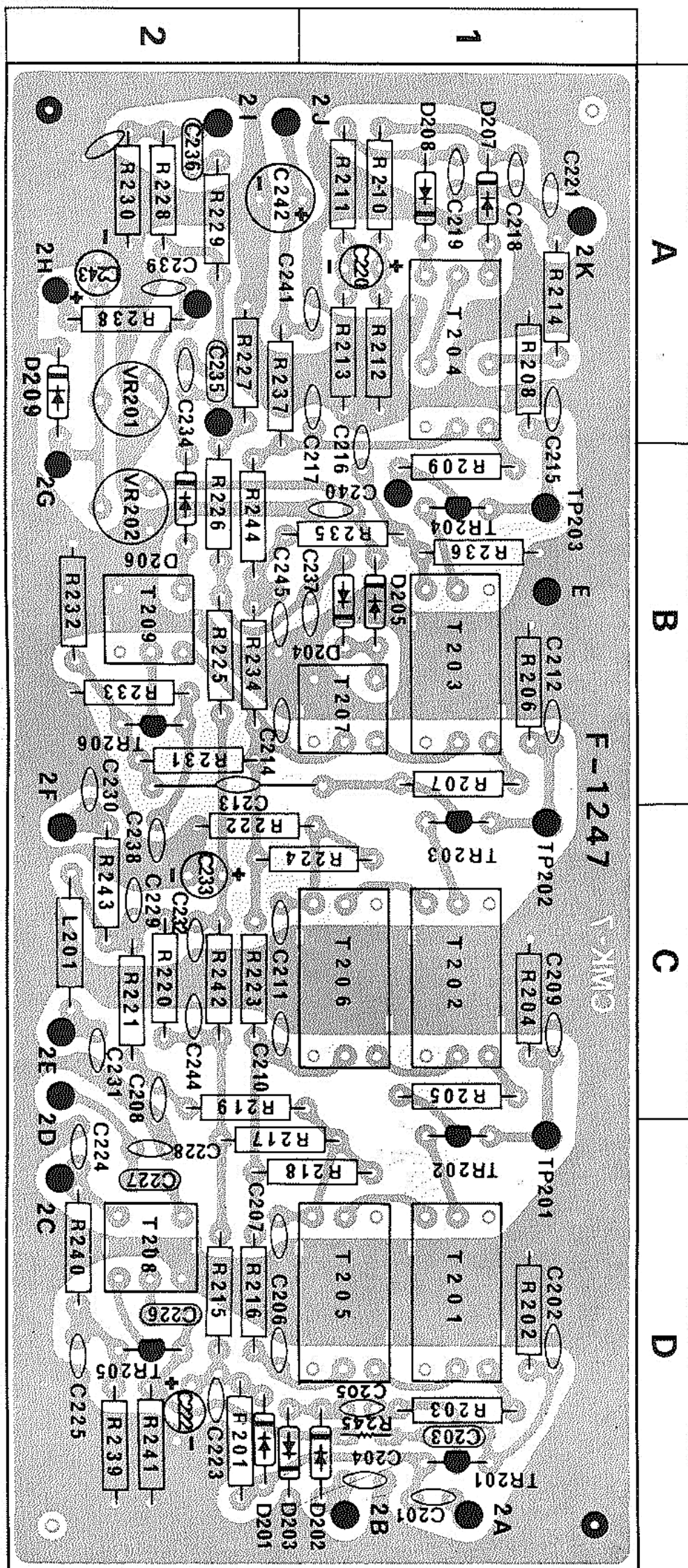
AM, FM IF BLOCK <F-1247-1B>

X	Y	Z
R201	12k Ω	(0101123) 2 D
R202	1k Ω	(0101102) 1 D
R203	680 Ω	(0101681) 1 D
R204	1k Ω	(0101102) 1 C
R205	820 Ω	(0101821) 1 C
R206	1k Ω	(0101102) 1 B
R207	1k Ω	(0101102) 1 B
R208	1k Ω	(0101102) 1 A
R209	1.2k Ω	(0101122) 1 B
R210	1k Ω	(0101102) 1 A
R211	1k Ω	(0101102) 1 A
R212	10k Ω	(0101103) 1 A
R213	10k Ω	(0101103) 1 A
R214	120 Ω	(0101121) 1 A
R215	8.2k Ω	(0101822) 2 D
R216	22 Ω	(0101220) 2 D
R217	6.8k Ω	(0101682) 1, 2 D
R218	82k Ω	(0101823) 1, 2 D
R219	390k Ω	(0101394) 1, 2 C
R220	82k Ω	(0101823) 2 C
R221	120 Ω	(0101121) 2 C
R222	6.8k Ω	(0101682) 1, 2 C
R223	22 Ω	(0101220) 2 C
R224	12k Ω	(0101123) 1, 2 C
R225	12k Ω	(0101123) 2 B
R226	1.5k Ω	(0101152) 2 B
R227	18k Ω	(0101183) 2 A
R228	47k Ω	(0101473) 2 A
R229	6.8k Ω	(0101682) 2 A
R230	4.7k Ω	(0101472) 2 A
R231	27k Ω	(0101273) 2 B
R232	10k Ω	(0101103) 2 B
R233	1k Ω	(0101102) 2 B
R234	22 Ω	(0101220) 2 B
R235	10k Ω	(0101103) 1, 2 B
R236	6.8k Ω	(0101682) 1 B
R237	22 Ω	(0101220) 2 A
R238	6.8k Ω	(0101682) 2 A
R239	4.7k Ω	(0101472) 2 D
R240	39k Ω	(0101393) 2 D
R241	1k Ω	(0101102) 2 D
R242	120 Ω	(0101121) 2 C
R243	22 Ω	(0101220) 2 C
R244	22 Ω	(0101220) 2 B
R245	10 Ω	(0101100) 1 D
VR201	47k Ω (B)	(1035260) 2 A
VR202	10k Ω (B)	(1035220) 2 B
C201	0.02 μ F $\pm 80\%$ 25V CE.	(0659005) 1 D
C202	0.01 μ F $\pm 20\%$ 50V CE.	(0652103) 1 D
C203	0.01 μ F $\pm 10\%$ 50V MY.	(0601107) 1 D
C204	0.02 μ F $\pm 80\%$ 25V CE.	(0659005) 1 D
C205	1.5pF $\pm 20\%$ 50V CE.	(0652159) 1 D
C206	0.02 μ F	(0659005) 2 D
C207	0.02 μ F	(0659005) 2 D
C208	0.02 μ F	(0650005) 2 C
C209	0.05 μ F $\pm 80\%$ 25V CE.	(0659007) 1 C
C210	0.02 μ F	(0659005) 2 C
C211	0.02 μ F	(0659005) 2 C
C212	0.05 μ F	(0659007) 1 B
C213	4pF $\pm 10\%$ 50V CE.	(0660409) 1, 2 B

X	Y	Z
C214	0.02 μ F	2 B
C215	0.02 μ F $\pm 80\%$ 25V CE.	1 A
C216	0.02 μ F $\pm 20\%$ 25V CE.	1 A, B
C217	0.02 μ F	1 A
C218	220pF $\pm 20\%$ 50V CE.	1 A
C219	220pF	1 A
C220	10 μ F 10V EL.	1 A
C221	150pF $\pm 20\%$ 50V CE.	1 A
C222	1 μ F 50V EL.	2 D
C223	0.05 μ F	(0659007) 2 D
C224	0.02 μ F $\pm 80\%$ 25V CE.	(0659005) 2 D
C225	0.05 μ F	(0659007) 2 D
C226	0.01 μ F $\pm 10\%$ 50V MY.	(0601106) 2 D
C227	470pF $\pm 5\%$ 50V ST.	(0623471) 2 D
C228	15pF $\pm 10\%$ 50V CE.	(0652150) 2 D
C229	0.02 μ F	2 C
C230	0.02 μ F $\pm 80\%$ 25V CE.	2 B, C
C231	0.02 μ F	2 C
C232	0.02 μ F	2 C
C233	3.3 μ F 50V EL.	(0513339) 2 C
C234	0.01 μ F	(0601106) 2 A
C235	0.04 μ F $\pm 10\%$ 50V MY.	(0601406) 2 A
C236	0.0018 μ F	(0601186) 2 A
C237	0.01 μ F	(0601106) 1 B
C238	0.02 μ F	2 C
C239	0.02 μ F $\pm 80\%$ 25V CE.	(0659005) 2 A
C240	0.02 μ F	1 B
C241	0.02 μ F	1 A
C242	47 μ F 16V EL.	(0512470) 1, 2 A
C243	10 μ F 10V EL.	(0511100) 2 A
C244	0.02 μ F $\pm 80\%$ 25V CE.	(0659005) 2 C
C245	0.02 μ F	2 B
C246	330pF $\pm 20\%$ 50V CE.	(0652331)
C256	0.02 μ F $\pm 80\%$ 25V CE.	(0659005) 2 B
TR201	2SC829 (B, C)	1 D
TR202	2SC829 (B, C)	1 D
TR203	2SC829 (B, C)	1 C
TR204	2SC829 (B, C)	(0305460, 1) 1 B
TR205	2SC829 (B, C)	2 D
TR206	2SC829 (B, C)	2 B
D201	IN60	2 D
D202	IN60	1 D
D203	IN60	2 D
D204	IN60	(0310330) 1 B
D205	IN60	1 B
D206	IN60	2 B
D207	IN60	1 A
D208	IN60	1 A
D218	IN60	2 B
T201	FM IFT	(4235610) 1 D
T202	FM IFT	10.7MHz (4235610) 1 C
T203	FM IFT	(4235600) 1 B
T204	FM Detector	10.7MHz (4235620) 1 A
T205	AM IFT	(4230370) 1 D
T206	AM IFT	455kHz (4230370) 1 C
T207	AM IFT	(4230380) 1 B
T208	AM OSC	(4220190) 2 D
T209	FM Meter Transformer	(4235400) 2 B
L201	3.5 μ H RF Choke Coil	(4290010) 2 C

CB : Carbon Resistor
 SL : Solid Resistor
 CM: Cement Resistor
 MY: Mylar Capacitor
 EL : Electrolytic Capacitor

MC: Mica capacitor
 O : Oil capacitor
 ST : Styrol Capacitor
 CE : Ceramic Capacitor
 TA : Tantalum Capacitor



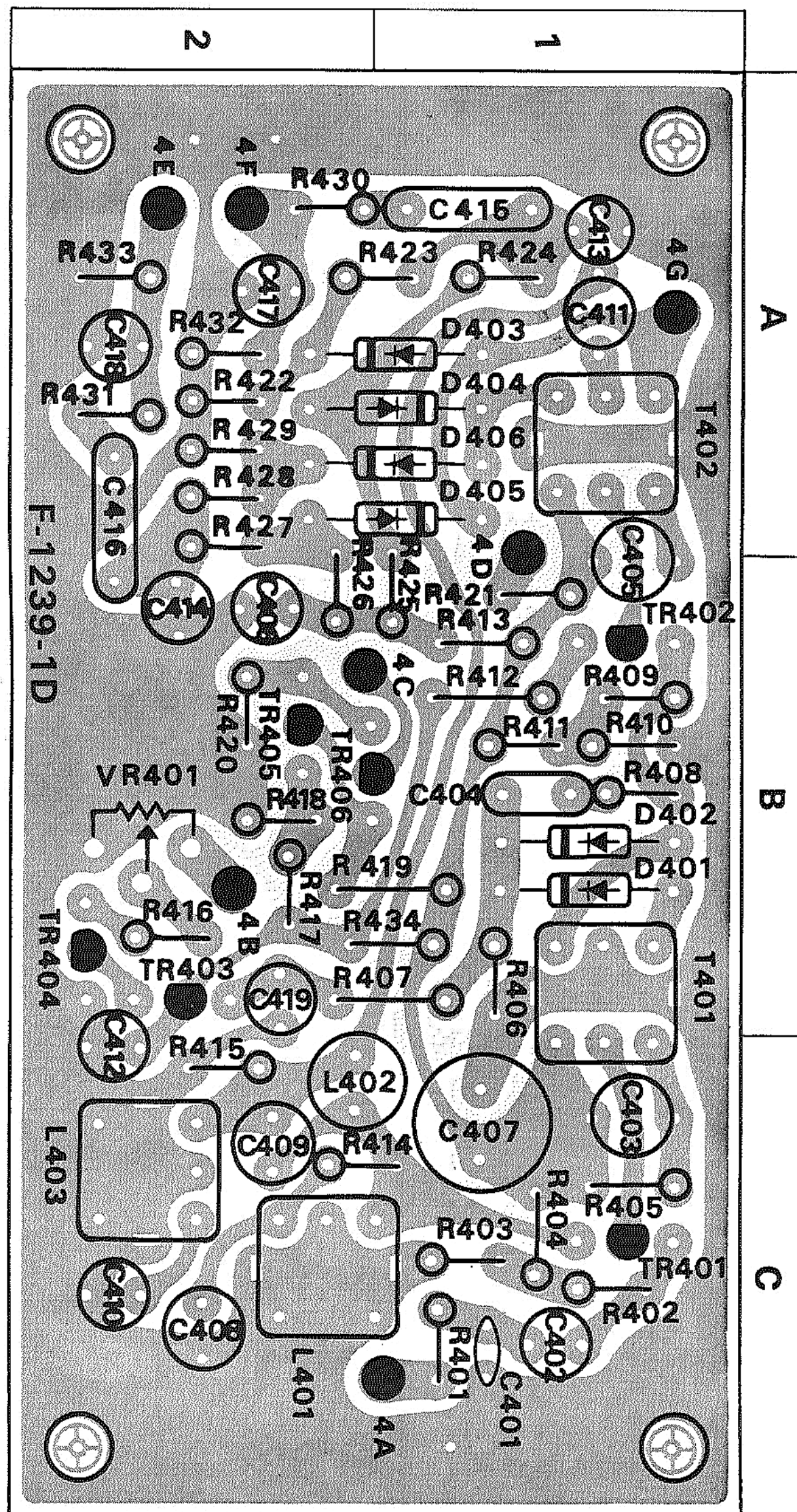
PRINTED CIRCUIT BOARDS AND PARTS LIST

X: Parts No. Y: Parts Name Z: Position of Parts

FM MPX. BLOCK <F-1239-1D>

X	Y		Z
R401	1k Ω	(0100102)	1 C
R402	100k Ω	(0100104)	1 C
R403	15k Ω	(0100153)	1 C
R404	22k Ω	(0100223)	1 C
R405	68k Ω	(0100683)	1 C
R406	100k Ω	(0100104)	1 B
R407	100k Ω	(0100104)	1, 2 B
R408	4.7k Ω	(0100472)	1 B
R409	100k Ω	(0100104)	1 B
R410	2.2k Ω	(0100222)	1 B
R411	22k Ω	(0100223)	1 B
R412	330 Ω	(0100331)	1 B
R413	220k Ω	(0100224)	1 B
R414	47k Ω	(0100473)	1, 2 C
R415	2.2k Ω	(0100222)	2 C
R416	47k Ω	(0100473)	2 B
R417	22k Ω	(0100223)	2 B
R418	22k Ω	(0100223)	2 B
R419	3.3k Ω	(0100332)	1, 2 B
R420	4.7 Ω	(0100479)	2 B
R421	47 Ω	(0100470)	1 B
R422	220k Ω	(0100224)	2 A
R423	10k Ω	(0100103)	1, 2 A
R424	10k Ω	(0100103)	1 A
R425	220k Ω	(0100224)	1 B
R426	220k Ω	(0100224)	2 B
R427	10k Ω	(0100103)	2 A
R428	10k Ω	(0100103)	2 A
R429	220k Ω	(0100224)	2 A
R430	56k Ω	(0100563)	2 A
R431	56k Ω	(0100563)	2 A
R432	15k Ω	(0100153)	2 A
R433	15k Ω	(0100153)	2 A
R434	47k Ω	(0100473)	1, 2 B
R444	180k Ω	(0100184)	2 B
VR401	200k Ω (B) Stereo Indicator Adj.	(1032150)	2 B
C401	68 pF $\pm 10\%$ 50 V CE.	(0660680)	1 C
C402	10 μ F 10 V EL.	(0511100)	1 C
C403	10000 pF $\pm 5\%$ 50 V ST.	(0620103)	1 C
C404	0.022 μ F $\pm 10\%$ 50 V MY.	(0601227)	1 B
C405	4700 pF $\pm 5\%$ 50 V ST.	(0620472)	1 A, B
C406	1 μ F 50 V EL.	(0515109)	2 B
C407	47 μ F 25 V EL.	(0513470)	1 C
C408	10000 pF	(0620103)	2 C
C409	2200 pF $\pm 5\%$ 50 V ST.	(0620222)	2 C
C410	270 pF	(0620271)	2 C
C411	10 μ F 25 V EL.	(0513100)	1 A
C412	1 μ F 50 V EL.	(0515109)	2 C
C413	680 pF $\pm 5\%$ 50 V ST.	(0620681)	1 A
C414	680 pF	(0620681)	2 B
C415	0.15 μ F $\pm 10\%$ 50 V MY.	(0601158)	1 A
C416	0.15 μ F	(0601158)	2 A
C417	0.006 μ F $\pm 5\%$ 50 V MY.	(0600406)	2 A
C418	0.006 μ F	(0600406)	2 A
C419	1 μ F 50 V EL.	(0515109)	2 A

X	Y		Z
TR401	2SC711 (F,G)		1 C
TR402	2SC711 (F,G)		1 B
TR403	2SC711 (F,G)	(0305732, 3)	2 B
TR404	2SC711 (F,G)		2 B
TR405	2SC733 (Y)	(0305371)	2 B
TR406	2SC735 (O,Y)	(0305640, 1)	1, 2 B
D401	IN34A		1 B
D402	IN34A	(0310400)	1 B
D403	IN34A (Y)		1 A
D404	IN34A (Y)		1 A
D405	IN34A (Y)	(0310401)	1 A
D406	IN34A (Y)		1 A
T401	19kHz Coil	(4240580)	1 B
T402	38kHz Coil	(4240600)	1 A
L401	19kHz Coil	(4240590)	2 C
L402	Micro Inductor	(4900100)	1, 2 C
L403	67kHz Coil	(4240410)	2 C

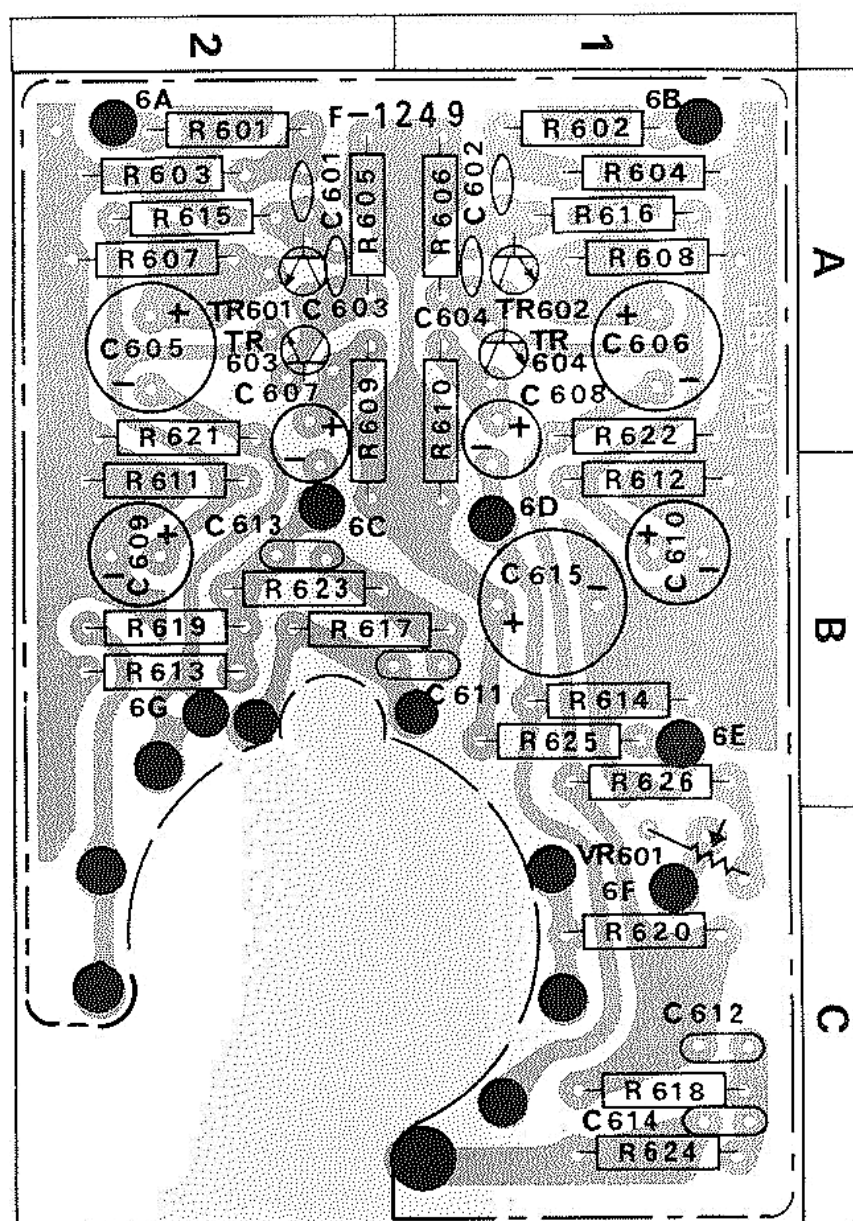


PRINTED CIRCUIT BOARDS AND PARTS LIST

X: Parts No. Y: Parts Name Z: Position of Parts

HEAD AMP. BLOCK <F-1249>

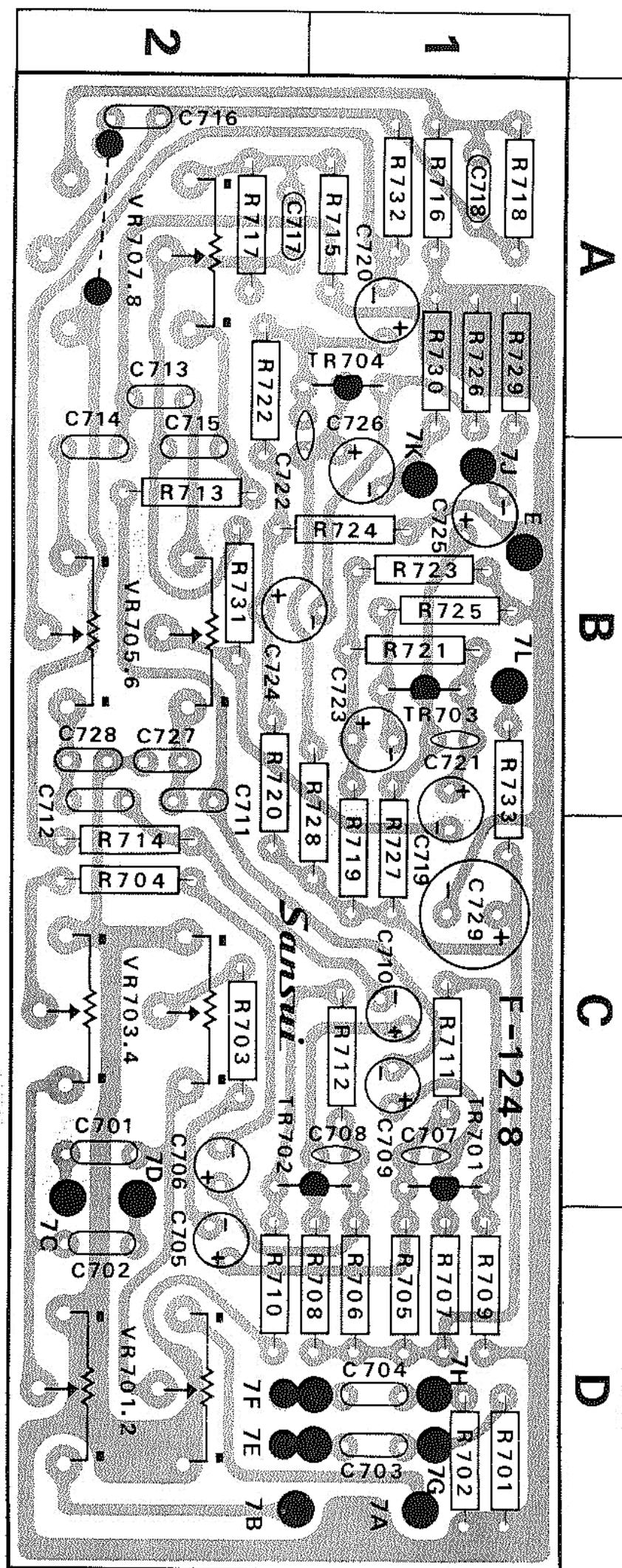
X	Y		Z
R601	1k Ω	(0101102)	2A
R602	1k Ω	(0101102)	1A
R603	680k Ω	(0101684)	2A
R604	680k Ω	(0101684)	1A
R605	220k Ω	(0101224)	2A
R606	220k Ω	(0101224)	1A
R607	2.2k Ω	(0101222)	2A
R608	2.2k Ω	(0101222)	1A
R609	5.6k Ω	(0101562)	2A, B
R610	5.6k Ω	(0101562)	1A, B
R611	680 Ω	(0101681)	2B
R612	680 Ω	(0101681)	1B
R613	82k Ω	$\pm 10\%$ $\frac{1}{4}W$ CB. (0101823)	2B
R614	82k Ω	(0101823)	1B
R615	820k Ω	(0101824)	2A
R616	820k Ω	(0101824)	1A
R617	820k Ω	(0101824)	1, 2B
R618	820k Ω	(0101824)	1C
R619	8.2k Ω	(0101822)	2B
R620	8.2k Ω	(0101822)	1C
R621	470 Ω	(0101471)	2A
R622	470 Ω	(0101471)	1A
R623	22k Ω	(0101223)	2B
R624	22k Ω	(0101223)	1C
R625	220 Ω	(0101221)	1B
R626	220 Ω	(0101221)	1B
VR601	5k Ω (B) Separation Adj.	(1030370)	1C
C601	1 μF	$\pm 40\%$ 25V TA. (0573109)	2A
C602	1 μF	$\pm 20\%$ 25V TA. (0573109)	1A
C603	100pF	$\pm 10\%$ 50V CE. (0660101)	2A
C604	100pF	$\pm 10\%$ 50V CE. (0660101)	1A
C605	220 μF	6.3V (0510221)	2A
C606	220 μF	6.3V (0510221)	1A
C607	3.3 μF	25V EL. (0513339)	2A, B
C608	3.3 μF	25V EL. (0513339)	1A, B
C609	47 μF	6.3V (0510470)	2B
C610	47 μF	6.3V (0510470)	1B
C611	0.01 μF	(0601107)	1, 2B
C612	0.01 μF	(0601107)	1C
C613	0.0033 μF	$\pm 10\%$ 50V MY. (0601336)	2B
C614	0.0033 μF	(0601336)	1C
C615	220 μF	25V EL. (0513221)	1B
C625	0.015 μF	$\pm 10\%$ 50V MY. (0601157)	1C
TR601	2SC871R (E, F)	(0305474, 5)	2A
TR602	2SC871R (E, F)		1A
TR603	2SC871 (E, F)	(0305471, 2)	2A
TR604	2SC871 (E, F)		1A



tone control block <F-1248>

X	Y		Z
R701	33k Ω	(0101333)	1D
R702	33k Ω	(0101333)	1D
R703	1k Ω	(0101102)	2C
R704	1k Ω	(0101102)	2C
R705	1M Ω	(0101106)	1D
R706	1M Ω	(0101106)	1D
R707	4.7k Ω	(0101472)	1D
R708	4.7k Ω	$\pm 10\%$ $\frac{1}{4}W$ CB. (0101472)	1D
R709	470 Ω	(0101471)	1D
R710	470 Ω	(0101471)	2D
R711	82k Ω	(0101823)	1C
R712	82k Ω	(0101823)	1C
R713	18k Ω	(0101183)	2B
R714	18k Ω	(0101183)	2C
R715	3.3k Ω	(0101332)	1A
R716	3.3k Ω	(0101332)	1A

X	Y		Z
R717	22k Ω	(0101223)	2A
R718	22k Ω	(0101223)	1A
R719	100k Ω	(0101104)	1B, C
R720	100k Ω	(0101104)	2B, C
R721	82k Ω	(0101823)	1B
R722	82k Ω	(0101823)	2A, B
R723	22k Ω	(0101223)	1B
R724	22k Ω	(0101223)	1, 2B
R725	470 Ω	$\pm 10\%$ $\frac{1}{4}$ W CB. (0101471)	1B
R726	470 Ω	(0101471)	1A
R727	2.2k Ω	(0101222)	1B, C
R728	2.2k Ω	(0101222)	1B, C
R729	100k Ω	(0101104)	1A
R730	100k Ω	(0101104)	1A
R731	12k Ω	(0101123)	2B
R732	12k Ω	(0101123)	1A
R733	220 Ω	(0101221)	1B, C
VR701,702	125k Ω (MN)	(1010220)	2D
VR703,704	250k Ω (B) $\times 2$	(1010200)	2C
VR705,706	100k Ω (A) $\times 2$	(1010230)	2B
VR707,708	100k Ω (A) $\times 2$	(1010230)	2A
C701	150pF	$\pm 10\%$ 50V MC. (0641151)	2C
C702	150pF		2D
C703	0.01 μ F	$\pm 10\%$ 50V MY. (0601107)	1D
C704	0.01 μ F		1D
C705	1 μ F	50V EL. (0515109)	2D
C706	1 μ F		2C
C707	22pF	$\pm 10\%$ 50V CE. (0660220)	1C
C708	22pF		1C
C709	3.3 μ F	25V EL. (0513339)	1C
C710	3.3 μ F		1C
C711	0.001 μ F	(0601106)	2B
C712	0.001 μ F	(0601106)	2B
C713	0.01 μ F	$\pm 10\%$ 50V MY. (0601107)	2A
C714	0.01 μ F	(0601107)	2B
C715	0.015 μ F	(0601157)	2B
C716	0.015 μ F	(0601157)	2A
C717	0.1 μ F	$\pm 10\%$ 50V MY. (0601108)	2A
C718	0.1 μ F	(0601108)	1A
C719	1 μ F	50V EL. (0515109)	1B, C
C720	1 μ F		1A
C721	22pF	$\pm 10\%$ 50V CE. (0660220)	1B
C722	22pF		1A, B
C723	10 μ F	10V EL. (0511100)	1B
C724	10 μ F		1, 2B
C725	1 μ F	50V EL. (0515109)	1B
C726	1 μ F		1B
C727	330pF	$\pm 10\%$ 50V MC. (0641331)	2B
C728	330pF		2B
C729	47 μ F	25V EL. (0513470)	1C
TR701	2SC458LG (B, C)		1C
TR702	2SC458LG (B, C)	(0305313, 4)	1, 2C
TR703	2SC458LG (B, C)		1B
TR704	2SC458LG (B, C)		1A



PRINTED CIRCUIT BOARDS AND PARTS LIST

X: Parts No. Y: Parts Name Z: Position of Parts

DRIVER BLOCK <F-1250>

X	Y	Z
R801	1k Ω	(0101102) 1 B, C
R802	1k Ω	(0101102) 1 A, B
R803	470k Ω	(0101474) 1 C
R804	470k Ω	(0101474) 1 A
R805	220k Ω	(0101224) 1 C
R806	220k Ω	(0101224) 1 A
R807	3.3k Ω	(0101332) 1 C
R808	3.3k Ω	(0101332) 1 A
R809	3.3k Ω	(0101332) 1 C
R810	3.3k Ω	(0101332) 1 A
R811	680 Ω	(0101681) 1 C
R812	680 Ω	(0101681) 1 A
R813	18k Ω	(0101183) 1 C
R814	18k Ω	(0101183) 1 A
R815	1.8k Ω	(0101182) 1 B, C
R816	1.8k Ω	(0101182) 1 A, B
R817	10k Ω	(0101103) 1 C
R818	10k Ω	(0101103) 1 A
R819	15k Ω	(0101153) 1 C
R820	15k Ω	(0101153) 1 A
R821	3.3k Ω $\pm 10\%$ $\frac{1}{4}$ W CB.	(0101332) 1, 2 C
R822	3.3k Ω	(0101332) 1, 2 A
R823	330 Ω	(0101331) 2 C
R824	330 Ω	(0101331) 2 A
R825	2.2k Ω	(0101222) 2 B, C
R826	2.2k Ω	(0101222) 2 A, B
R827	1.2k Ω	(0101122) 2 C
R828	1.2k Ω	(0101122) 2 A
R829	150 Ω	(0101151) 2 B
R830	150 Ω	(0101151) 2 B
R831	39 Ω	(0101390) 2 C
R832	39 Ω	(0101390) 2 A
R833	4.7 Ω	(0101479) 2 B
R834	4.7 Ω	(0101479) 2 B
R835	220 Ω	(0101221) 2 C
R836	220 Ω	(0101221) 2 A, B
R837	220 Ω	(0101221) 2 C
R838	220 Ω	(0101221) 2 A
R839	4.7 Ω	(0101479) 2 C
R840	4.7 Ω	(0101479) 2 A
R841	0.47 Ω	2 B, C
R842	0.47 Ω	2 A, B
R843	0.47 Ω $\pm 10\%$ 2W CM.	(0132478) 2 C
R844	0.47 Ω	2 A
R845	6.8 Ω	2 C
R846	6.8 Ω $\pm 10\%$ $\frac{1}{2}$ W SL.	(0111689) 2 A
R847	4.7k Ω	(0101472) 1 B
R848	4.7k Ω	(0101472) 1 B
R849	4.7 Ω $\pm 10\%$ $\frac{1}{4}$ W CB.	(0101479) 2 C
R850	4.7 Ω	(0101479) 2 A
VR801	200k Ω (B) AC Balance Adj.	(1030350) 1 C
VR802	200k Ω (B) AC Balance Adj.	(1030350) 1 A
C801	0.22 μ F $\pm 10\%$ 50V MY.	(0601228) 1 C
C802	0.22 μ F	1 A

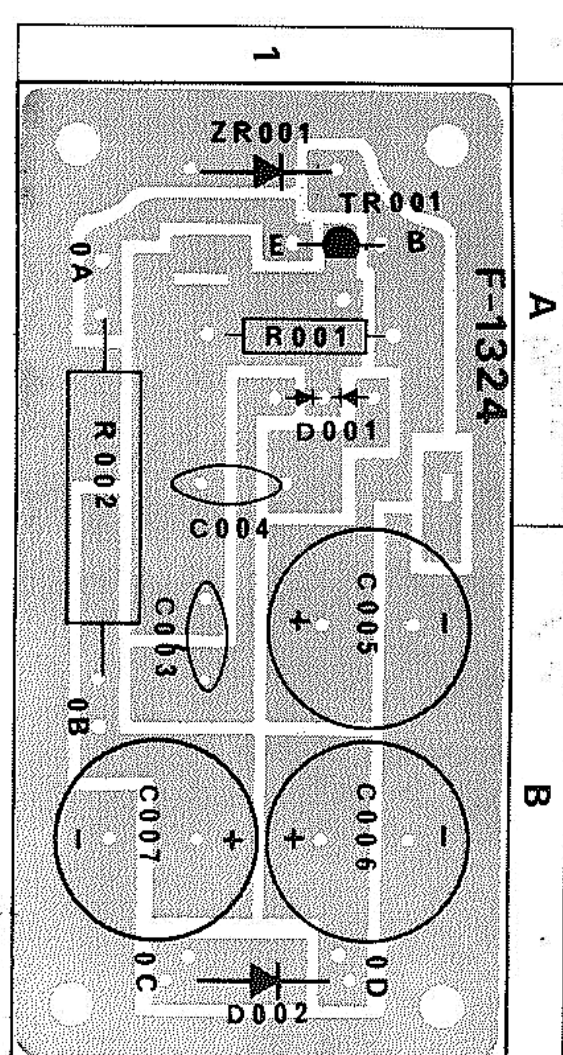
X	Y	Z
C805	220 μ F	6.3V EL. (0510221) 1 C
C806	220 μ F	1 A
C807	1 μ F	(0515109) 1 C
C808	1 μ F	(0515109) 1 A
C809	4.7 μ F	50V EL. (0515479) 1 C
C810	4.7 μ F	(0515479) 1 A
C811	3.3 μ F	(0515339) 1 B
C812	3.3 μ F	(0515339) 1 B
C813	68pF	$\pm 10\%$ 50V CE. (0660680) 1 C
C814	68pF	1 A
C815	100 μ F	6.3V EL. (0510101) 2 C
C816	100 μ F	2 A
C817	0.047 μ F	$\pm 10\%$ 50V MY. (0601477) 2 C
C818	0.047 μ F	2 A
C819	1000 μ F	35V EL. (0549004) 1, 2 B
C820	1000 μ F	1, 2 B
C821	47 μ F	(0515470) 1 B
C822	3.3 μ F	50V EL. (0515339) 1 B
C823	220 μ F	(0515221) 1 B
C825	47pF	$\pm 10\%$ 50V CE. (0660470)
C826	47pF	
TR801	2SC458LG (B, C)	(0315313, 4) 1 C
TR802	2SC458LG (B, C)	1 A
TR803	2SC875(E)	2 C
TR804	2SC875(E)	(0305981) 2 A
TR805	2SC875(E)	2 B
TR806	2SC875(E)	2 B
TR807	2SA532(E)	(0300371) 2 C
TR808	2SA532(E)	2 A
TR809	2SC1030 (B, C)	(0305631, 2)
TR810	2SC1030 (B, C)	
TR811	2SC1030 (B, C)	
TR812	2SC1030 (B, C)	
TR813	2SC281 (C)	(0305122) 2 C
TR814	2SC281 (C)	2 A
TR815	2SC815 (L, K)	(0305431, 2) 1 B
F801	2.5A Quick-Acting Fuse	(0433240) 2 B
F802		2 B

PRINTED CIRCUIT BOARDS AND PARTS LIST

X: Parts No. Y: Parts Name Z: Position of Parts

POWER BLOCK <F-1324-1>

X	Y	Z
R001	12k Ω $\pm 10\%$ $\frac{1}{2}$ W SL. (0111123)	1 A
R002	560 Ω $\pm 10\%$ 1W CB. (0104561)	1 A, B
C003	0.0022 μ F $\pm 20\%$ 500V CE. (0653223)	1 B
C004	0.0022 μ F $\pm 20\%$ 500V CE. (0653223)	1 A
C005	220 μ F 50V (0515221)	1 B
C006	1000 μ F 10V EL. (0511102)	1 B
C007	470 μ F 16V (0512471)	1 B
TR001	2SC1061 (A, B, C) (0305770, 1, 2)	1 A
D001	10DC (N) (0310680)	1 A
D002	10D-1 (0310340)	1 B
ZR001	ZBI-25 (0310710)	1 A

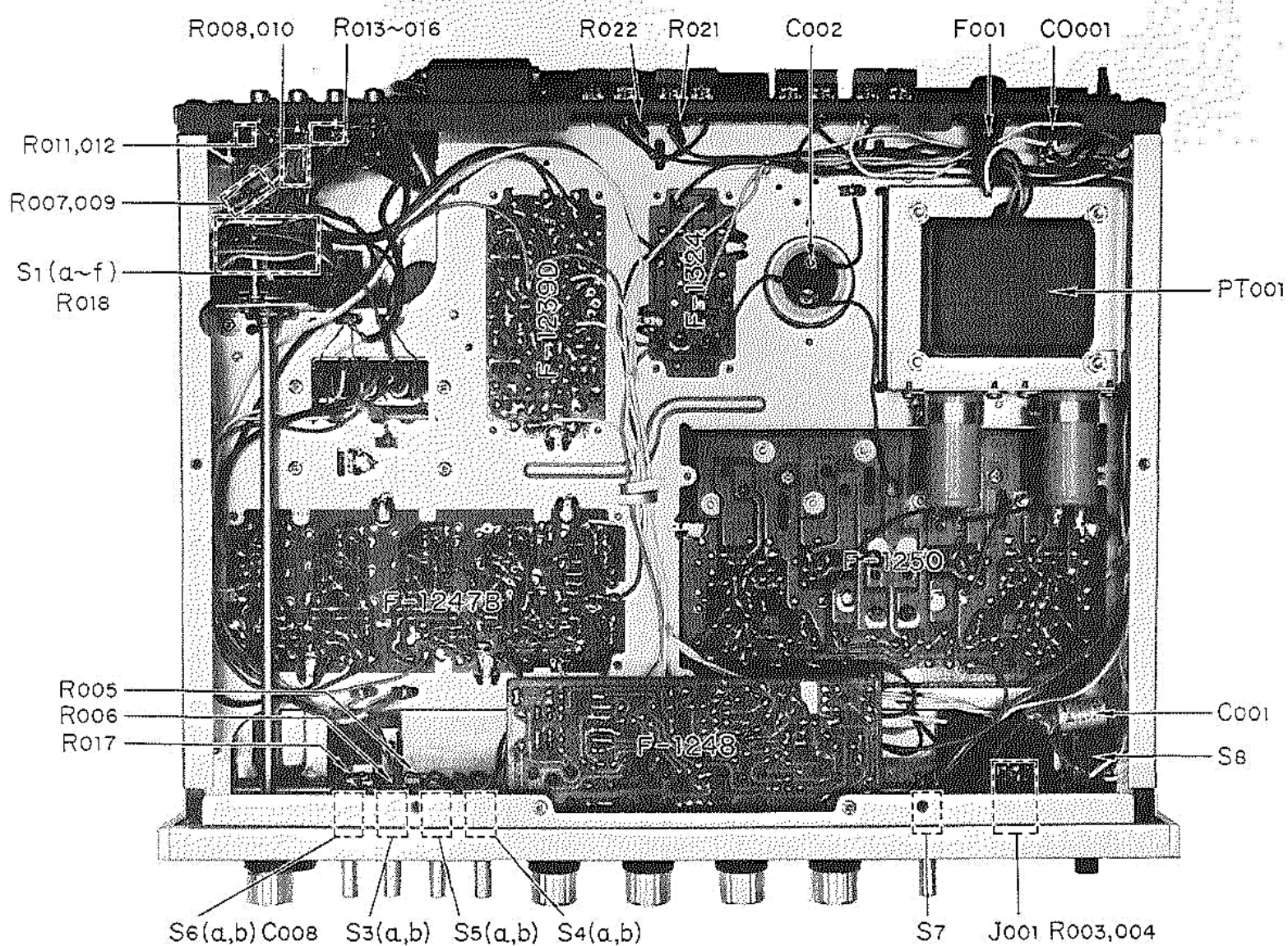
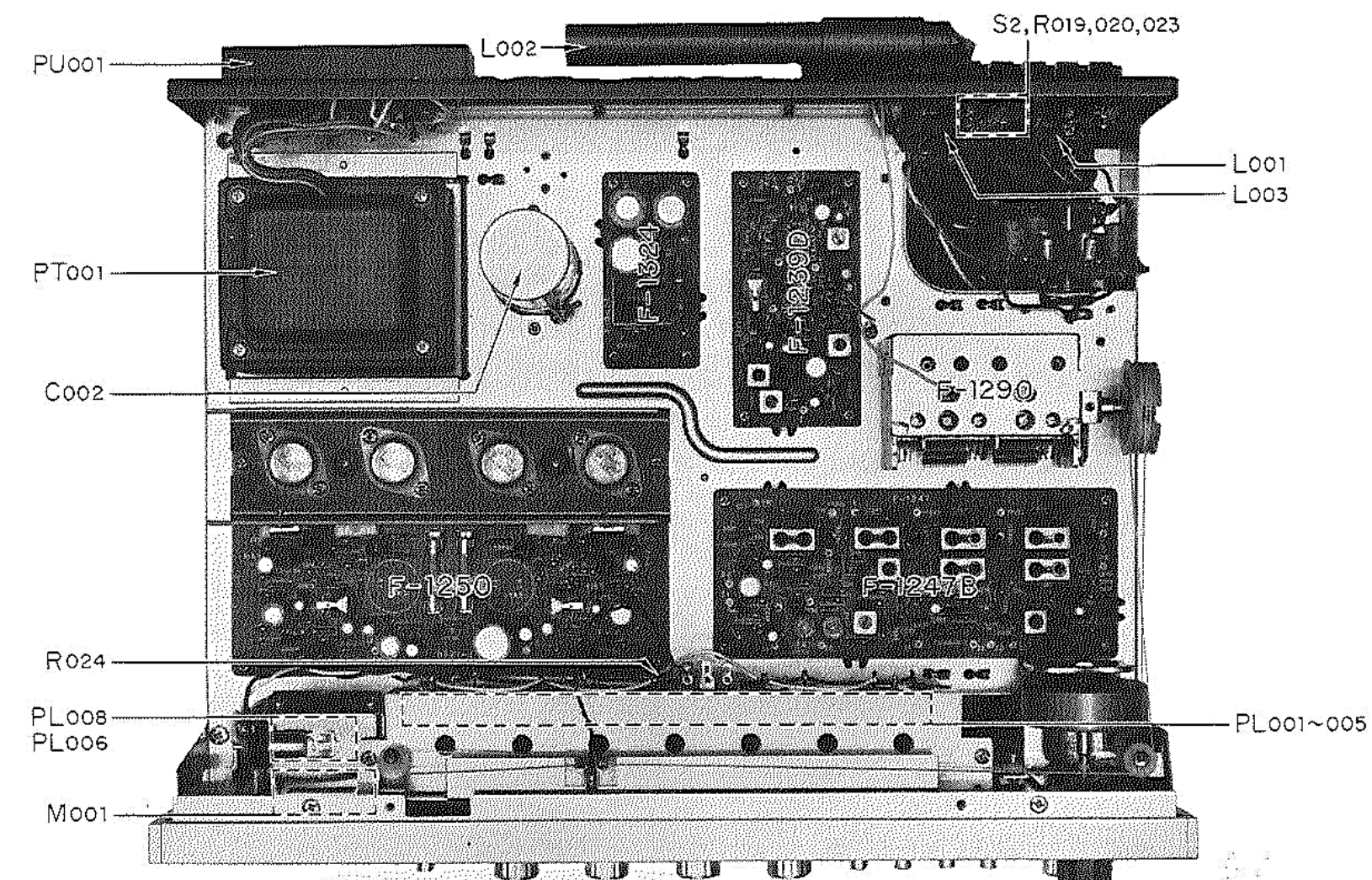


OTHER PARTS

X	Y	Z
R003	330 Ω	$\pm 10\%$ $\frac{1}{2}$ W SL. (0111331)
R004	330 Ω	
R005	8.2k Ω	(0101822)
R006	8.2k Ω	(0101822)
R007	100k Ω	(0101104)
R008	100k Ω	(0101104)
R009	4.7k Ω	(0101472)
R010	4.7k Ω	(0101472)
R011	68k Ω	(0101683)
R012	68k Ω	(0101683)
R013	390k Ω	$\pm 10\%$ $\frac{1}{4}$ W CB. (0101394)
R014	390k Ω	(0101394)
R015	100k Ω	(0101104)
R016	100k Ω	(0101104)
R017	1k Ω	(0101102)
R018	3.3k Ω	(0101332)
R019	680 Ω	(0101681)
R020	68 Ω	(0101680)
R021	680 Ω	$\pm 10\%$ $\frac{1}{2}$ W SL. (0111681)
R022	680 Ω	(0111681)
R023	1.5k Ω	$\pm 10\%$ $\frac{1}{4}$ W CB. (0101152)
R024	18 Ω	(0101180)
R255	820 Ω	(0101821)
R256	33 Ω	(0101330)
R257	820 Ω	$\pm 10\%$ $\frac{1}{4}$ W CB. (0101821)
R258	10k Ω	(0101103)
R444	180k Ω	(0101184)
C001	0.022 μ F $\pm 20\%$ 250V MY. (0605227)	
C002	2200 μ F 80 V EL. (0559821)	
C008	0.003 μ F $\pm 10\%$ 50 V MY. (0601306)	
C256	0.02 μ F	$\pm 80\%$ 25 V CE. (0659005)
C257	0.047 μ F	
C258	0.047 μ F	(0659005)
C625	0.015 μ F $\pm 10\%$ 50 V MY. (0601157)	
D218	IN 60 (0310330)	
TR207	2SC 711(E, F) (0305731, 2)	
S1(a~f)	Selector Switch Y-3-7-4 (1103280)	
S2	Antenna Att. Switch (1110040)	
S3(a, b)	Tape Monitor Switch	(1170170)
S4(a, b)	Loudness Switch	
S5(a, b)	Mode Switch	
S6(a, b)	MPX Noise Canceler Switch	
S7(a, b)	Speaker Selector Switch (1170180)	
S8	Power Switch (1130160)	
J001	Headphones Jack (2430060)	
M001	Tuning Meter (4300200)	
PT001	Power Transformer 400-5407 (4000730)	
PU001	Voltage Selector (2410170~2410190)	
F001	2A Fuse (100~127V) (0430030)	
	1.5A Fuse (220~250V) (0430120)	
	Power Fuse Holder (2300060)	
F002	3A Wired in Fuse (0431850)	
CO001	AC Outlet (2450010)	
PL001~005	6.3V 0.25A Pilot Lamp (0420020)	
PL006	8V 0.15A Stereo Indicator (0400120)	
PL007	5V 0.06A Needle Indicator (0400101)	
PL008	6.3V 0.25A Pilot Lamp (0400090)	
L001	75 Ω : 300 Ω High Frequency Transformer (4290021)	
L002	AM Bar Antenna (4200350)	
L003	150 μ H Ferri Inductor (4900080)	
L212	3.5 μ H Choke Coil (4290010)	
CF201	10.7MHz Ceramic Filter (0910100)	

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

OTHER PARTS AND THEIR POSITION ON CHASSIS





SANSUI ELECTRIC CO., LTD.

14-1, 2-chome, Izumi, Suginamiku, Tokyo 168, Japan.
TELEPHONE: (03) 323-1111/TELEX: 232-2076

Stock No. 9216620

Printed in Japan (33120M4)