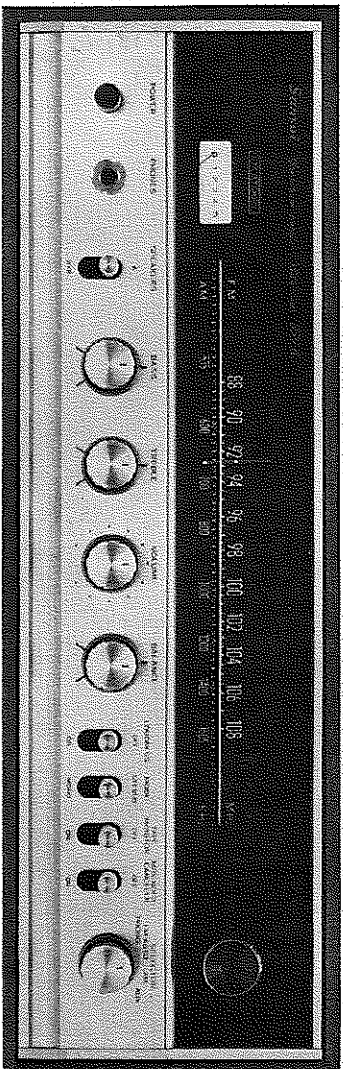


SERVICE MANUAL

SOLID-STATE AM/FM STEREO TUNER AMPLIFIER

SANSUI 350A

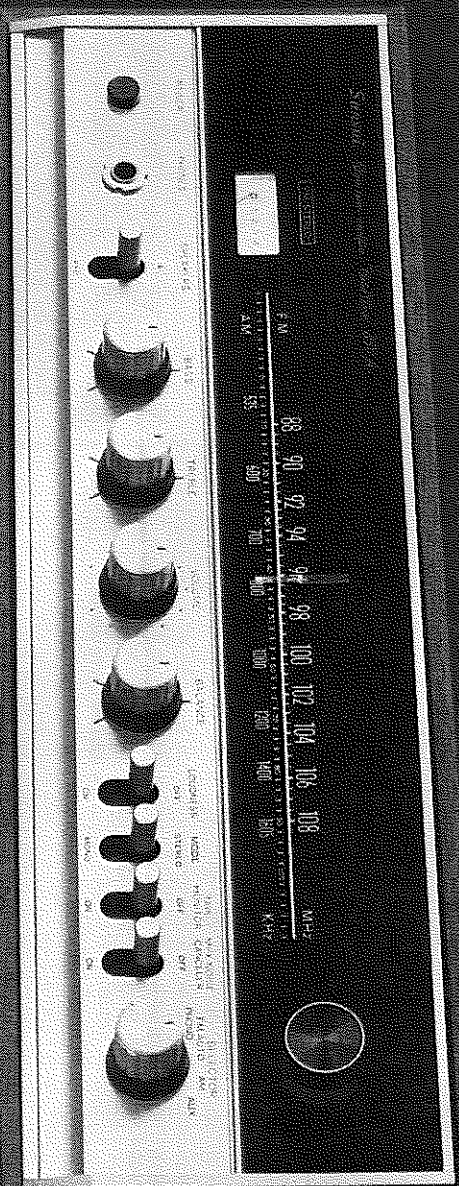


Sansui

SANSUI ELECTRIC CO., LTD.

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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

3. 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.

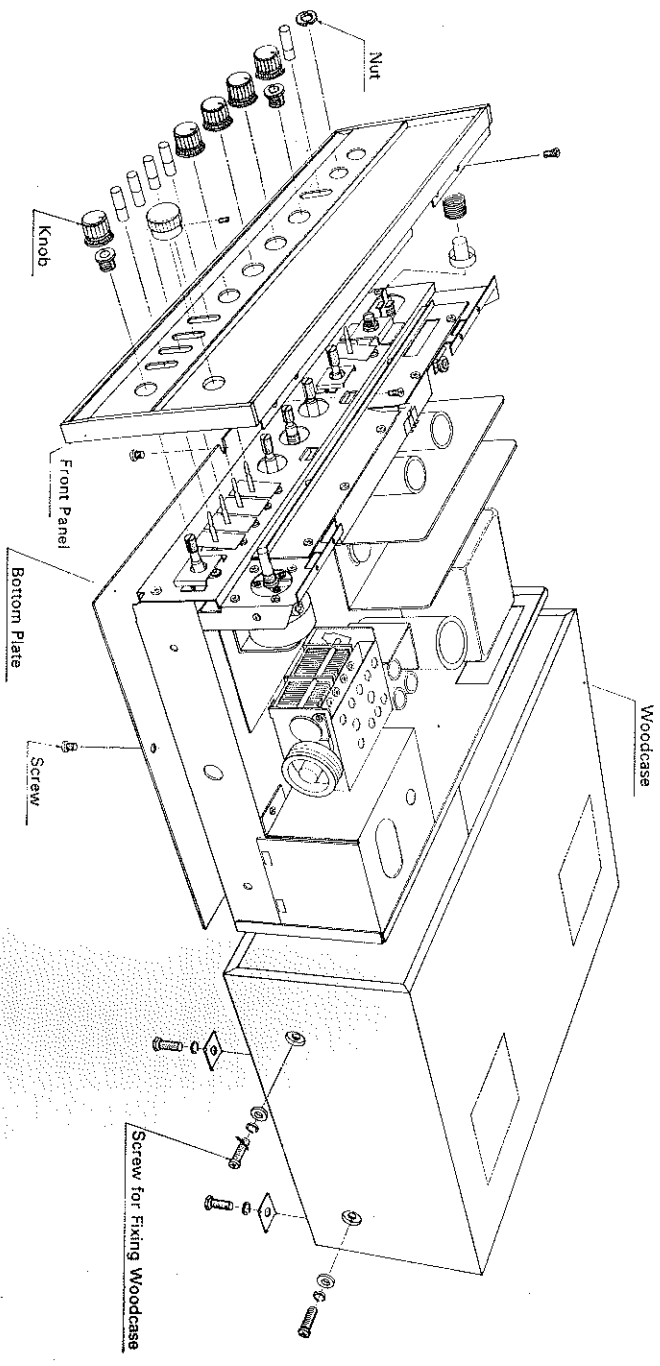
Following are some other common causes of malfunction and what to do about them.

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.
	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.
AM reception	b. High-frequency noise	* Adjacent-channel interference or beat interference	* Although such noise cannot be eliminated by the amplifier, it is advisable to turn the TREBLE control from midpoint to left.
		* TV set is too close to the audio system	* Place the TV set away from the audio system.
	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.
FM reception	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.		

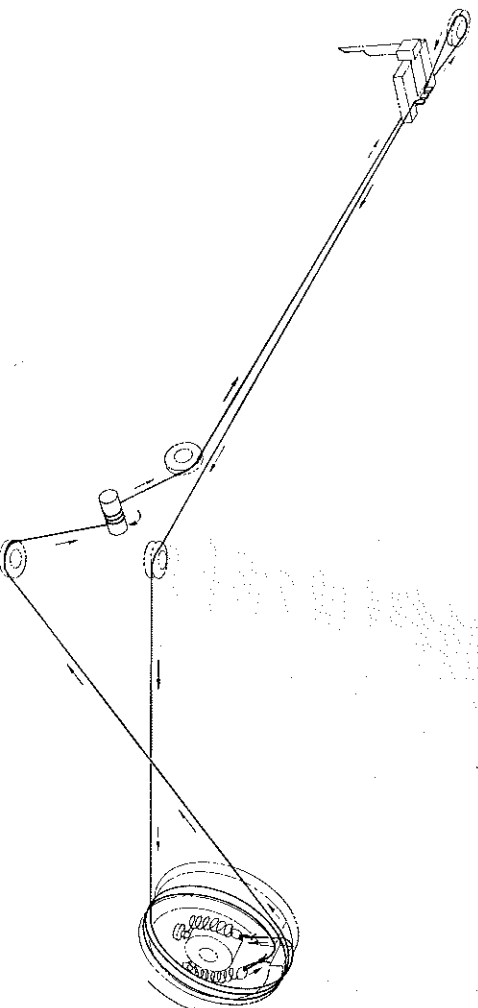
PROGRAM	SYMPTOM	PROBABLE CAUSE	WHAT TO DO
FM reception (Cont'd)	b. A series of pops is heard	* Ignition noise caused by an automobile engine.	* Increase the height of antenna or raise the antenna input as previously described.
	c. Distortion or no sound	* Out of tune due to frequency swing	* Retune the 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.
	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.
FM-MPX reception	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
	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.
Record playing or tape playback	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

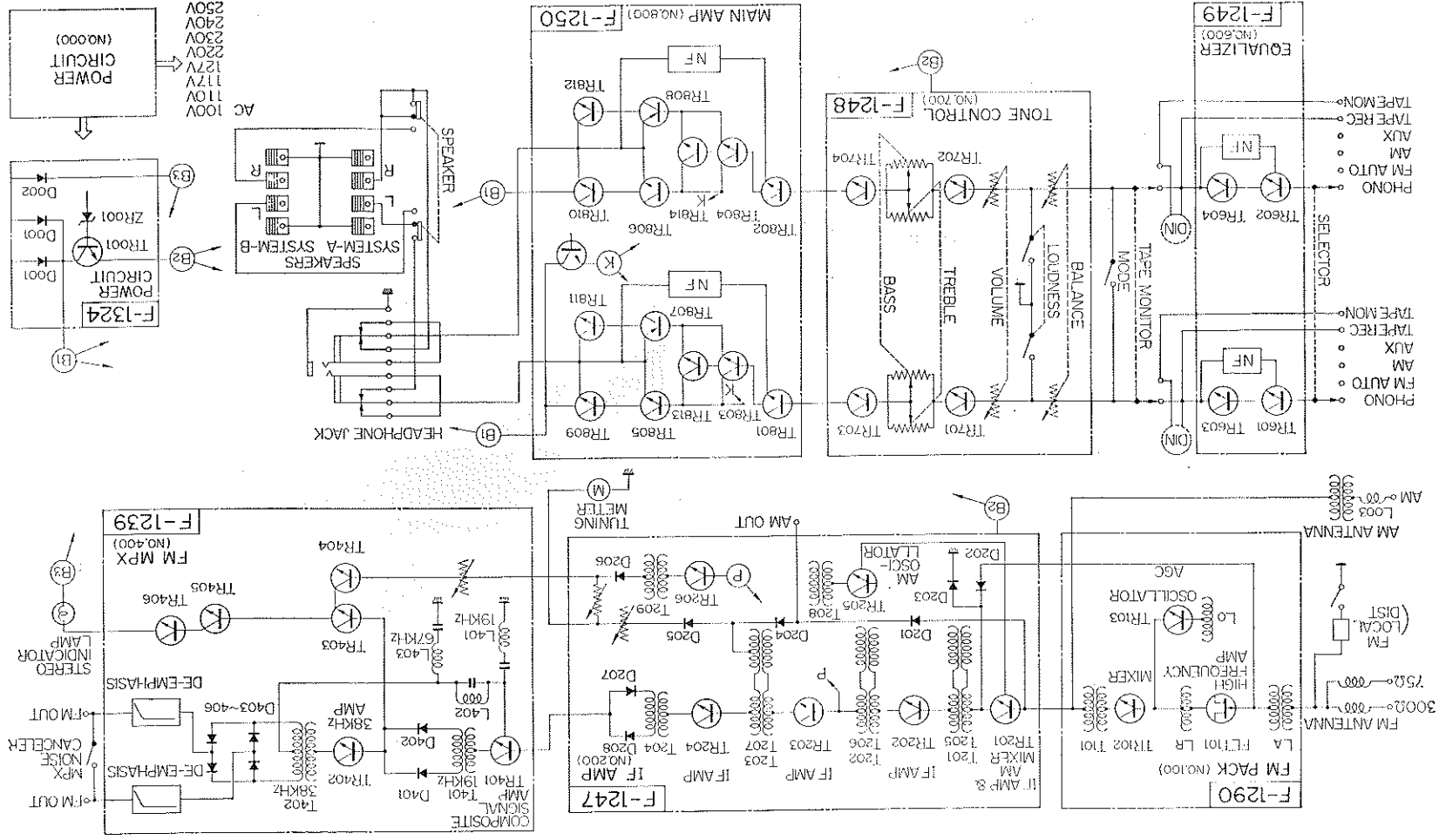
REMOVING THE FRONT PANEL, WOOD CASE AND BOTTOM PLATE



DIAL MECHANISM

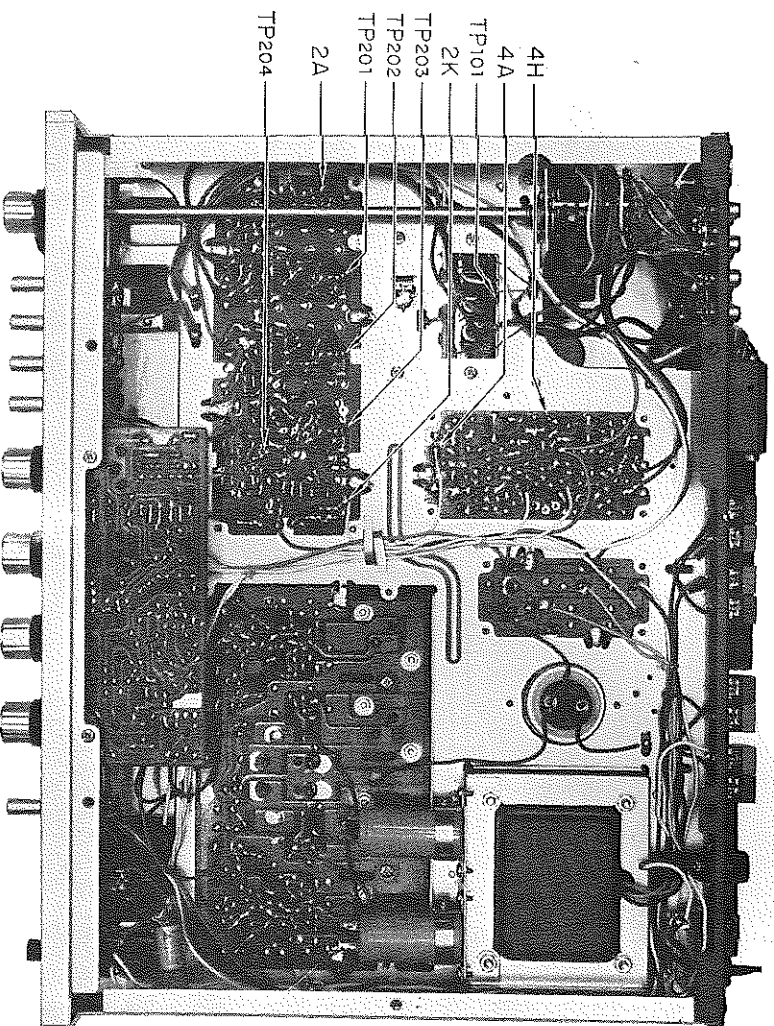
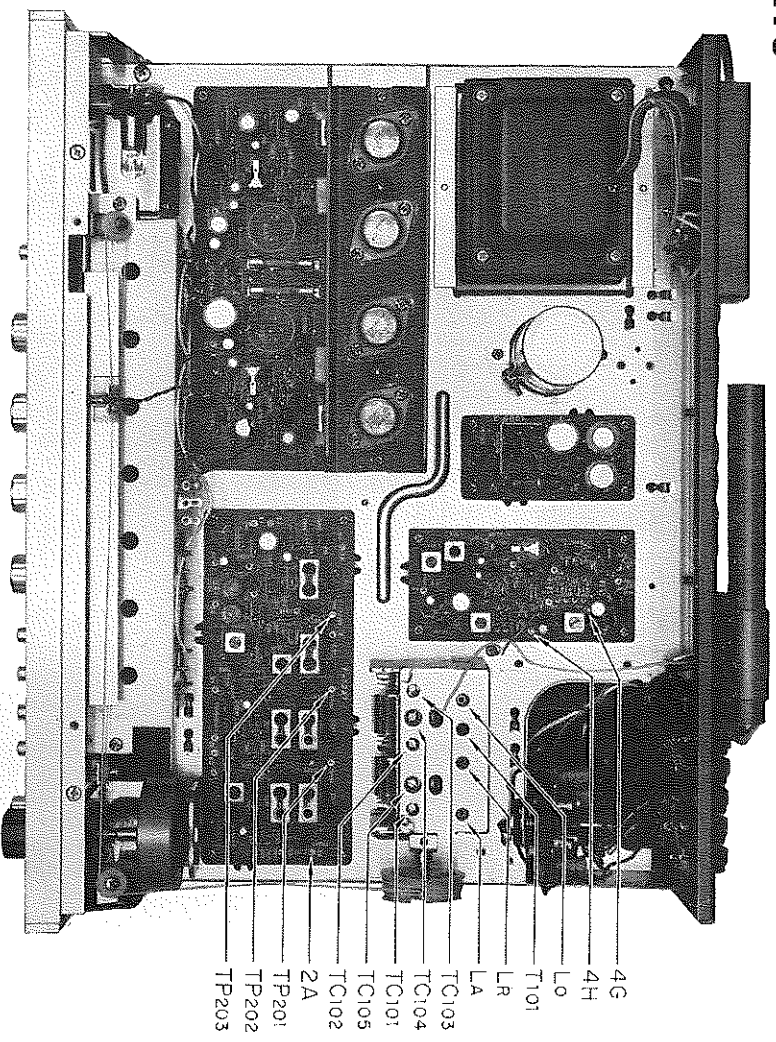


BLOCK DIAGRAM



ALIGNMENT

TEST POINTS

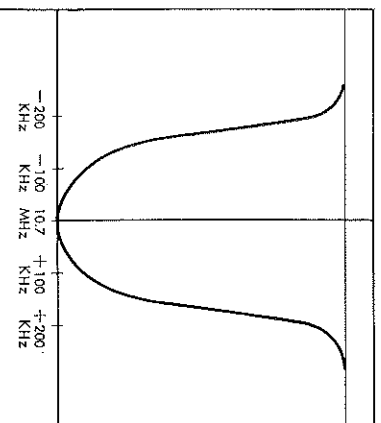


FM ALIGNMENT PROCEDURE

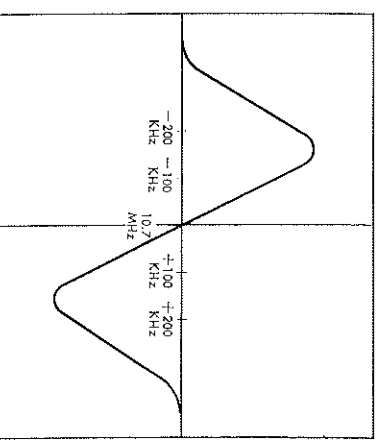
NOTE: To align, set the FM signal generator level to minimum, turn tuning gang fully, center carrier wave, and set pointer to reference mark.

STEP	ALIGN	GENERATOR	FEED SIGNAL	OUTPUT INDICATOR	DIAL SETTING	ADJUST	ADJUST FOR
1.	IF Transformer	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 ₁₀₈	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

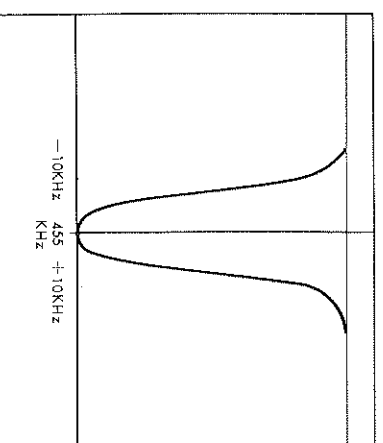
STEP	ALIGN	GENERATOR	FEED SIGNAL	OUTPUT INDICATOR	ADJUST	ADJUST FOR
1.	19 kHz Trap	19 kHz Audio Signal	Connect to 4A	V.T.V.M. at 4G	L ₄₀₁	Minimum
2.	67 kHz Trap	67 kHz Audio Signal	Connect to 4A	V.T.V.M. at 4G	L ₄₀₈	Minimum
3.	19 kHz Transformer	FM Signal Gen. Modulated 30% by STEREO Gen. sub-channel	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

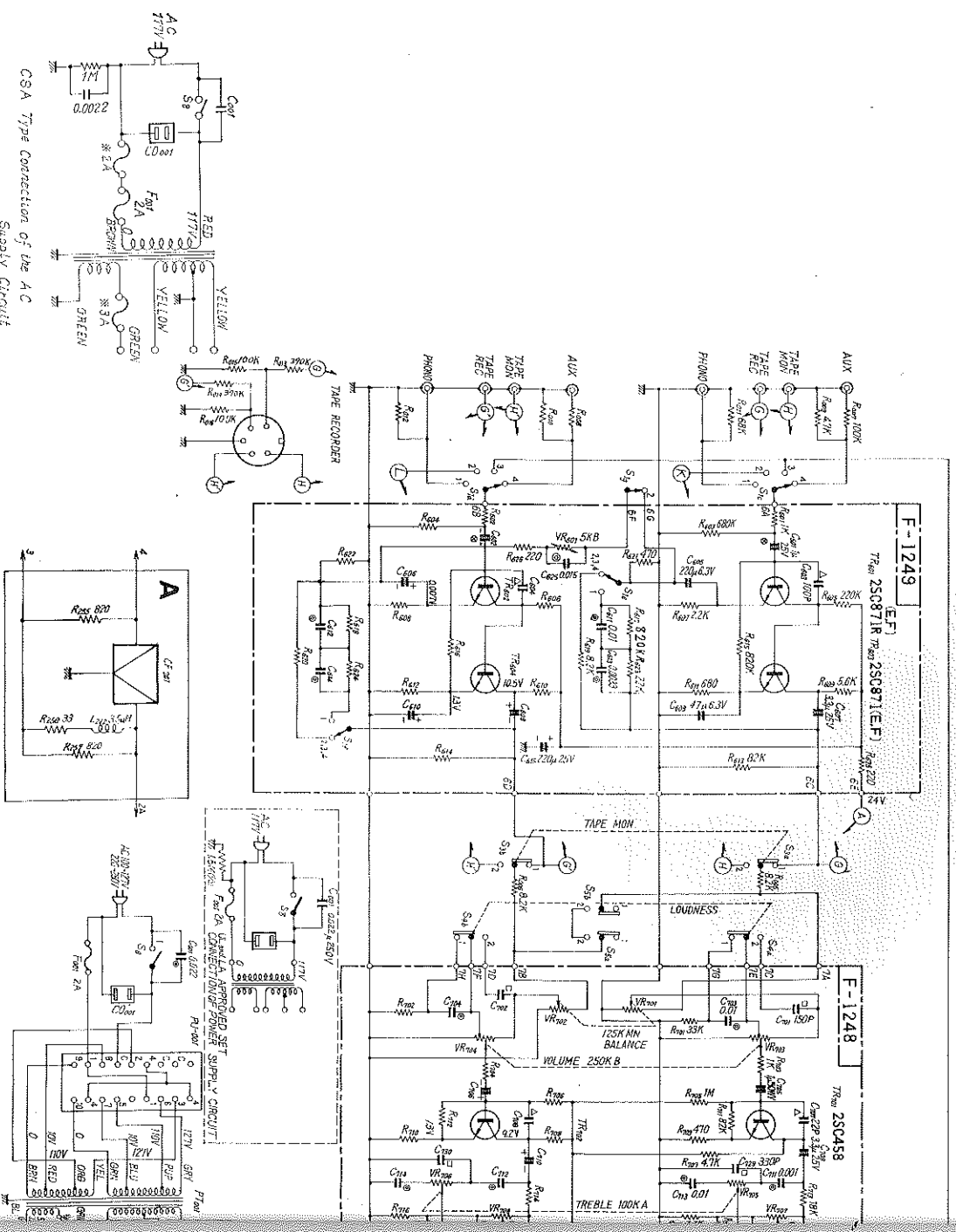
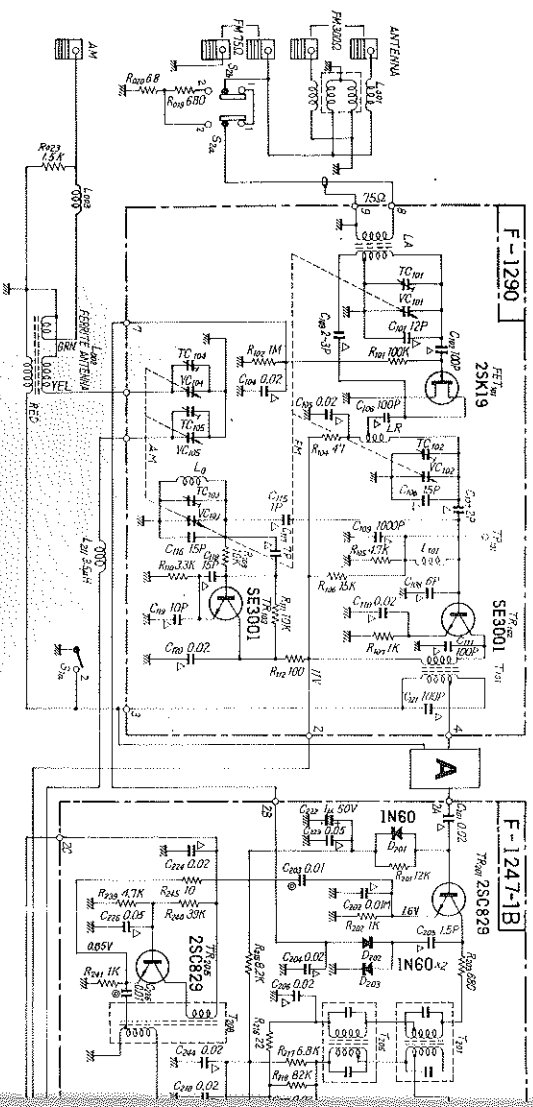
NOTE: To align, set AM signal Generator level to minimum.

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. ($T_{205} \sim T_{207}$)	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	600 kHz	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	1400 kHz	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	600 kHz	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	1400 kHz	Antenna circuit Trimmer TC_{104}	Maximum
7.	Repeat 5 and 6						

AM IF CHARACTERISTIC

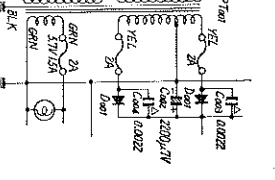
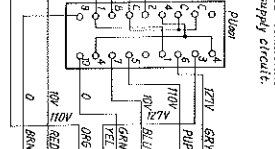
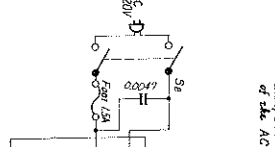
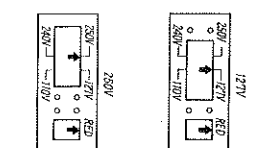
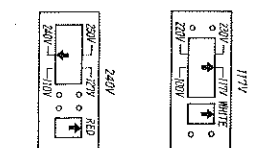
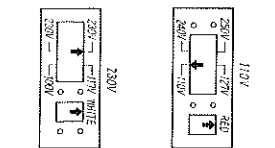
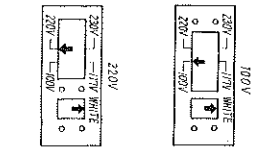
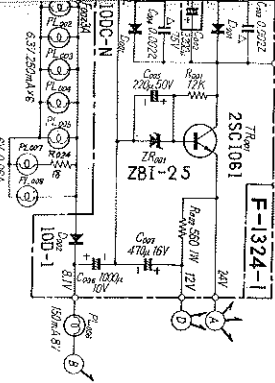
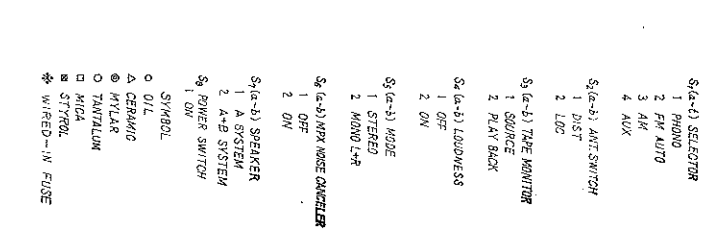
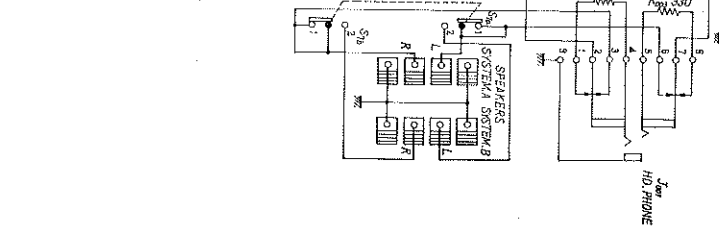
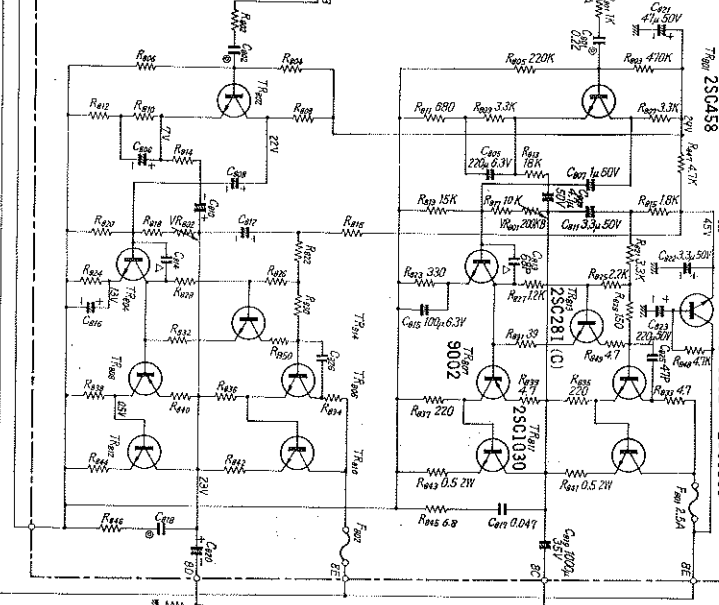
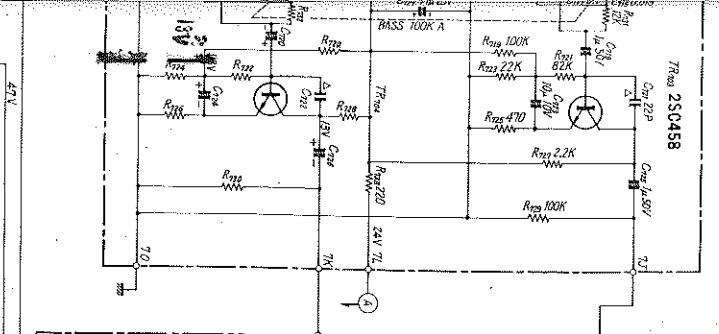
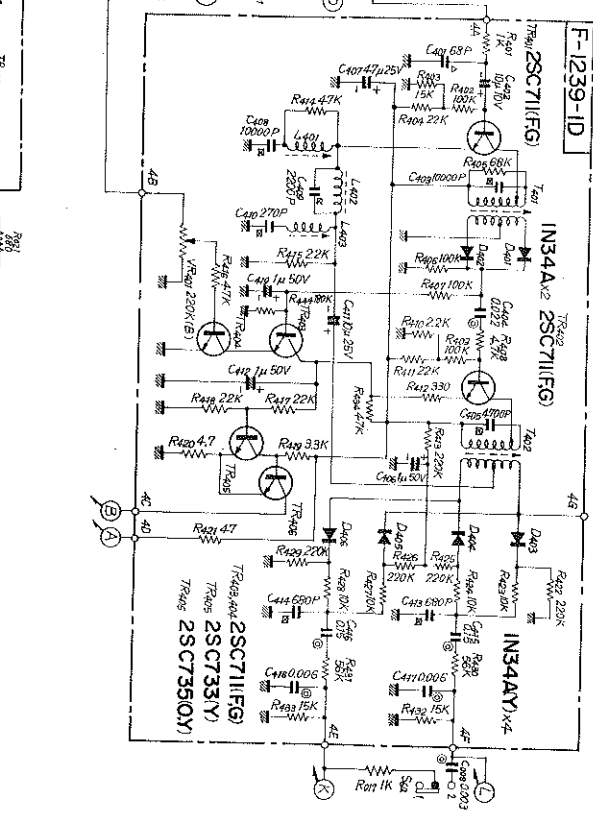
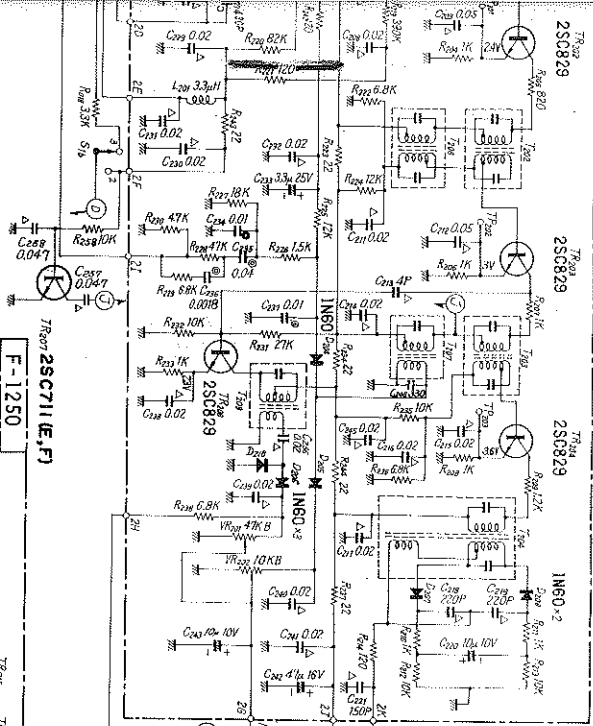


SCHEMATIC DIAGRAM



CSA Type Connection of the A.C.
Supply Circuit

* moved in F-1248



European Type Connector
 of the AC supply circuit.

- S1(a-b) SELECTOR
 - 1 PHONO
 - 2 FM AUTO
 - 3 AM
 - 4 AUX
- S1(c-b) ANT SWICH
 - 1 DIST
 - 2 LOC
 - 3 35V
- S1(c-b) TUNE MANUITR
 - 1 SOURCE
 - 2 PLAY BACK
- S1(a-b) LOUDNESS
 - 1 OFF
 - 2 ON
- S1(c-b) MODE
 - 1 STEREO
 - 2 MONO-L-R
- S1(a-b) MPX NOISE CANCELER
 - 1 OFF
 - 2 ON
- S1(a-b) SPEAKER
 - 1 A SYSTEM
 - 2 A-B SYSTEM
- S1 POWER SWITCH
 - 1 ON
- SYMBOL
 - OIL
 - △ CERAMIC
 - MYLAR
 - TANTALUM
 - MICA
 - ◇ STYROL
 - ✱ WIRED-IN FUSE

PRINTED CIRCUIT BOARDS AND PARTS LIST

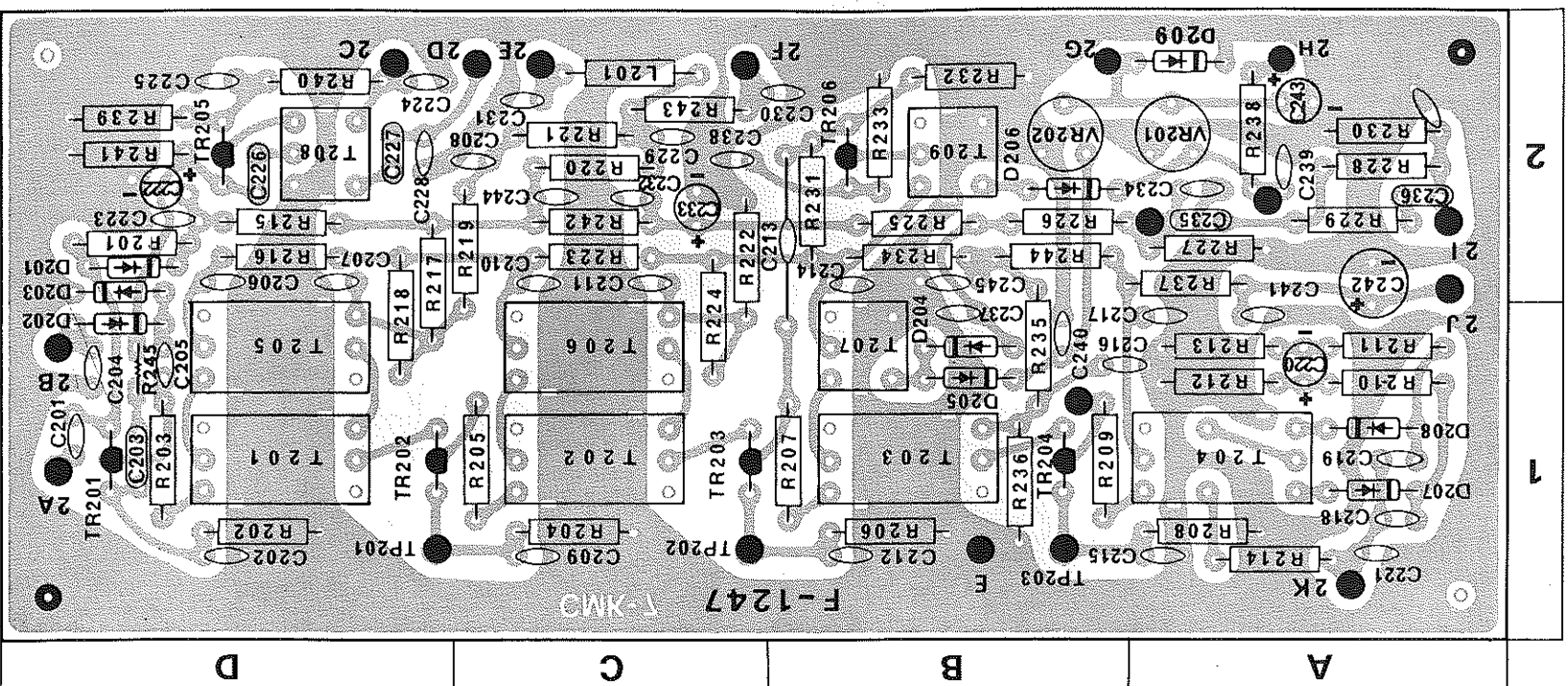
X: Parts No. Y: Parts Name Z: Position of Parts

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

X	Y	Z	X	Y	Z
R201	12kΩ	2D	C214	0.02μF	2B
R202	1kΩ	1D	C215	0.02μF	1A
R203	680Ω	1D	C216	0.02μF	1A, B
R204	1kΩ	1C	C217	0.02μF	1A
R205	820Ω	1C	C218	220pF	1A
R206	1kΩ	1B	C219	220pF	1A
R207	1kΩ	1B	C220	10μF	1A
R208	1kΩ	1A	C221	150pF	1A
R209	1.2kΩ	1B	C222	1μF	2D
R210	1kΩ	1A	C223	0.05μF	2D
R211	1kΩ	1A	C224	0.02μF	2D
R212	10kΩ	1A	C225	0.05μF	2D
R213	10kΩ	1A	C226	0.01μF	2D
R214	120Ω	1A	C227	470pF	2D
R215	8.2kΩ	2D	C228	15pF	2D
R216	22Ω	2D	C229	0.02μF	2C
R217	6.8kΩ	1.2D	C230	0.02μF	2B, C
R218	82kΩ	1.2D	C231	0.02μF	2C
R219	390kΩ	1.2C	C232	0.02μF	2C
R220	82kΩ	2C	C233	3.3μF	2C
R221	120Ω	2C	C234	0.01μF	2A
R222	6.8kΩ	1.2C	C235	0.04μF	2A
R223	22Ω	2C	C236	0.0018μF	2A
R224	12kΩ	1.2C	C237	0.01μF	1B
R225	12kΩ	2B	C238	0.02μF	2C
R226	1.5kΩ	2B	C239	0.02μF	2A
R227	18kΩ	2A	C240	0.02μF	1B
R228	47kΩ	2A	C241	0.02μF	1A
R229	6.8kΩ	2A	C242	47μF	1.2A
R230	4.7kΩ	2A	C243	10μF	2A
R231	27kΩ	2B	C244	0.02μF	2C
R232	10kΩ	2B	C245	0.02μF	2B
R233	1kΩ	2B	C246	330pF	2B
R234	22Ω	1.2B	C247	0.02μF	2B
R235	10kΩ	1B	C248	0.02μF	2B
R236	6.8kΩ	2A	C249	0.02μF	2B
R237	22Ω	2A	C250	0.02μF	2B
R238	6.8kΩ	2A	C251	0.02μF	2B
R239	4.7kΩ	2D	C252	0.02μF	2B
R240	39kΩ	2D	C253	0.02μF	2B
R241	1kΩ	2D	C254	0.02μF	2B
R242	120Ω	2C	C255	0.02μF	2B
R243	22Ω	2C	C256	0.02μF	2B
R244	22Ω	2B	C257	0.02μF	2B
R245	10Ω	1D	C258	0.02μF	2B
VR201	47kΩ (B)	2A	C259	0.02μF	2B
VR202	10kΩ (B)	2B	C260	0.02μF	2B
C201	0.02μF	1D	C261	0.02μF	2B
C202	0.01μF	1D	C262	0.02μF	2B
C203	0.01μF	1D	C263	0.02μF	2B
C204	0.02μF	1D	C264	0.02μF	2B
C205	1.5pF	1D	C265	0.02μF	2B
C206	0.02μF	2D	C266	0.02μF	2B
C207	0.02μF	2C	C267	0.02μF	2B
C208	0.05μF	1C	C268	0.02μF	2B
C209	0.02μF	2C	C269	0.02μF	2B
C210	0.02μF	2C	C270	0.02μF	2B
C211	0.02μF	1B	C271	0.02μF	2B
C212	0.05μF	1B	C272	0.02μF	2B
C213	4pF	1.2B	C273	0.02μF	2B

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
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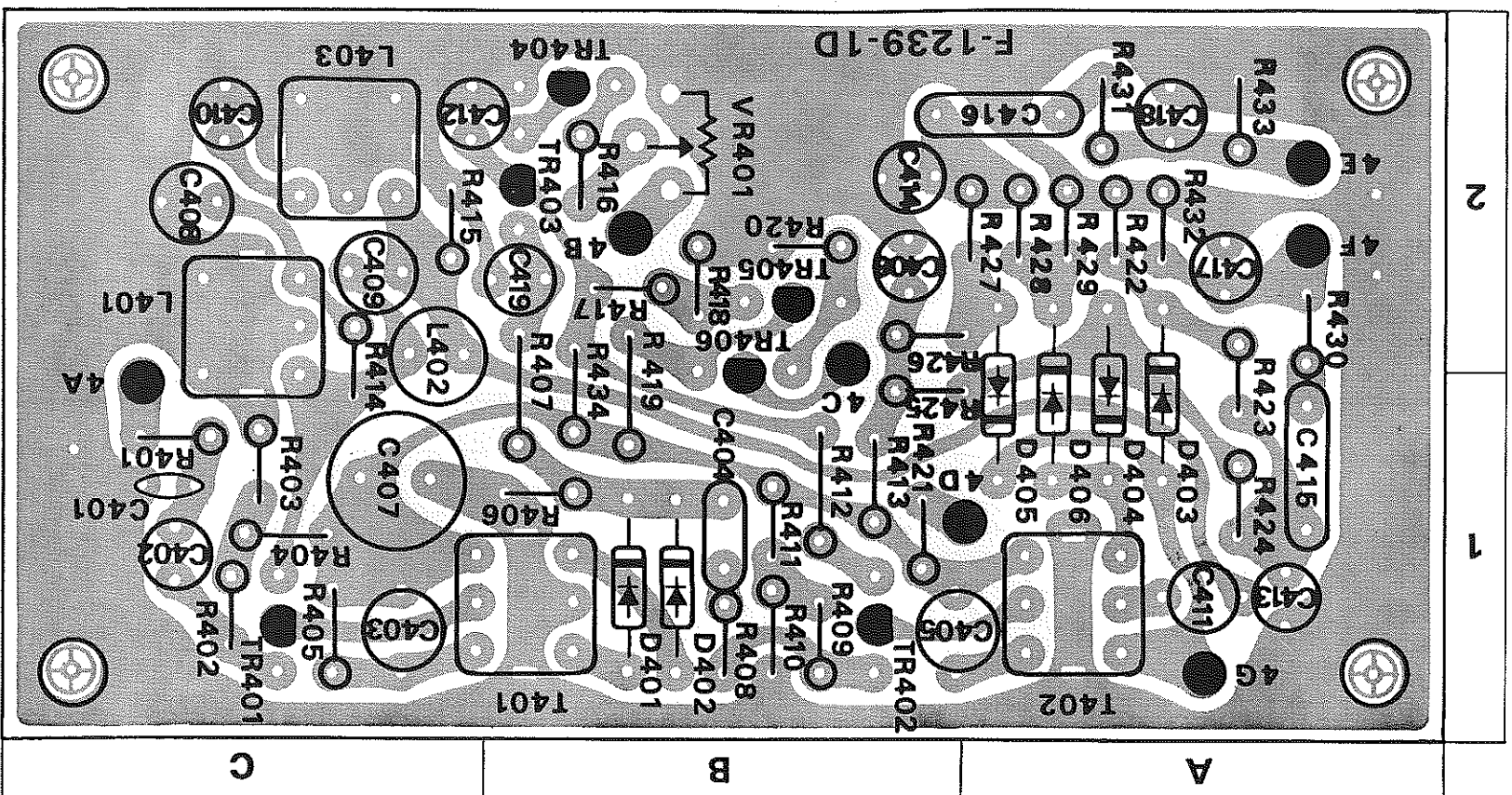
R401	1k Ω	(0100102) 1 C
R402	100k Ω	(0100104) 1 C
R403	15k Ω	(0100153) 1 C
R404	22k Ω	(0100223) 1 C
R405	68k Ω	(0100683) 1 C
R406	100k Ω	(0100104) 1 B
R407	100k Ω	(0100104) 1, 2 B
R408	4.7k Ω	(0100472) 1 B
R409	100k Ω	(0100104) 1 B
R410	2.2k Ω	(0100222) 1 B
R411	22k Ω	(0100223) 1 B
R412	330 Ω	(0100331) 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	4.7 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

X	Y	Z
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TR401	2SC711 (F,G)	1 C
TR402	2SC711 (F,G)	1 B
TR403	2SC711 (F,G)	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

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.	(06620103) 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.	(06620222) 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

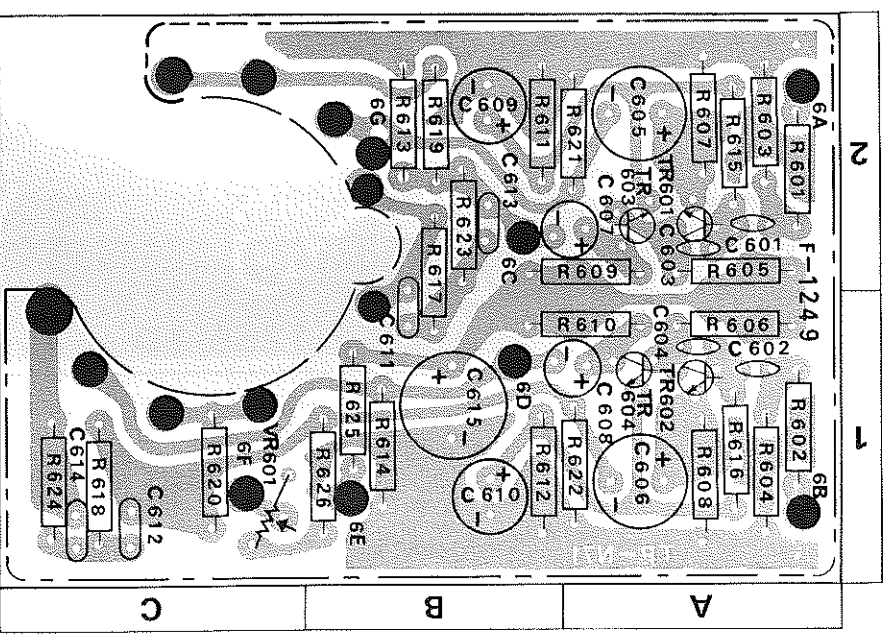


PRINTED CIRCUIT BOARDS AND PARTS LIST

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

HEAD AMP. BLOCK <F-1249>

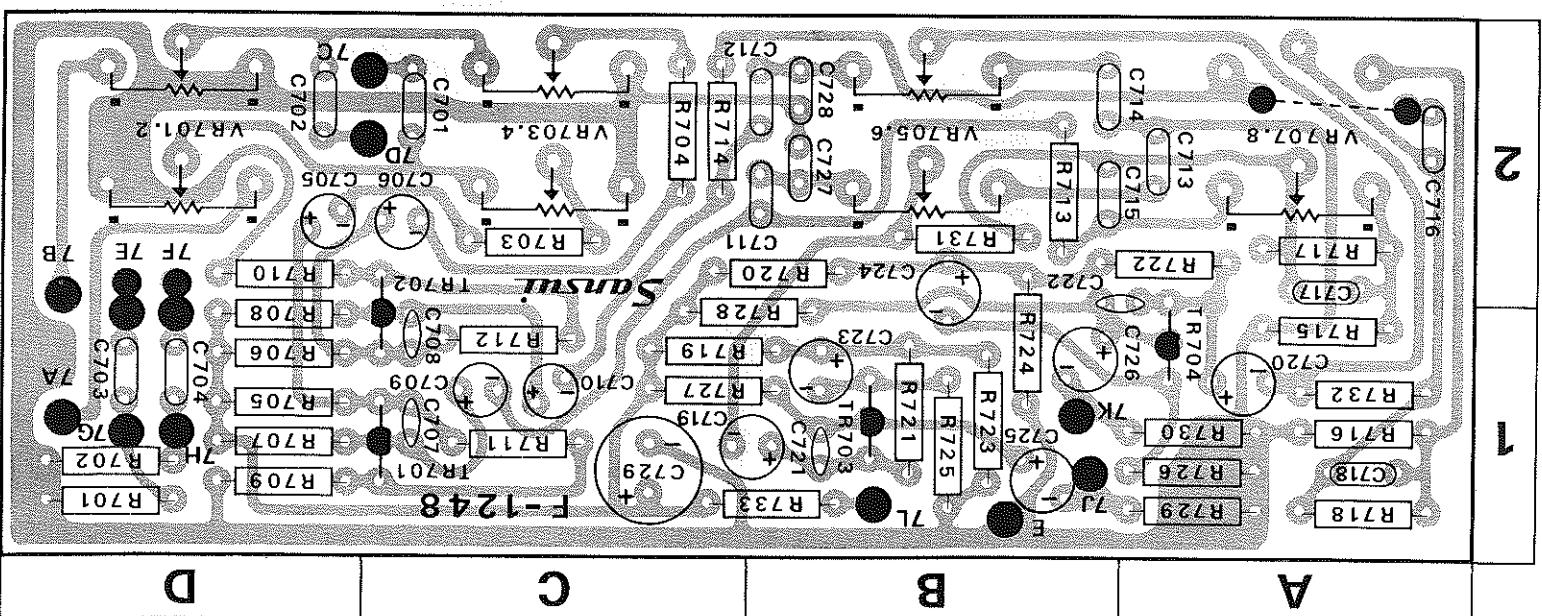
X	Y	Z
R601	1kΩ	(0101102) 2A
R602	1kΩ	(0101102) 1A
R603	680kΩ	(0101684) 2A
R604	680kΩ	(0101684) 1A
R605	220kΩ	(0101224) 2A
R606	220kΩ	(0101224) 1A
R607	2.2kΩ	(0101222) 2A
R608	2.2kΩ	(0101222) 1A
R609	5.6kΩ	(0101562) 2A, B
R610	5.6kΩ	(0101562) 1A, B
R611	680Ω	(0101681) 2B
R612	680Ω	(0101681) 1B
R613	82kΩ	(0101823) 2B
R614	82kΩ	(0101823) 1B
R615	820kΩ	(0101824) 2A
R616	820kΩ	(0101824) 1A
R617	820kΩ	(0101824) 1, 2 B
R618	820kΩ	(0101824) 1C
R619	8.2kΩ	(0101822) 2B
R620	8.2kΩ	(0101822) 1C
R621	470Ω	(0101471) 2A
R622	470Ω	(0101471) 1A
R623	22kΩ	(0101223) 2B
R624	22kΩ	(0101223) 1C
R625	220Ω	(0101221) 1B
R626	220Ω	(0101221) 1B
VR601	5kΩ (B) Separation Adj.	(1030370) 1C
C601	1μF } +40% 25V TA.	2A
C602	1μF } -20% 25V TA.	1A
C603	100pF } ±10% 50V CE.	2A
C604	100pF } ±10% 50V CE.	1A
C605	220μF } 6.3V	(0510221) 2A
C606	220μF } 6.3V	(0510221) 1A
C607	3.3μF } 25V EL.	(0513339) 2A, B
C608	3.3μF } 25V EL.	(0513339) 1A, B
C609	47μF } 6.3V	(0510470) 2B
C610	47μF } 6.3V	(0510470) 1B
C611	0.01μF	(0601107) 1, 2 B
C612	8.01μF	(0601107) 1C
C613	0.0033μF } ±10% 50V MY.	(0601336) 2B
C614	0.0033μF } ±10% 50V MY.	(0601336) 1C
C615	220μF } 25V EL.	(0513221) 1B
C625	0.015μF } ±10% 50V MY.	(0601157) 1C
TR601	25C871K (E, F)	(0305474, 5) 2A
TR602	25C871R (E, F)	(0305474, 5) 1A
TR603	25C871 (E, F)	(0305471, 2) 2A
TR604	25C871 (E, F)	(0305471, 2) 1A



TONE CONTROL BLOCK <F-1248>

X	Y	Z
R701	33kΩ	(0101333) 1D
R702	33kΩ	(0101333) 1D
R703	1kΩ	(0101102) 2C
R704	1kΩ	(0101102) 2C
R705	1MΩ	(0101106) 1D
R706	1MΩ	(0101106) 1D
R707	4.7kΩ	(0101472) 1D
R708	4.7kΩ	(0101472) 1D
R709	470Ω	(0101471) 1D
R710	470Ω	(0101471) 2D
R711	82kΩ	(0101823) 1C
R712	82kΩ	(0101823) 1C
R713	18kΩ	(0101183) 2B
R714	18kΩ	(0101183) 2C
R715	3.3kΩ	(0101332) 1A
R716	3.3kΩ	(0101332) 1A

X	Y	Z
R717	22k Ω	2A
R718	22k Ω	1A
R719	100k Ω	1B, C
R720	100k Ω	2B, C
R721	82k Ω	1B
R722	82k Ω	2A, B
R723	22k Ω	1B
R724	22k Ω	1, 2B
R725	470 Ω	1B
R726	470 Ω	1A
R727	2.2k Ω	1B, C
R728	2.2k Ω	1B, C
R729	100k Ω	1A
R730	100k Ω	1A
R731	12k Ω	2B
R732	12k Ω	1A
R733	220 Ω	1B, C
VR701, 702	125k Ω (MN)	2D
VR703, 704	250k Ω (B) $\times$ 2	2C
VR705, 706	100k Ω (A) $\times$ 2	2B
VR707, 708	100k Ω (A) $\times$ 2	2A
C701	150pF	2C
C702	150pF	2D
C703	0.01 μ F	1D
C704	0.01 μ F	1D
C705	1 μ F	2D
C706	1 μ F	2C
C707	22pF	1C
C708	22pF	1C
C709	3.3 μ F	1C
C710	3.3 μ F	1C
C711	0.001 μ F	2B
C712	0.001 μ F	2B
C713	0.01 μ F	2A
C714	0.01 μ F	2B
C715	0.015 μ F	2B
C716	0.015 μ F	2A
C717	0.1 μ F	2A
C718	0.1 μ F	2A
C719	1 μ F	1B, C
C720	1 μ F	1A
C721	22pF	1B
C722	22pF	1A, B
C723	10 μ F	1B
C724	10 μ F	1, 2B
C725	1 μ F	1B
C726	1 μ F	1B
C727	330pF	2B
C728	330pF	2B
C729	47 μ F	1C
TR701	2SC458LG (B, C)	1C
TR702	2SC458LG (B, C)	1, 2C
TR703	2SC458LG (B, C)	1B
TR704	2SC458LG (B, C)	1A



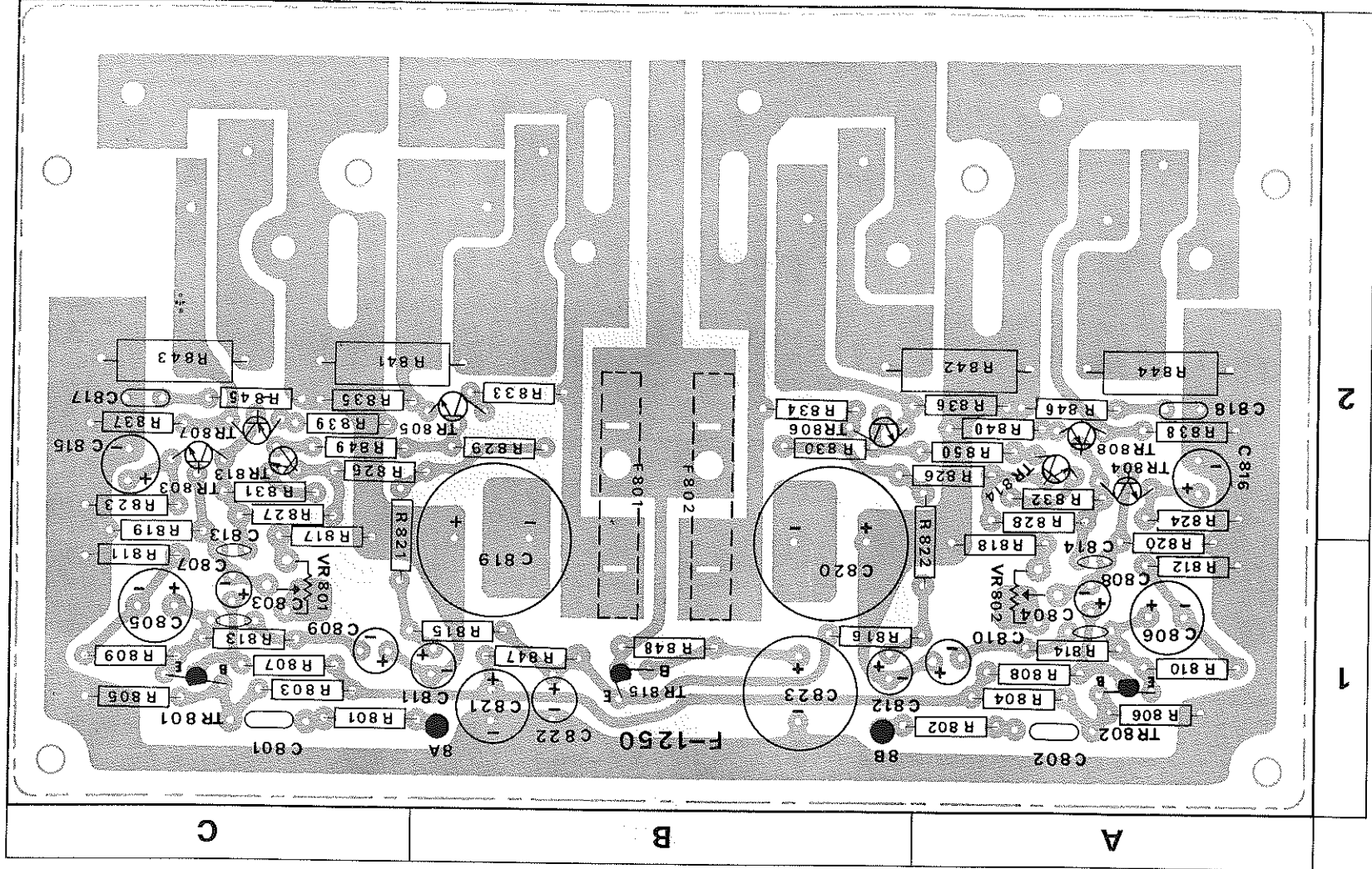
PRINTED CIRCUIT BOARDS AND PARTS LIST

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

DRIVER BLOCK <F-1250>

X	Y	Z
R801	1k Ω	1 B, C
R802	1k Ω	1 A, B
R803	470k Ω	1 C
R804	470k Ω	1 A
R805	220k Ω	1 C
R806	220k Ω	1 A
R807	3.3k Ω	1 C
R808	3.3k Ω	1 A
R809	3.3k Ω	1 C
R810	3.3k Ω	1 A
R811	680 Ω	1 C
R812	680 Ω	1 A
R813	18k Ω	1 C
R814	18k Ω	1 A
R815	1.8k Ω	1 B, C
R816	1.8k Ω	1 A, B
R817	10k Ω	1 C
R818	10k Ω	1 A
R819	15k Ω	1 C
R820	15k Ω	1 A
R821	3.3k Ω	1, 2 C
R822	3.3k Ω	1, 2 A
R823	330 Ω	2 C
R824	330 Ω	2 A
R825	2.2k Ω	2 B, C
R826	2.2k Ω	2 A, B
R827	1.2k Ω	2 C
R828	1.2k Ω	2 A
R829	150 Ω	2 B
R830	150 Ω	2 B
R831	39 Ω	2 C
R832	39 Ω	2 A
R833	4.7 Ω	2 B
R834	4.7 Ω	2 B
R835	220 Ω	2 C
R836	220 Ω	2 A, B
R837	220 Ω	2 C
R838	220 Ω	2 A
R839	4.7 Ω	2 C
R840	4.7 Ω	2 A
R841	0.47 Ω	2 B, C
R842	0.47 Ω	2 A, B
R843	0.47 Ω	2 C
R844	0.47 Ω	2 A
R845	6.8 Ω	2 C
R846	6.8 Ω	2 A
R847	4.7k Ω	1 B
R848	4.7k Ω	1 B
R849	4.7 Ω	2 C
R850	4.7 Ω	2 A
VR801	200k Ω (B)	1 C
VR802	200k Ω (B)	1 A
C801	0.22 μ F	1 C
C802	0.22 μ F	1 A

X	Y	Z
C805	220 μ F	1 C
C806	220 μ F	1 A
C807	1 μ F	1 C
C808	1 μ F	1 A
C809	4.7 μ F	1 C
C810	4.7 μ F	1 A
C811	3.3 μ F	1 B
C812	3.3 μ F	1 B
C813	68pF	1 C
C814	68pF	1 A
C815	100 μ F	2 C
C816	100 μ F	2 A
C817	0.047 μ F	2 C
C818	0.047 μ F	2 A
C819	1000 μ F	1, 2 B
C820	1000 μ F	1, 2 B
C821	47 μ F	1 B
C822	3.3 μ F	1 B
C823	220 μ F	1 B
C825	47pF	1 B
C826	47pF	1 B
TR801	25C458LG (B, C)	1 C
TR802	25C458LG (B, C)	1 A
TR803	25C875(E)	2 C
TR804	25C875(E)	2 A
TR805	25C875(E)	2 B
TR806	25C875(E)	2 B
TR807	25A532(E)	2 C
TR808	25A532(E)	2 A
TR809	25C1030 (B, C)	2 A
TR810	25C1030 (B, C)	2 A
TR811	25C1030 (B, C)	2 A
TR812	25C1030 (B, C)	2 A
TR813	25C281 (C)	2 C
TR814	25C281 (C)	2 A
TR815	25C815 (L, K)	1 B
F801	2.5A Quick-Acting Fuse	2 B
F802	2.5A Quick-Acting Fuse	2 B



2

1

A

B

C

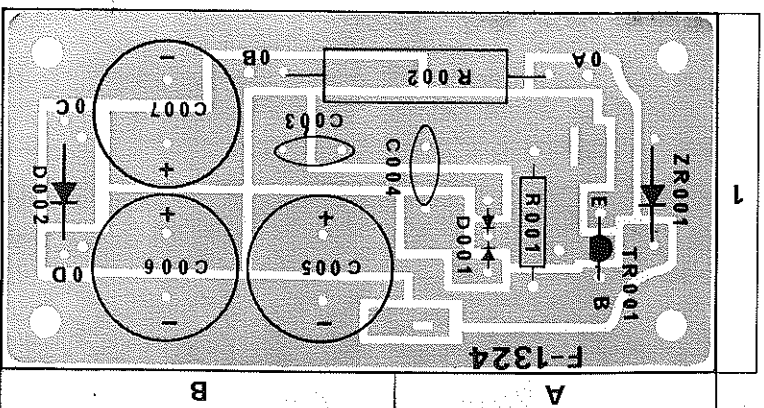
F-1250

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 S.L.	(0111123) 1A
R002	560 Ω $\pm 10\%$ 1W C.B.	(0104561) 1A, B
C003	0.0022 μ F $\pm 20\%$ 500V C.E.	(0653223) 1B
C004	0.0022 μ F	(0515221) 1A
C005	220 μ F 50V	(0511102) 1B
C006	1000 μ F 10V E.L.	(0512471) 1B
C007	470 μ F 16V	(0512471) 1B
TR001	2SC1061 (A, B, C) (0305770, 1, 2)	1A
D001	10DC (N) (0310680)	1A
D002	10D-1 (0310340)	1B
ZR001	ZBI-25 (0310710)	1A

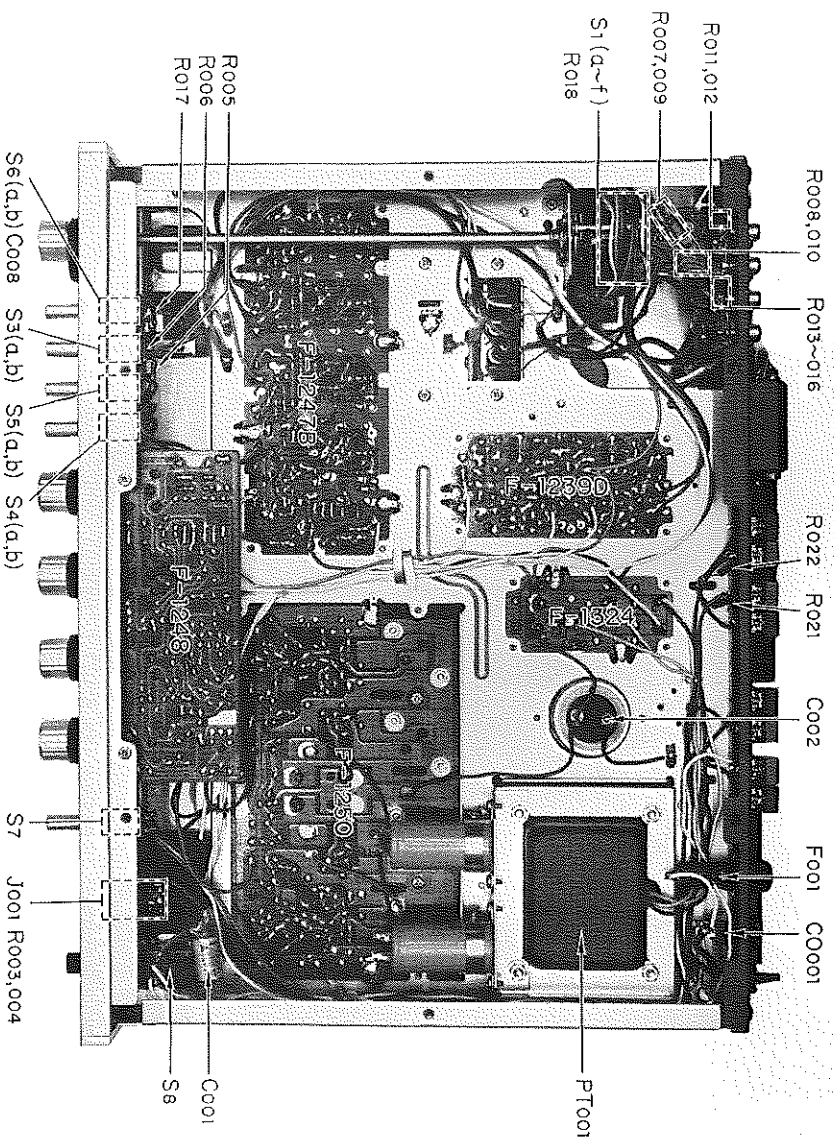
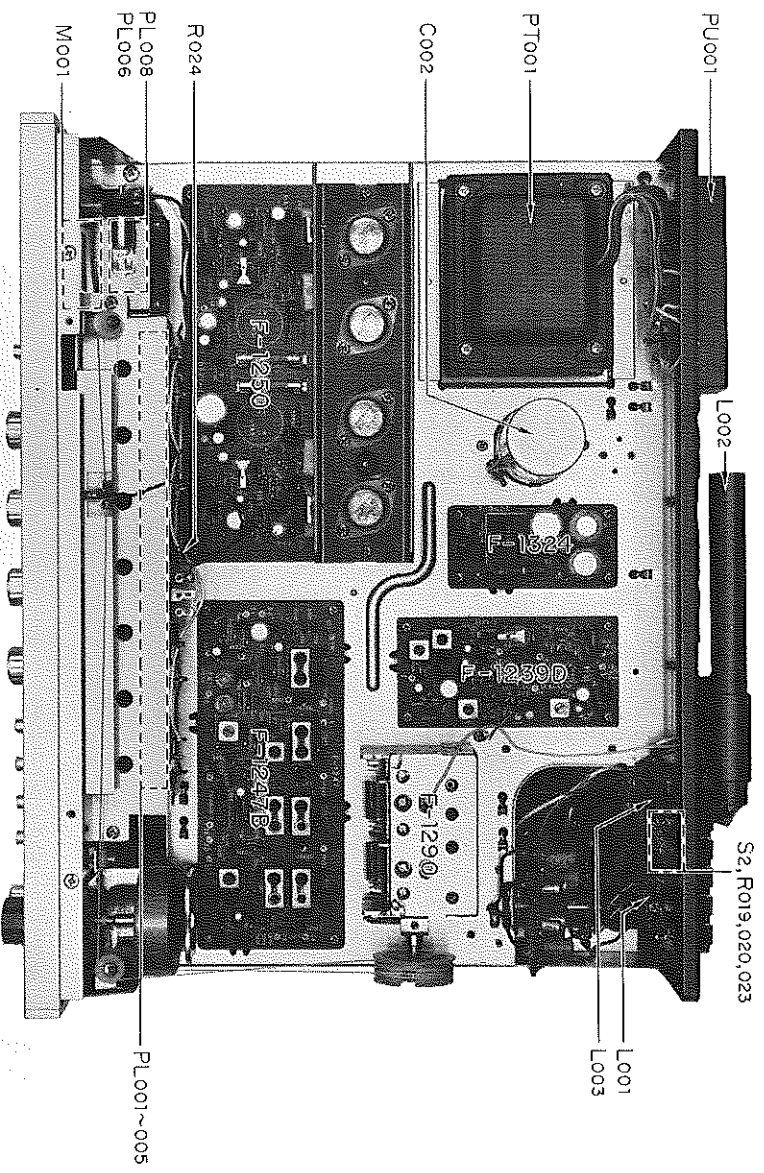


OTHER PARTS

X	Y	Z	
R003	330 Ω	$\pm 10\%$ $\frac{1}{2}$ W S.L.	(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 C.B.	(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 S.L.	(0111681)
R022	680 Ω		(0111681)
R023	1.5k Ω	$\pm 10\%$ $\frac{1}{4}$ W C.B.	(0101152)
R024	18 Ω		(0101180)
R255	820 Ω		(0101821)
R256	33 Ω	$\pm 10\%$ $\frac{1}{4}$ W C.B.	(0101330)
R257	820 Ω		(0101821)
R258	10k Ω		(0101103)
R444	180k Ω		(0101184)
C001	0.022 μ F	$\pm 20\%$ 250V M.Y.	(0605227)
C002	2200 μ F	80 V E.L.	(0559821)
C008	0.003 μ F	$\pm 10\%$ 50 V M.Y.	(0601306)
C256	0.02 μ F		(0659005)
C257	0.047 μ F	$\pm 80\%$ 25 V C.E.	(0659005)
C258	0.047 μ F	$\pm 20\%$	(0659005)
C625	0.015 μ F	$\pm 10\%$ 50 V M.Y.	(061157)
D218	IN 60		(0310330)
TR207	2SC 711 (E, F)		(0305731, 2)
SL1(a-f)	Selector Switch Y-3-7-4		(1103280)
S2	Antenna Att. Switch		(1110040)
S3(a,b)	Tape Monitor Switch		
S4(a,b)	Loudness Switch		
S5(a,b)	Mode Switch		
S6(a,b)	MPX Noise Canceller Switch		
S7(a,b)	Speaker Selector Switch		(1170170)
S8	Power Switch		
J001	Headphones Jack		(1170180)
M001	Tuning Meter		(1130160)
PI001	Power Transformer 400-5407		(2430060)
PI001	Voltage Selector		(4300200)
F001	2A Fuse (100~127V)	(2410170~2410190)	(4000730)
	1.5A Fuse (220~250V)		(0430030)
	Power Fuse Holder		(0430120)
	3A Wired in Fuse		(2300060)
F002	AC Outlet		(0431850)
CO001	6.3V 0.25A Pilot Lamp		(245010)
PL001~005	8V 0.15A Stereo Indicator		(0420020)
PL006	5V 0.06A Needle Indicator		(0400120)
PL007	6.3V 0.25A Pilot Lamp		(0400101)
PL008	75 Ω : 300 Ω High Frequency Transformer		(0400090)
L001	AM Bar Antenna		(4290021)
L002	150 μ H Ferri Inductor		(4200350)
L003	3.5 μ H Choke Coil		(4900080)
L212	10.7MHz Ceramic Filter		(4290010)
CF201			(0910100)

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

OTHER PARTS AND THEIR POSITION ON CHASSIS





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