

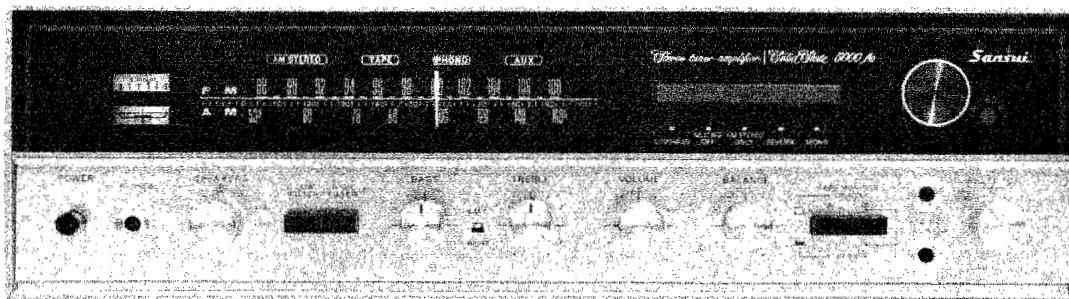
~~VANTAGE ELECTRONICS CORP~~
~~3171 1/4 RAMP~~
~~RICHMOND BC V6V 1A6~~
~~270-7228~~

~~I D A D O C . A K E R E~~ ~~2866618 - 4771603~~

SERVICE MANUAL

AM/FM STEREO TUNER AMPLIFIER

SANSUI 5000A



sansui

SANSUI ELECTRIC COMPANY LIMITED

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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 recorder, antenna and line cord.
2. Improper operation. Before operating any audio com-

ponent, 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.

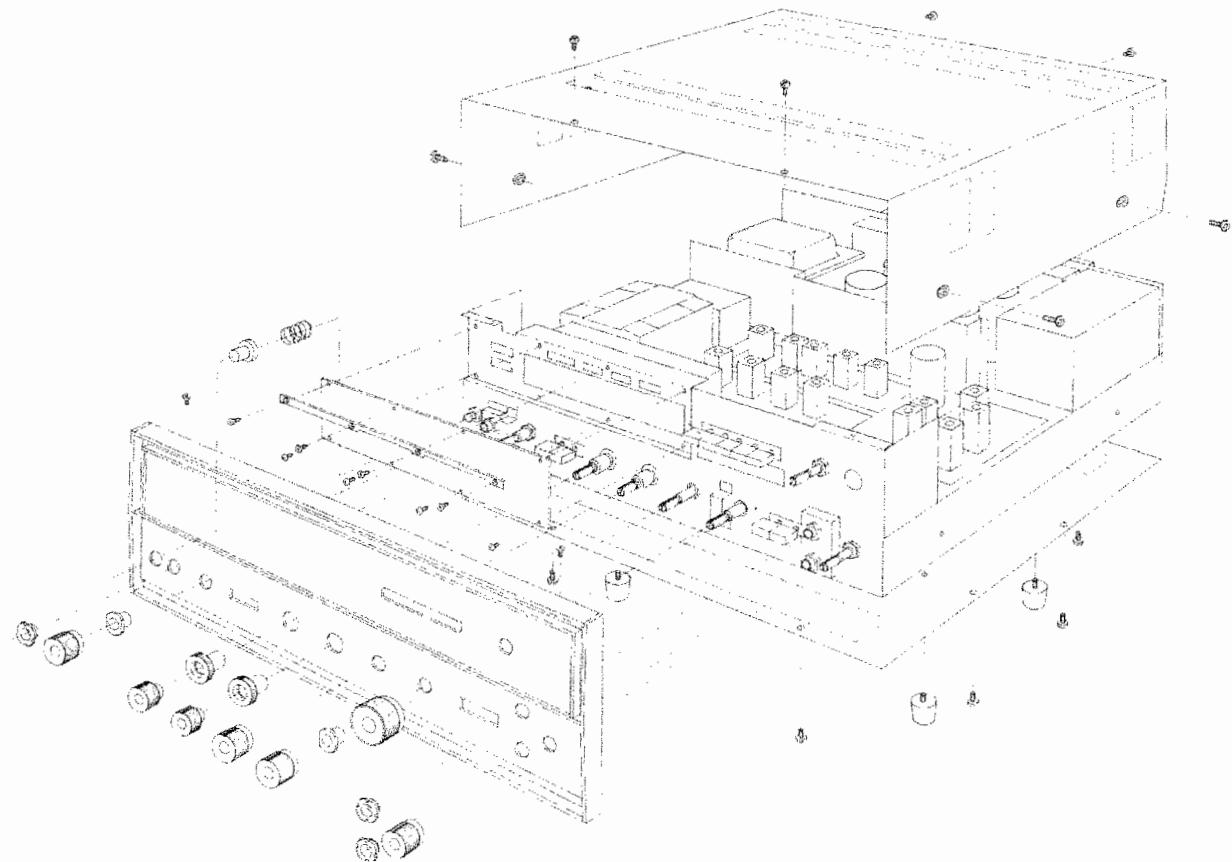
The following are some other common causes of malfunction and what to do about them.

PROGRAM	SYMPTOM	PROBABLE CAUSE	WHAT TO DO
AM, FM or MPX reception	A. Constant or intermittent noise heard at times or in a certain area	<ul style="list-style-type: none"> * Discharge or oscillation caused by electrical appliances, such as fluorescent lamp, TV set, D.C. motor rectifier or oscillator * Natural phenomena, such as atmospheric static or thunderbolts * Insufficient antenna input due to ferr oconcrete wall or long distance from the station * Wave interference from other electrical appliances 	<ul style="list-style-type: none"> * Attach a noise limiter to the electrical appliance causing the noise, or attach it to the amplifiers power source * 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 * Keep the set at a proper distance from other electrical appliances
	B. The needle of the signal and tune meter does not move sharply	<ul style="list-style-type: none"> * Receiver is located in a weak signal area 	<ul style="list-style-type: none"> * Place the set to Receive maximum signal strength
	C. The zero point of the meter diverges much	<ul style="list-style-type: none"> * Regional difference in field intensity 	<ul style="list-style-type: none"> * The unit is not at fault
AM reception	A. Noise heard at a particular time of a day, in a certain area or over part of dial	<ul style="list-style-type: none"> * Due to the nature of AM broadcasts 	<ul style="list-style-type: none"> * Install the 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	<ul style="list-style-type: none"> * Adjacent-channel interference or beat interference * TV set too close to audio system 	<ul style="list-style-type: none"> * Although such noise cannot be eliminated by the amplifier, it is advisable to adjust the TREBLE control from midpoint to left and switch on the HIGH FILTER * Keep the TV set at a proper distance from the audio system
FM reception	A. Noisy	<ul style="list-style-type: none"> * Poor noise limiter effect or too low SN ratio due to insufficient antenna input <p>Note: FM reception is affected considerably by transmission conditions of stations: power and antenna efficiency. As a result, you may receive one station quite well while receiving another station poorly</p>	<ul style="list-style-type: none"> * Install the antenna (attached) for maximum signal strength * If this does not prove effective, use an outdoor antenna designed exclusively for FM. When you use a TV antenna for both TV and FM with a divider, make sure TV reception is not affected * An excessively long antenna may cause noise

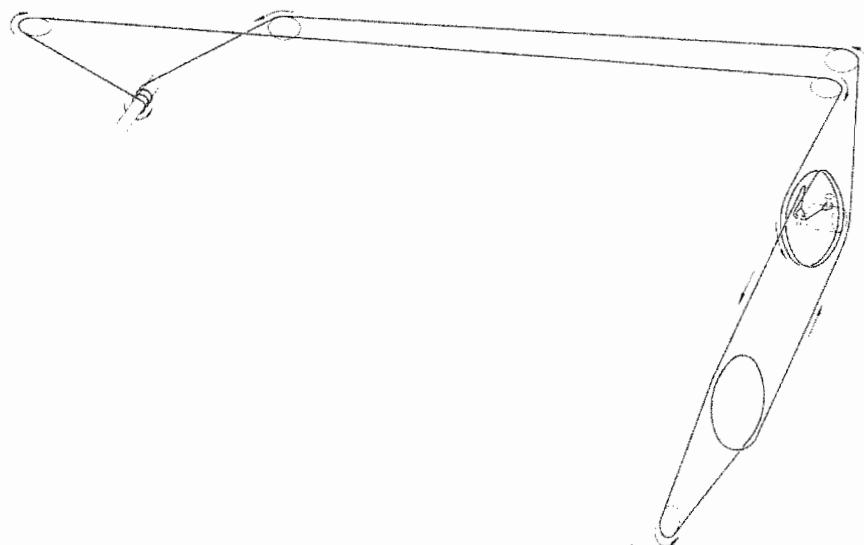
PROGRAM	SYMPTOM	PROBABLE CAUSE	WHAT TO DO
FM reception (cont'd)	B. Noise heard like "Scratch noise" heard	* Ignition noise caused by starting of an automobile engine	* Install the antenna and its lead-in wire in proper distance from the road or raise the antenna input as described above
	C. Tuning noise between stations	* This results from the nature of the FM reception. As the station signal becomes weak, the noise limiter effect is decreased, and the amplification of the limiter, in turn, is enlarged, generating a noise	* Turn the MUTING switch on. It reduces the sensitivity, and therefore it should be used sparingly
FM-MPX reception	A. Noise heard during FM-MPX reception while not heard during FM mono reception	* Weaker signal because the service area of the FM-MPX broadcast is only half that of the FM mono broadcast	* Install the antenna for maximum antenna input * Switch on the high filter and/or turn the TREBLE control from midpoint, left
	B. Clearness of channel separation is decreased during reception	* Excess heat	* Circulation of air is important to the amplifier. Be sure that air is flowing under the amplifier
	C. The stereo indicator blinks on and off	* Interference	* The indicator is not at fault, adjust VR ₄₀₁
	D. The stereo indicator blinks on and off even though 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 speaker * Wire other than shielded wire used * Loose terminal contact * Shielded wire too close to line cord, fluorescent lamp or other electrical appliances * Nearby amateur radio station or TV transmission antenna	* Place a cushion between the player and the speaker box or place them away from each other * The connecting shielded wire should be as short as possible * Switch on the LOW FILTER and adjust the BASS control from midpoint, left * Consult the nearest Radio Regulatory Bureau
	B. Surface noise	* Worn or old record * Worn needle * Needle dusty * Improper needle pressure	* Recondition the playback head of the tape recorder or the needle the record player * Adjust the TREBLE control from midpoint, left * HIGH FILTER on
All stereo programs	BALANCE control is not at midpoint when equal sound comes from left and right channels	* It is important to adjust for equal sound from both channels. It should not always be set to the midpoint	* Set the MONO switch to MONO and then set the BALANCE control to a position where equal sound comes from both channels

DISASSEMBLY PROCEDURE

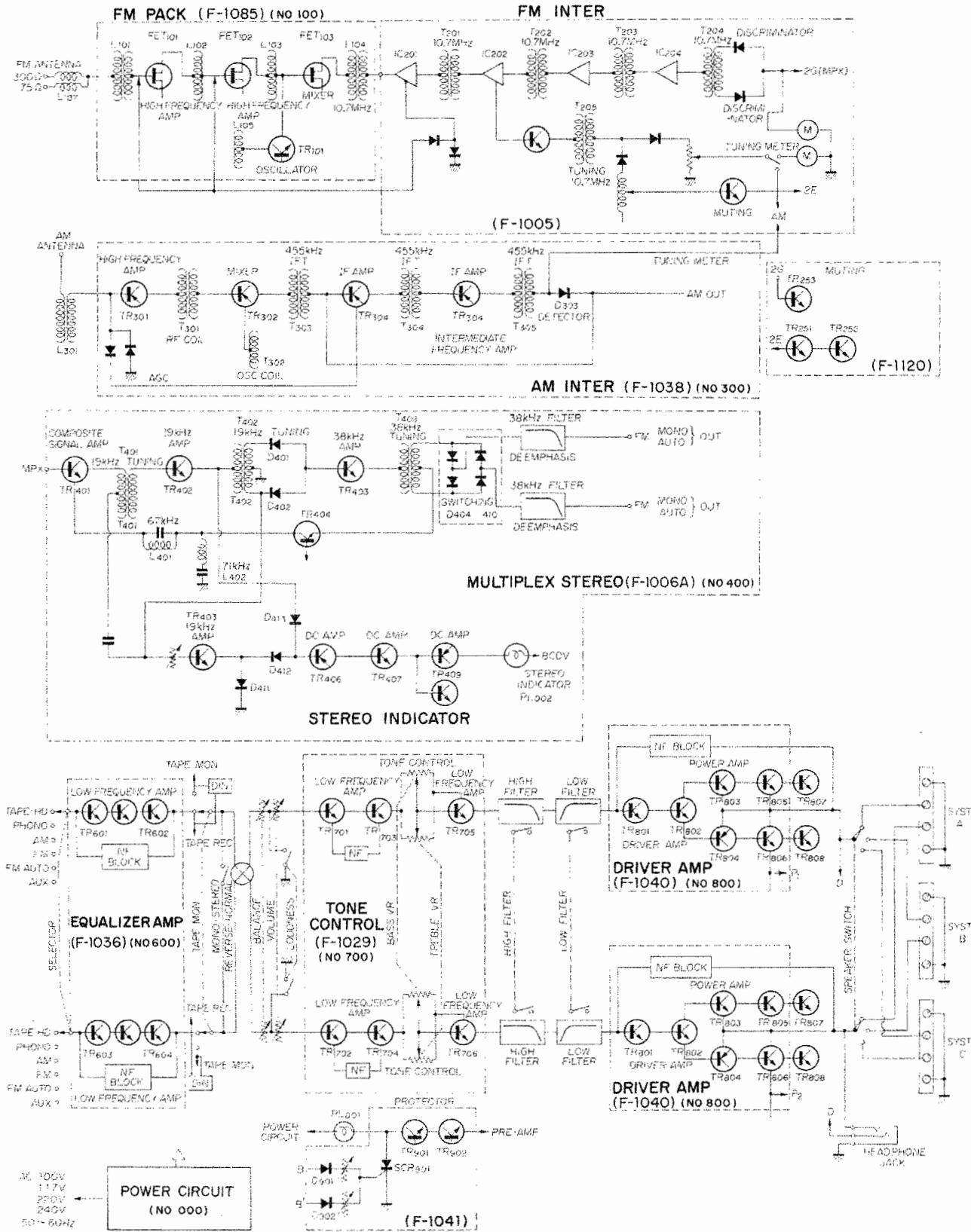
REMOVING THE FRONT PANEL, BONNET AND BOTTOM PLATE



DIAL MECHANISM



BLOCK DIAGRAM



CUSTOM MOUNTING

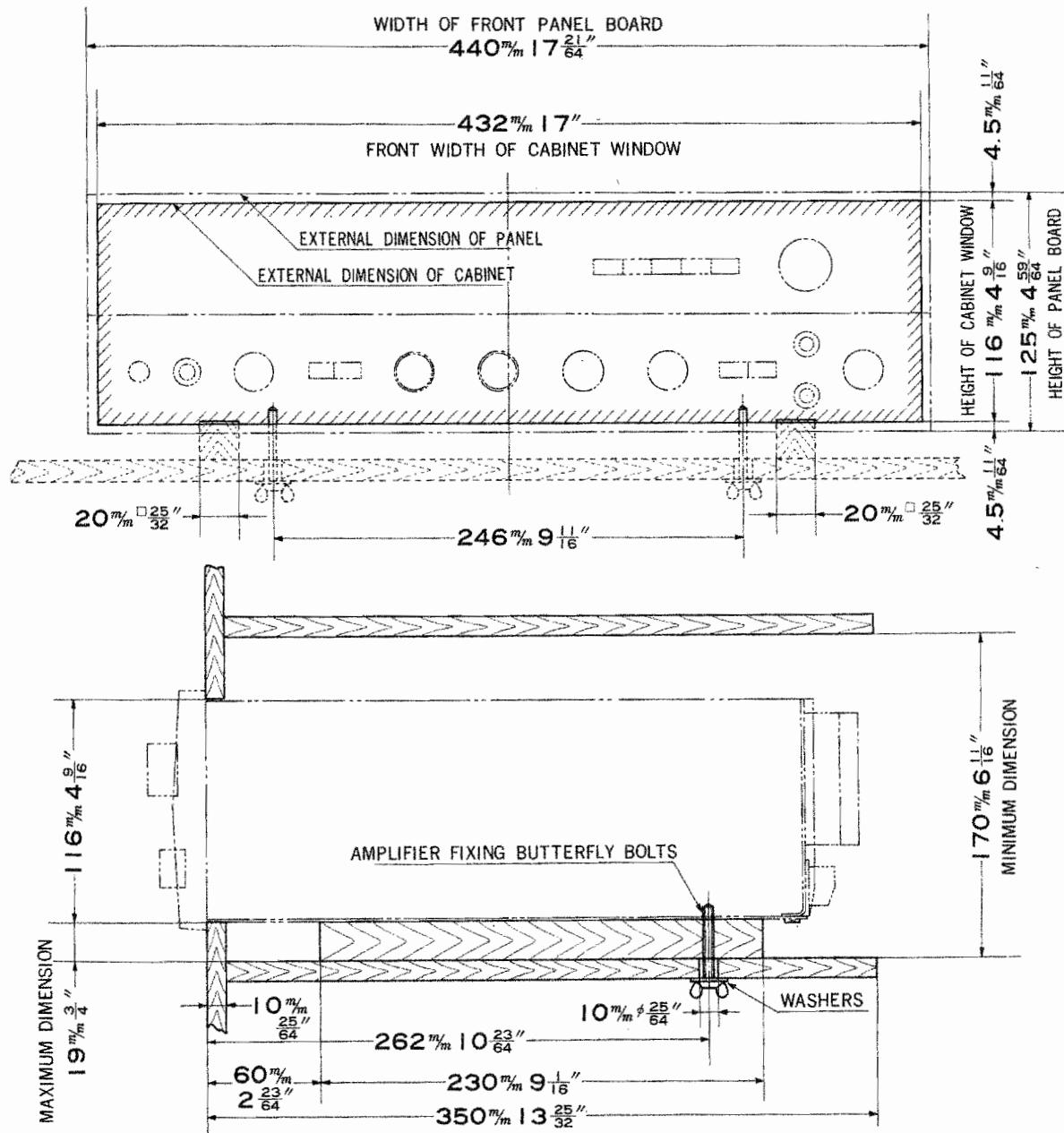
This diagram shows the size and dimensions required for mounting the 5000A into a custommade cabinet. Note that ample space is provided for complete air circulation above and below the tuner.

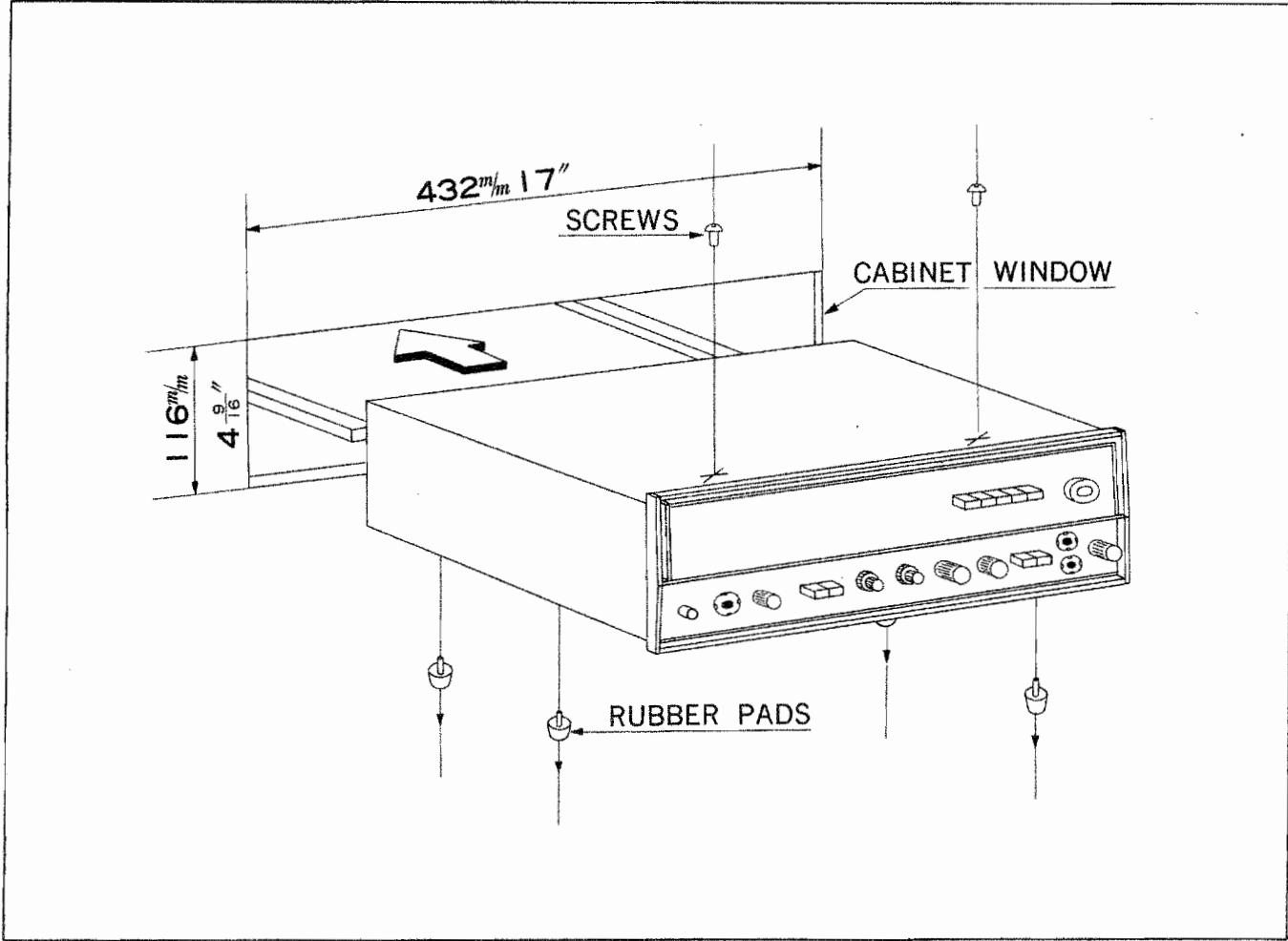
1. Be sure the cabinet window measures $17'' \times 4\frac{9}{16}''$ as indicated in the diagram.
2. Place two boards on the floor of the cabinet as illustrated. Boards should measure $\frac{25}{32}'' \times \frac{25}{32}'' \times 9\frac{1}{16}''$.

3. Drill two holes in the bottom of the cabinet at points corresponding to holes in the bottom of the tuner.

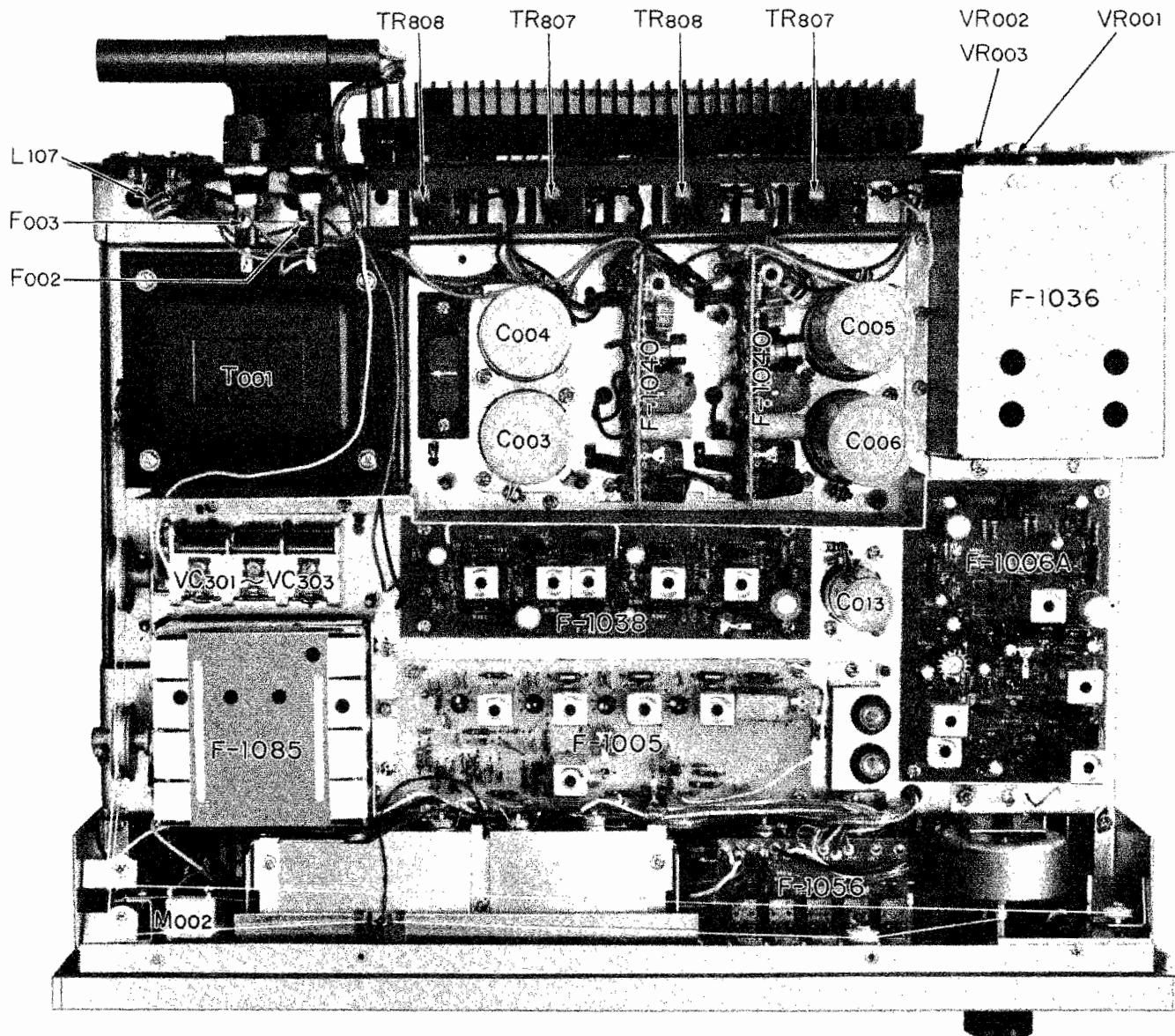
4. Remove the four rubber feet from the 5000A. (Retain for future use.)

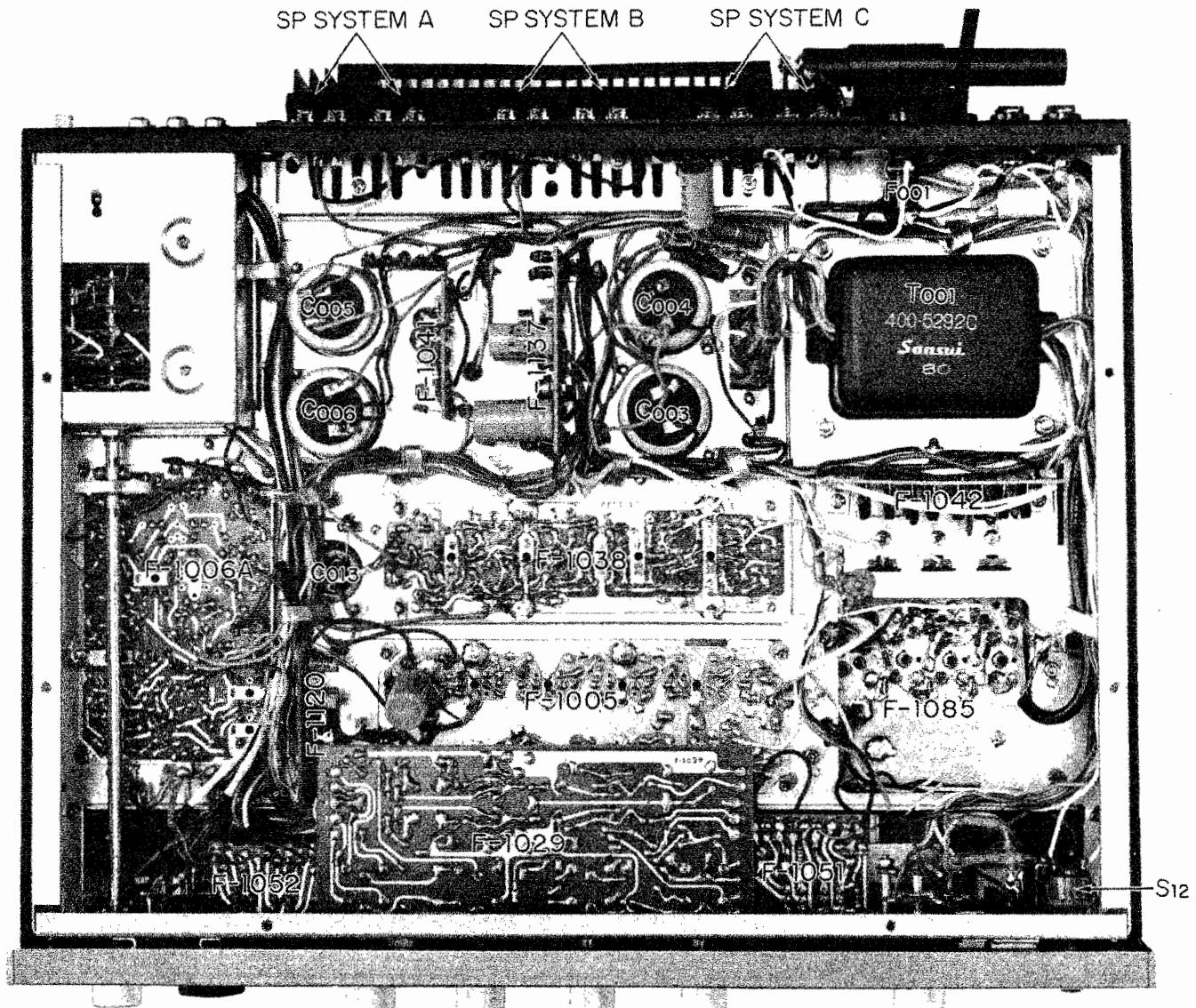
5. Insert the 5000A into the cabinet through the window until the edges of its front panel are flush with the cabinet, and secure both tuner and cabinet with washers and butterfly bolts provided.





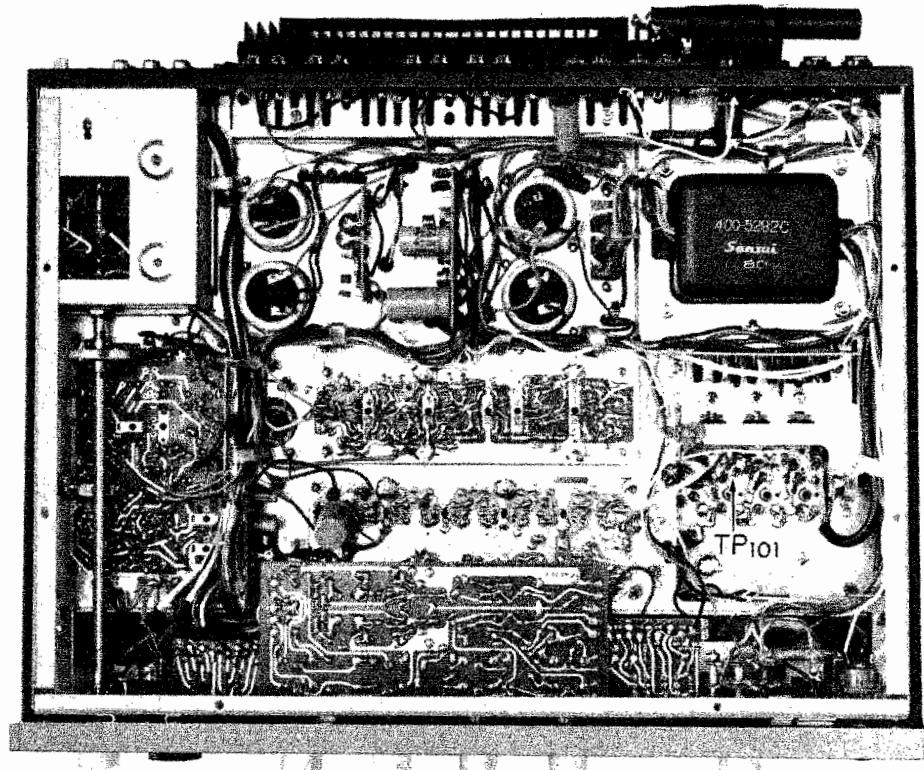
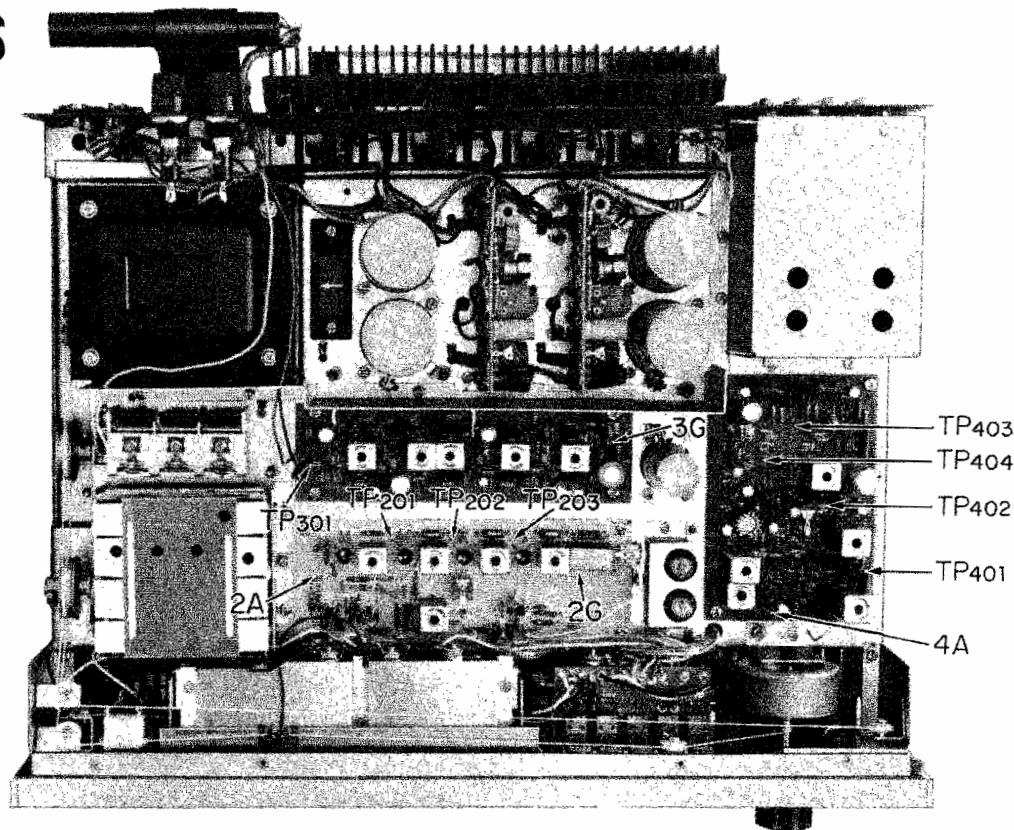
PARTS LAYOUT





ALIGNMENT

TEST POINTS

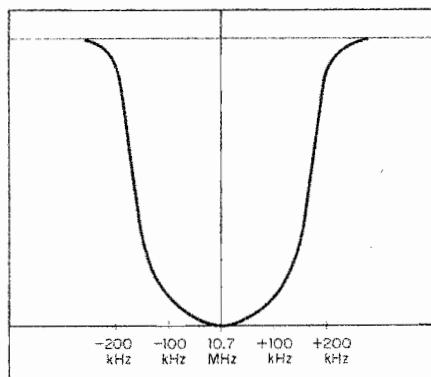


FM ALIGNMENT PROCEDURE

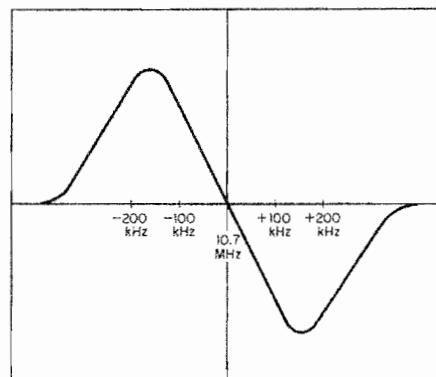
NOTE: To align, set the signal generator level to minimum.
 Turn tuning gang fully.
 Center carrier wave.
 Set pointer at reference mark.

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 condenser	Oscilloscope is connected to $TP_{201}, 202$ and 203 via the 10pF ceramic condenser with probe		Top and bottom sides of $T_{202}, 203$	Best I.F.T. wave form
2.	Discriminator	10.7 MHz ± 200 kHz	Sweep signal is sent to TP_{101} via the 10pF ceramic condenser	Oscilloscope is connected to 2G		FM. Discriminator is transformer T_{204} top and bottom sides	S curve
3.	O.S.C	90 MHz 400 Hz 100% Modulation	To antenna terminals	Oscilloscope and V.T.V.M. at output load	90 MHz	O.S.C. coil L_{104}	Maximum
4.	O.S.C	106 MHz 400 Hz 100% Modulation	To antenna terminals	Oscilloscope and V.T.V.M. at output load	106 MHz	O.S.C. trimmer TC_{105}	Maximum
5.	Reiterate 3 and 4.						
6.	High-frequency 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_{101}, L_{102} and L_{103}	Maximum
7.	High-frequency Amp. Circuit	106 MHz 400 Hz 100% Modulation	To antenna terminals	Oscilloscope and V.T.V.M. at output load	106 MHz	Trimmer $TC_{101}, TC_{102}, TC_{103}$ and, TC_{104}	Maximum
8.	Reiterate 6 and 7.						

FM IF WAVE FORM



FM DISCRIMINATOR WAVE FORM



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

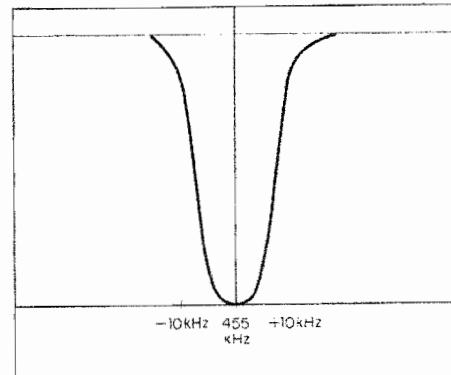
STEP	ALIGN	GENERATOR	FEED SIGNAL	OUTPUT INDICATOR	ADJUST	ADJUST FOR
1.	67 kHz Trap	67 kHz Audio Signal	Connect to TP _{4A}	V.T.V.M. at TP ₄₀₄	L ₄₀₁	Minimum
2.	71 kHz Trap	71 kHz Audio Signal	Connect to TP _{4A}	V.T.V.M. at TP ₄₀₄	L ₄₀₂	Minimum
3.	19 kHz Transformer	FM Signal Gen. Modulated 30% by STEREO Gen. sub-channel	Antenna terminals Tune to signal	V.T.V.M. and Oscilloscope at TP ₄₀₁	T ₄₀₁	Maximum
4.	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 TP ₄₀₂	T ₄₀₂	Maximum
5.	36 kHz Transformer	FM Signal Gen. Modulated 30% by STEREO Gen. sub-channel	Antenna terminals Tune to signal	V.T.V.M. and Oscilloscope at TP ₄₀₃	T ₄₀₃	Maximum
6.	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 $\frac{1}{4}$ turn and Separation VR(VR ₀₀₁)	Channel-R Minimum

AM ALIGNMENT PROCEDURE

NOTE: To align, set the 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	Antenna terminals	Oscilloscope and V.T.V.M. at 3G		top and bottom sides from the 1st I.F.T. (T_{302}) to the 3rd I.F.T. (T_{304})	Best I.F.T. wave form
2.	O.S.C.	AM-generator 535 kHz 400 Hz 30% Modulation	Antenna terminals	Oscilloscope and V.T.V.M. at output load	535 kHz	O.S.C. Coil L_{302}	Maximum
3.	O.S.C.	AM-generator 1600 kHz 400 Hz 30% Modulation	Antenna terminals	Oscilloscope and V.T.V.M. at output load	1600 kHz	O.S.C. Trimmer TC_{303}	Maximum
4.	Reiterate 2 and 3						
5.	RF amp.	AM-generator 600 kHz 400 Hz 30% Modulation	Antenna terminals	Oscilloscope and V.T.V.M. at output load	600 kHz	RF transformer T_{301}	Maximum
6.	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 L_{301}	Maximum
7.	RF amp.	AM-generator 1400 kHz 400 Hz 30% Modulation	Antenna terminals	Oscilloscope and V.T.V.M. at output load	1400 kHz	RF Trimmer TC_{302}	Maximum
8.	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_{301}	Maximum
9.	Reiterate 5, 6, 7, 8.						

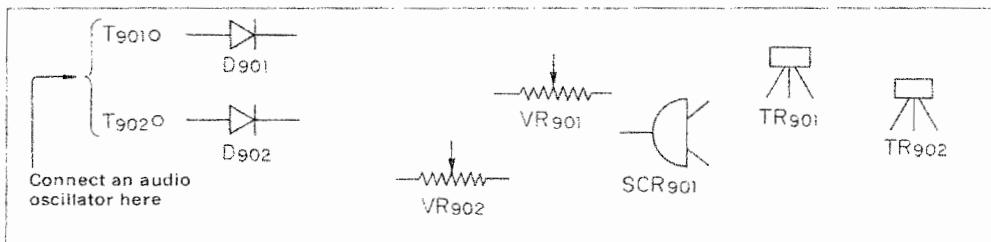
AM IF WAVE FORM



ALIGNMENT

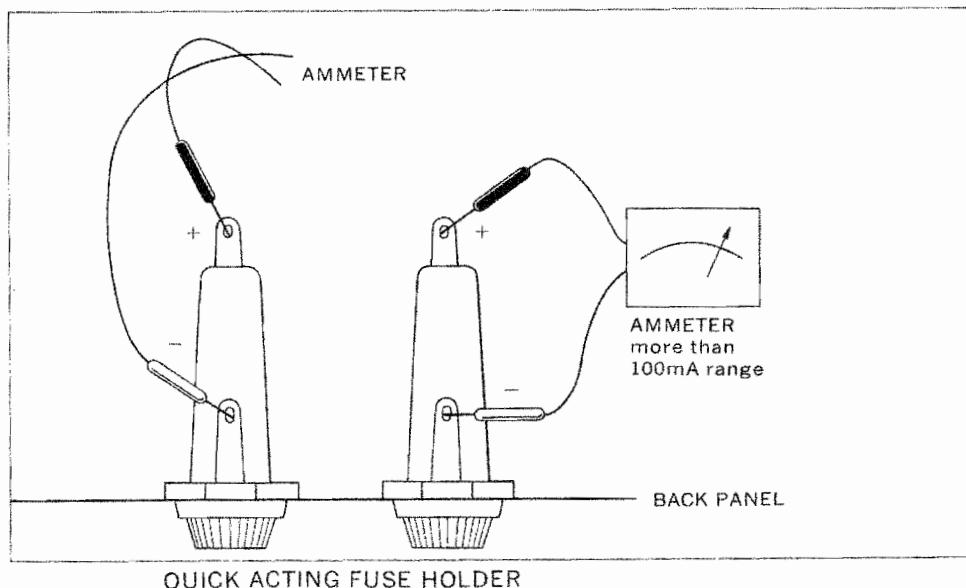
TO ADJUST THE PROTECTOR CIRCUIT (F-1041)

1. Remove wiring from T₉₀₁ and T₉₀₂.
2. Send a 6-volt RMS signal (1 kHz) to T₉₀₁ and adjust VR₉₀₁ to make the protector lamp glow.
3. Send a 6-volt RMS signal (1 kHz) to T₉₀₂ and adjust VR₉₀₂ to make the protector lamp glow.
4. Attach wiring to T₉₀₁ and T₉₀₂ in its original place.



TO ADJUST THE BIAS CURRENT IN THE OUTPUT STAGE

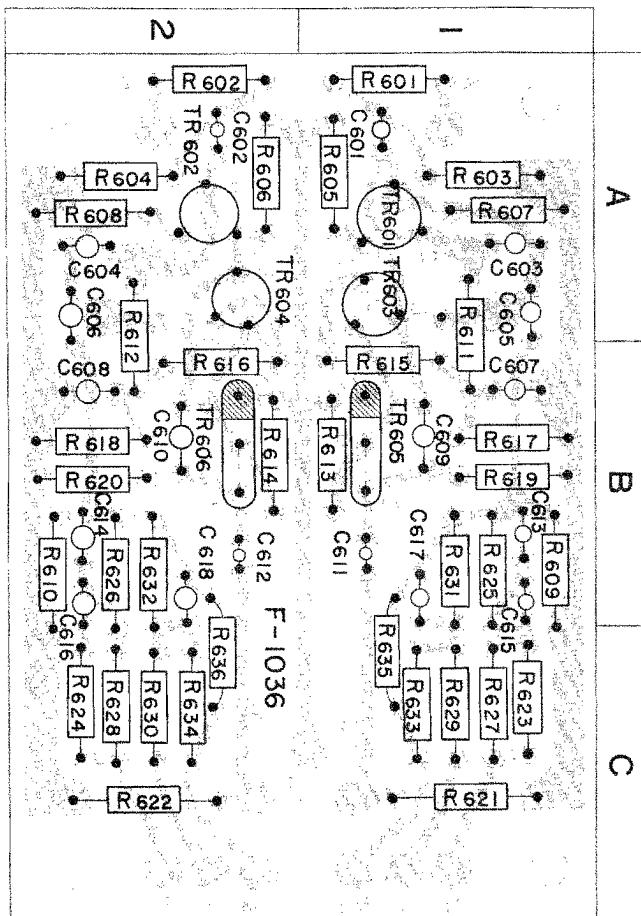
1. Set the MAIN VOL. control to the MINIMUM position.
2. Connect a resistor (approx. 10 ohms and 1 watt) to each of the SPEAKER output terminals.
3. Remove quick-acting fuse from its holder.
4. Connect an ammeter (about 100 milliamperes) to CHANNEL R as illustrated.
5. Adjust the VR₈₀₂ on F-1040 sheet so that the ammeter indicates 23 milliamperes.
6. Remove the ammeter and secure the fuse in place.
7. Adjust CHANNEL L as above.



PRINTED CIRCUIT SHEETS AND PARTS LIST

X : Parts No. Y : Parts Name Z : Co-ordinates in Printed Circuit Sheets

F-1036 <EQUALIZER AMP. >

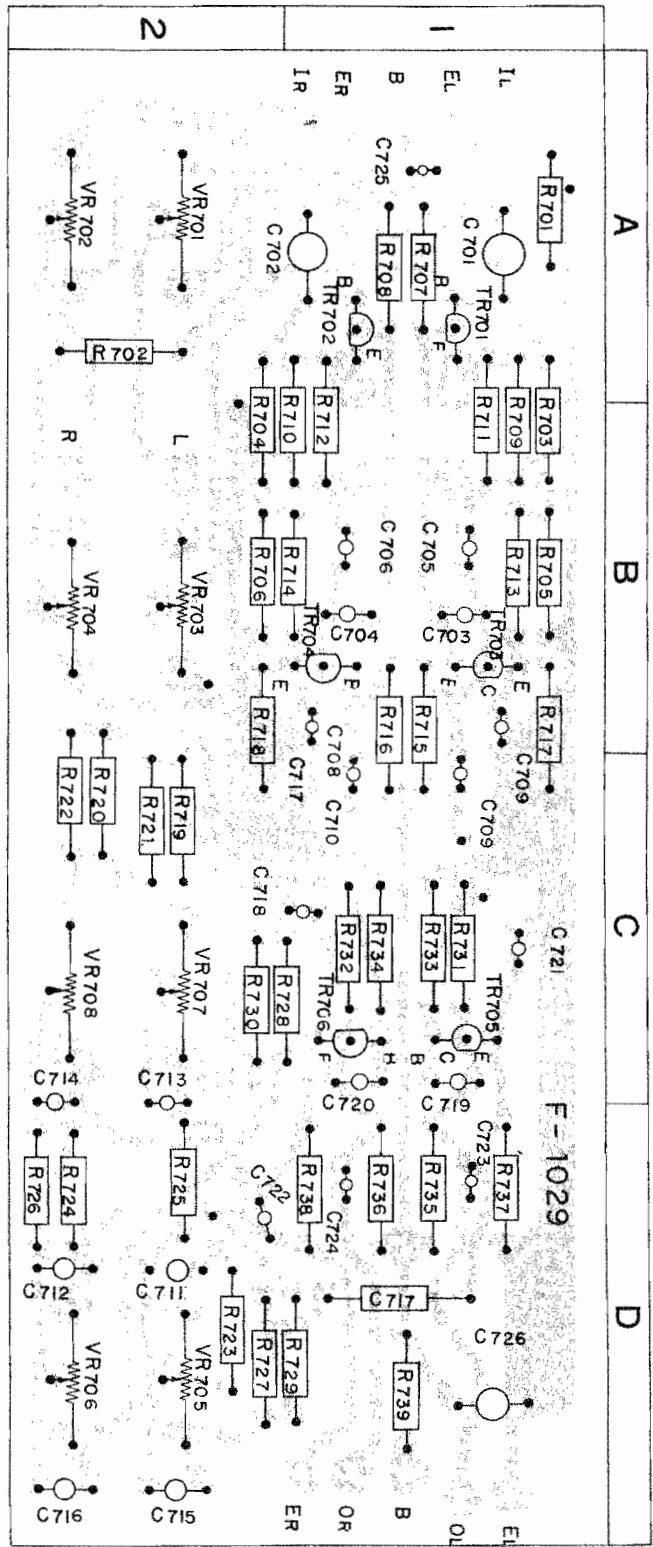


X	Y	Z
R601	1kΩ 1/4W ±10% PREC. Fixed	1A
R602	1kΩ 1/4W ±10% PREC. Fixed	1A
R603	680kΩ 1/4W ±10% PREC. Fixed	1A
R604	680kΩ 1/4W ±10% PREC. Fixed	1A

X	Y	Z
R605	220kΩ 1/4W ±10% PREC. Fixed	1A
R606	220kΩ 1/4W ±10% PREC. Fixed	1A
R607	1kΩ 1/4W ±10% PREC. Fixed	1A
R608	1kΩ 1/4W ±10% PREC. Fixed	1A
R609	470Ω 1/4W ±10% PREC. Fixed	1B
R610	470Ω 1/4W ±10% PREC. Fixed	1B
R611	270kΩ 1/4W ±10% PREC. Fixed	1A, B
R612	270kΩ 1/4W ±10% PREC. Fixed	1A, B
R613	33kΩ 1/4W ±10% PREC. Fixed	1B
R614	33kΩ 1/4W ±10% PREC. Fixed	1B
R615	680Ω 1/4W ±10% PREC. Fixed	1B
R616	680Ω 1/4W ±10% PREC. Fixed	1B
R617	2.2kΩ 1/4W ±10% PREC. Fixed	1B
R618	2.2kΩ 1/4W ±10% PREC. Fixed	1B
R619	3.9kΩ 1/4W ±10% PREC. Fixed	1B
R620	3.9kΩ 1/4W ±10% PREC. Fixed	1B
R621	39kΩ 1/4W ±10% PREC. Fixed	1C
R622	39kΩ 1/4W ±10% PREC. Fixed	1C
R623	820Ω 1/4W ±10% PREC. Fixed	1C
R624	820Ω 1/4W ±10% PREC. Fixed	1C
R625	220kΩ 1/4W ±10% PREC. Fixed	1B
R626	220kΩ 1/4W ±10% PREC. Fixed	1B
R627	18kΩ 1/4W ±10% PREC. Fixed	1C
R628	18kΩ 1/4W ±10% PREC. Fixed	1C
R629	10kΩ 1/4W ±10% PREC. Fixed	1C
R630	10kΩ 1/4W ±10% PREC. Fixed	1C
R631	680kΩ 1/4W ±10% PREC. Fixed	1B
R632	680kΩ 1/4W ±10% PREC. Fixed	1B
R635	4.7kΩ 1/4W ±10% PREC. Fixed	1C
R636	4.7kΩ 1/4W ±10% PREC. Fixed	1C
C601	1.5μF	10 VDCW. Ta.
C602	1.5μF	10 VDCW. Ta.
C603	150pF ±10%	50 VDCW. CER.
C604	150pF ±10%	50 VDCW. CER.
C605	220μF	6.3 VDCW. ELECT.
C606	220μF	6.3 VDCW. ELECT.
C607	10μF	10 VDCW. ELECT.
C608	10μF	10 VDCW. ELECT.
C609	30pF ±10%	50 VDCW.
C610	30pF ±10%	50 VDCW.
C611	10μF	25 VDCW. ELECT.
C612	10μF	25 VDCW. ELECT.
C613	0.015μF ±10%	50 VDCW. My.
C614	0.004pF ±10%	50 VDCW. My.
C615	0.004pF ±10%	50 VDCW. My.
C616	0.005pF ±10%	50 VDCW. My.
C617	0.0047pF ±10%	50 VDCW. My.
C618	0.0047pF ±10%	50 VDCW. My.
TR601	2SC458LG	Si N-P-N
TR602	2SC458LG	Si N-P-N
TR603	2SC281 or (2SC631)	Si N-P-N
TR604	2SC281 or (2SC631)	Si N-P-N
TR605	2SC281 or (2SC631)	Si N-P-N
TR606	2SC281 or (2SC631)	Si N-P-N

PRINTED CIRCUIT SHEETS AND PARTS LIST

F-1029 < TONE CONTROL >



X	Y	Z
R701	1kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	2A
R702	1kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	1A
R703	47kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	2A, B
R704	47kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	1A, B
R705	68kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	2B
R706	68kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	1B
R707	100kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	1A
R708	100kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	1A
R709	1kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	1A, B
R710	1kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	1A, B
R711	8.2kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	1A, B
R712	8.2kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	1A, B
R713	120kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	1B
R714	120kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	1B
R715	15kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	2B
R716	15kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	1B, C
R717	2.7kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	2B, C
R718	2.7kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	1B, C
R719	10kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	2C
R720	10kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	2C
R721	6.8kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	2C
R722	6.8kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	2C
R723	150kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	2D
R724	150kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	2D
R725	22kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	2D
R726	22kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	2D
R727	10kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	12C
R728	10kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	2D
R729	6.8kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	2C
R730	6.8kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	1D
R731	470kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	1C
R732	470kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	1C
R733	150kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	1C
R734	150kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	1C
R735	5.6kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	1D
R736	5.6kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	1D
R737	560Ω $\frac{1}{4}$ W ±10% PREC. Fixed	1D
R738	560Ω $\frac{1}{4}$ W ±10% PREC. Fixed	1D
R739	100Ω $\frac{1}{4}$ W ±10% PREC. Fixed	1D
C701	0.2μF	50 VDCW. My.
C702	0.2μF	50 VDCW. My.
C703	20pF	50 VDCW. CER.
C704	20pF	50 VDCW. CER.
C705	30μF	15 VDCW. ELECT.
C706	30μF	15 VDCW. ELECT.
C707	30μF	15 VDCW. ELECT.
C708	30μF	15 VDCW. ELECT.
C709	3μF	25 VDCW. ELECT.
C710	3μF	25 VDCW. ELECT.
C711	0.04μF	50 VDCW. My.
C712	0.04μF	50 VDCW. My.
C713	0.0015μF	50 VDCW. My.
C714	0.0015μF	50 VDCW. My.
C715	0.04μF	50 VDCW. My.
C716	0.04μF	50 VDCW. My.

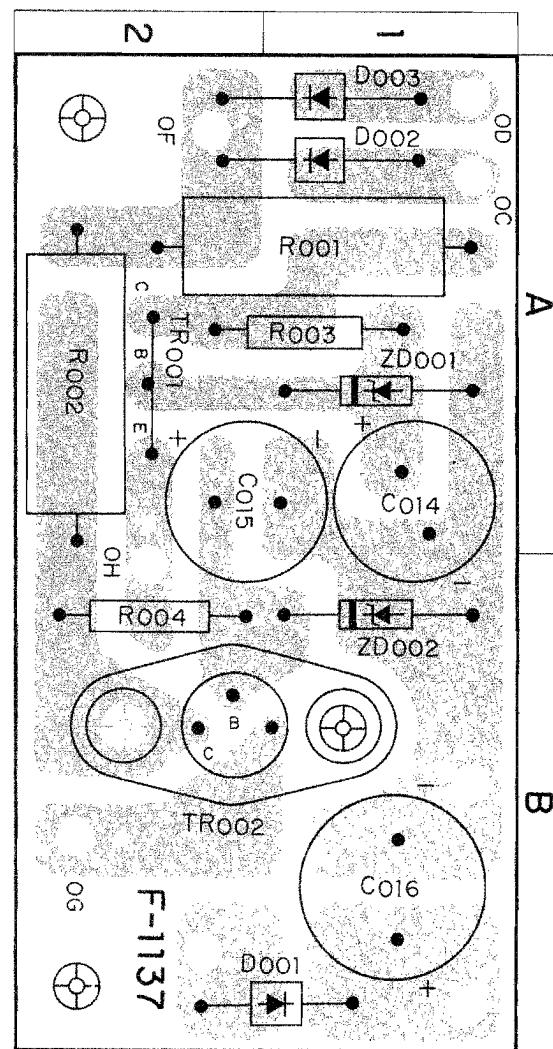
X: Parts No.

Y: Parts Name

Z: Co-ordinates in Printed Circuit Sheets

F-1137 < RIPPLE FILTER >

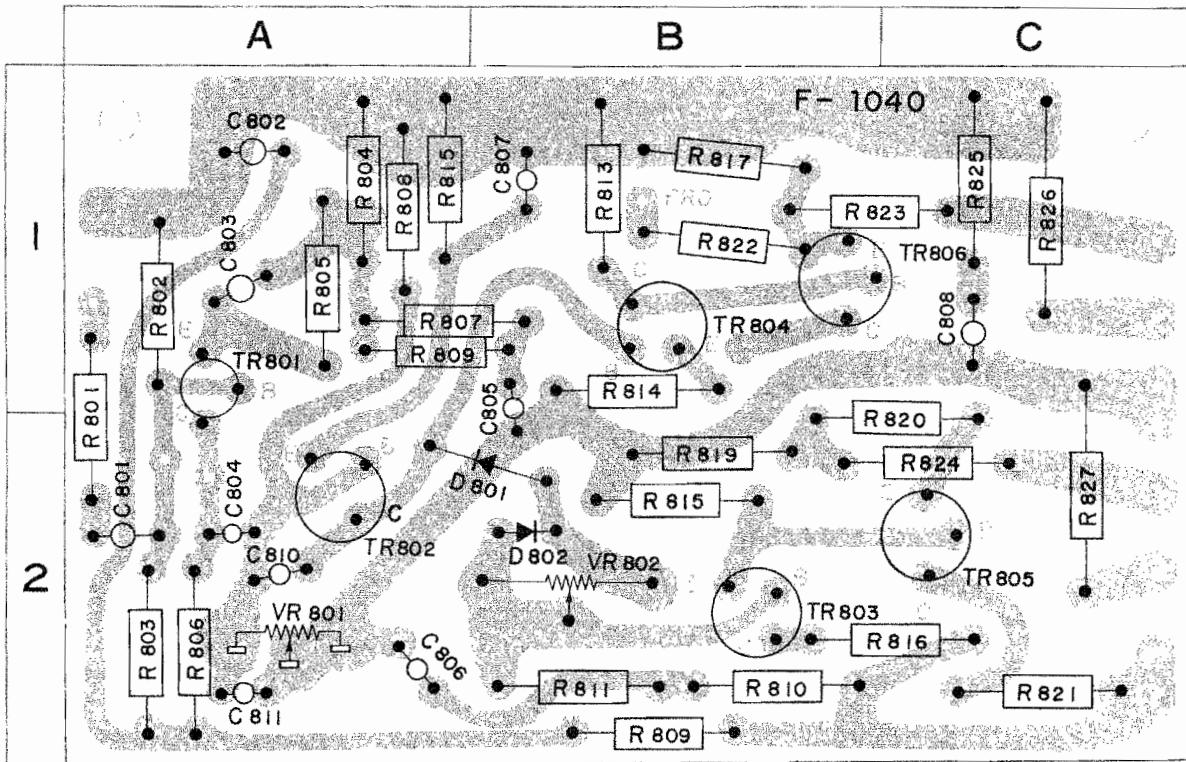
X	Y	Z
C717	3μF	25 VDCW. ELECT.
C718	3μF	25 VDCW. ELECT.
C719	80 pF	50 VDCW. CER.
C720	80 pF	50 VDCW. CER.
C721	30μF	15 VDCW. ELECT.
C722	30μF	15 VDCW. ELECT.
C723	1μF	50 VDCW. ELECT.
C724	1μF	50 VDCW. ELECT.
C725	0.47μF	25 VDCW. ELECT.
C726	200 pF	25 VDCW. ELECT.
VR701	250k(M)	Balance Control (101021)
VR702	250k(N)	
VR703	250k(B)	Main Control (101020)
VR704	250k(B)	
VR705	100k(B)	Bass Control (102004)
VR706	100k(B)	
VR707	100k(B)	Treble Control (102004)
VR708	100k(B)	
TR701	2SC693F	Si N-P-N
TR702	2SC693F	Si N-P-N
TR703	2SC536E	Si N-P-N
TR704	2SC536E	Si N-P-N
TR705	2SC871D	Si N-P-N
TR706	2SC871D	Si N-P-N



X	Y	Z
R001	68Ω	3 W ±10% WW Fixed
R002	180Ω	3 W ±10% WW Fixed
R003	3.9kΩ	½ W ±10% WW Solid Fixed
R004	1.5kΩ	½ W ±10% WW Solid Fixed
C014	100μF	50 VDCW. ELECT.
C015	330μF	16 VDCW. ELECT.
C016	1000μF	10 VDCW. ELECT.
TR001	2SD72 TR	030812-1
TR002	2SD223 TR	030823-0~2
D001	SW-05-02 D	031017
D002	SW-05-02 D	031017
D003	SW-05-02 D	031017
ZD001	ZB1-27	031074
ZD002	ZB1-13	031073

PRINTED CIRCUIT SHEETS AND PARTS LIST

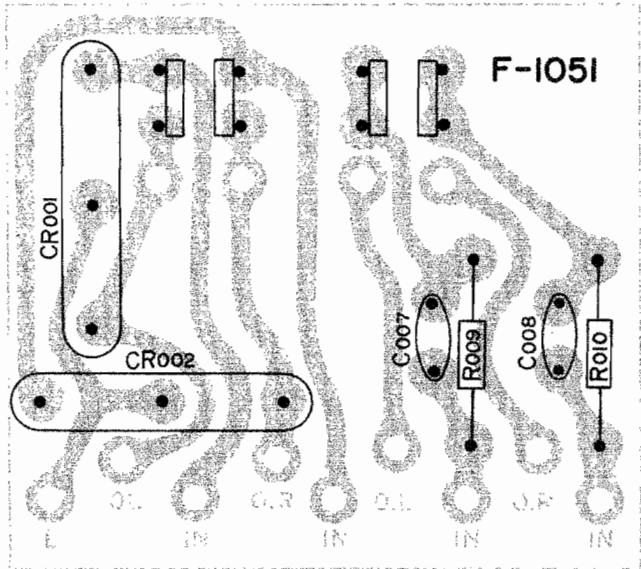
F-1040 <DRIVER AMP.>



X	Y				Z	X	Y				Z	
R801	2.2kΩ	1/4W	±10%	COMP.	Fixed	1, 2A	R826	0.3Ω	1W	±10%	WW.	
R802	220kΩ	1/4W	±10%	COMP.	Fixed	1A	R827	0.3Ω	1W		COMP. Fixed	2C
R803	560kΩ	1/4W	±10%	COMP.	Fixed	2A	VR801	500kΩ(B)	(103050)			2A
R804	220Ω	1/4W	±10%	COMP.	Fixed	1A	VR802	500Ω(B)	(103051)			2B
R805	2.2kΩ	1/4W	±10%	COMP.	Fixed	1A	C801	0.5μF		50 VDCW.	My.	2A
R806	2.7kΩ	1/4W	±10%	COMP.	Fixed	2A	C802	100μF		35 VDCW.	ELECT.	1A
R807	6.8kΩ	1/4W	±10%	COMP.	Fixed	1A, B	C803	220μF		15 VDCW.	ELECT.	1A
R808	10kΩ	1/4W	±10%	COMP.	Fixed	1A	C804	1μF		50 VDCW.	Ta.	2A
R809	47kΩ	1/4W	±10%	COMP.	Fixed	1A, B	C805	10μF		50 VDCW.	ELECT.	1B
R810	1kΩ	1/4W	±10%	COMP.	Fixed		C806	33μF		50 VDCW.	ELECT.	2A
R811	3.3kΩ	1/4W	±10%	COMP.	Fixed		C807	47μF		15 VDCW.	ELECT.	1B
R812	220Ω	1/4W	±10%	COMP.	Fixed		C808	0.05μF		50 VDCW.	CER.	1C
R813	120Ω	1/4W	±10%	COMP.	Fixed	1B	C809	100pF		50 VDCW.	CER.	1A, B
R814	120Ω	1/4W	±10%	COMP.	Fixed	1B	C810	100pF		50 VDCW.	CER.	2A
R815	120Ω	1/4W	±10%	COMP.	Fixed	1A	TR801	2SC458LG(C)		Si N-P-N		1A
R816	33Ω	1/4W	±10%	COMP.	Fixed		TR802	2SC756		Si N-P-N		2A
R817	100Ω	1/4W	±10%	COMP.	Fixed		TR803	2SC485		Si N-P-N		2B
R818	3.3Ω	1/4W	±10%	COMP.	Fixed		TR804	2SA485		Si N-P-N		1B
R819	100Ω	1/4W	±10%	COMP.	Fixed		TR805	2SC756		Si N-P-N		2C
R820	4.7Ω	1/4W	±10%	COMP.	Fixed	1B	TR806	2SC756		Si N-P-N		1B, C
R821	3.3Ω	1/4W	±10%	COMP.	Fixed		D801	LV-2		Si Varistor	(034002)	2A, B
R822	1kΩ	1/4W	±10%	COMP.	Fixed	1B, C	D802	LV-2		Si Varistor	(034002)	2B
R823	3.3Ω	1/4W	±10%	COMP.	Fixed							
R824	3.3Ω	1/4W	±10%	COMP.	Fixed							
R825	22Ω	1/4W	±10%	COMP.	Fixed							

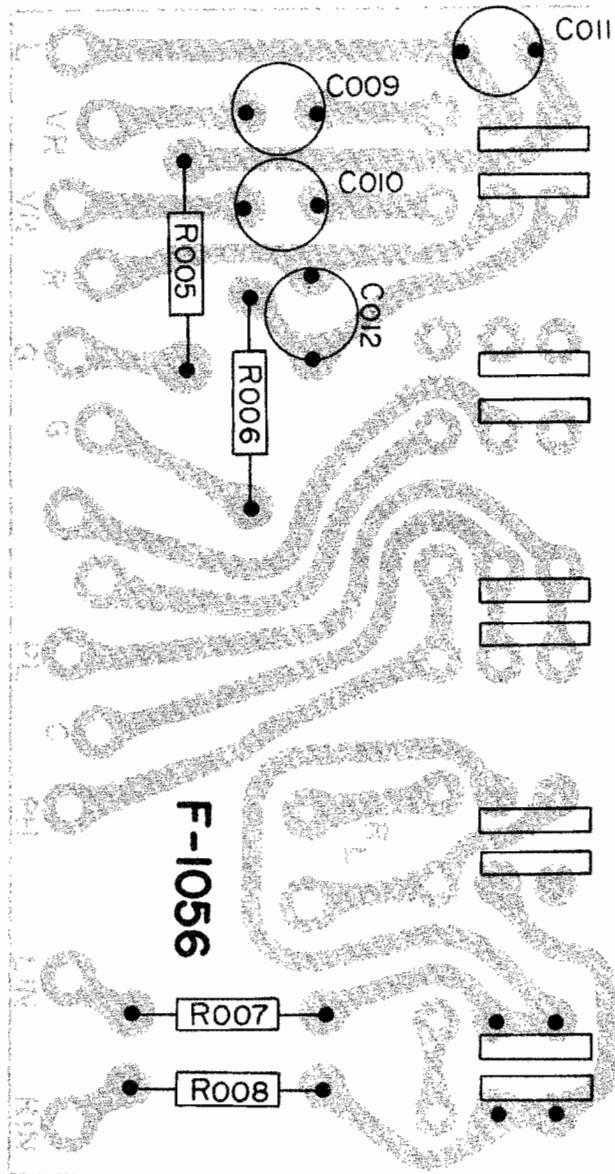
X: Parts No.
 Y: Parts Name
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F-1051 <HIGH-LOW FILTER>



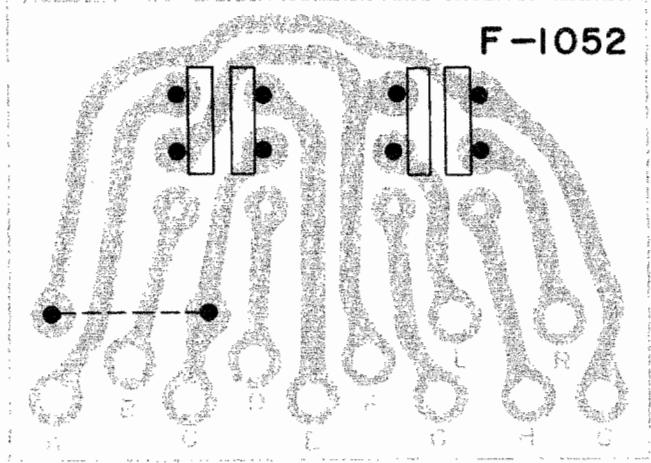
X	Y	Z
R009	470 kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	
R010	470 kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	
C007	0.0068 μF 50 VDCW. My.	
C008	0.0068 μF 50 VDCW. My.	
CR001	Low Filter CER.	
CR002	Low Filter CER.	

F-1056 <ACCESSORY CIRCUIT>



X	Y	Z
R005	33 kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	
R006	33 kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	
R007	8.2 kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	
R008	8.2 kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	
C009	0.022 μF 50 VDCW. My.	
C010	0.022 μF 50 VDCW. My.	
C011	150 pF 50 VDCW. Mc.	
C012	150 pF 50 VDCW. Mc.	

<TAPE MONITOR SW>



PRINTED CIRCUIT SHEETS AND PARTS LIST

F-1085

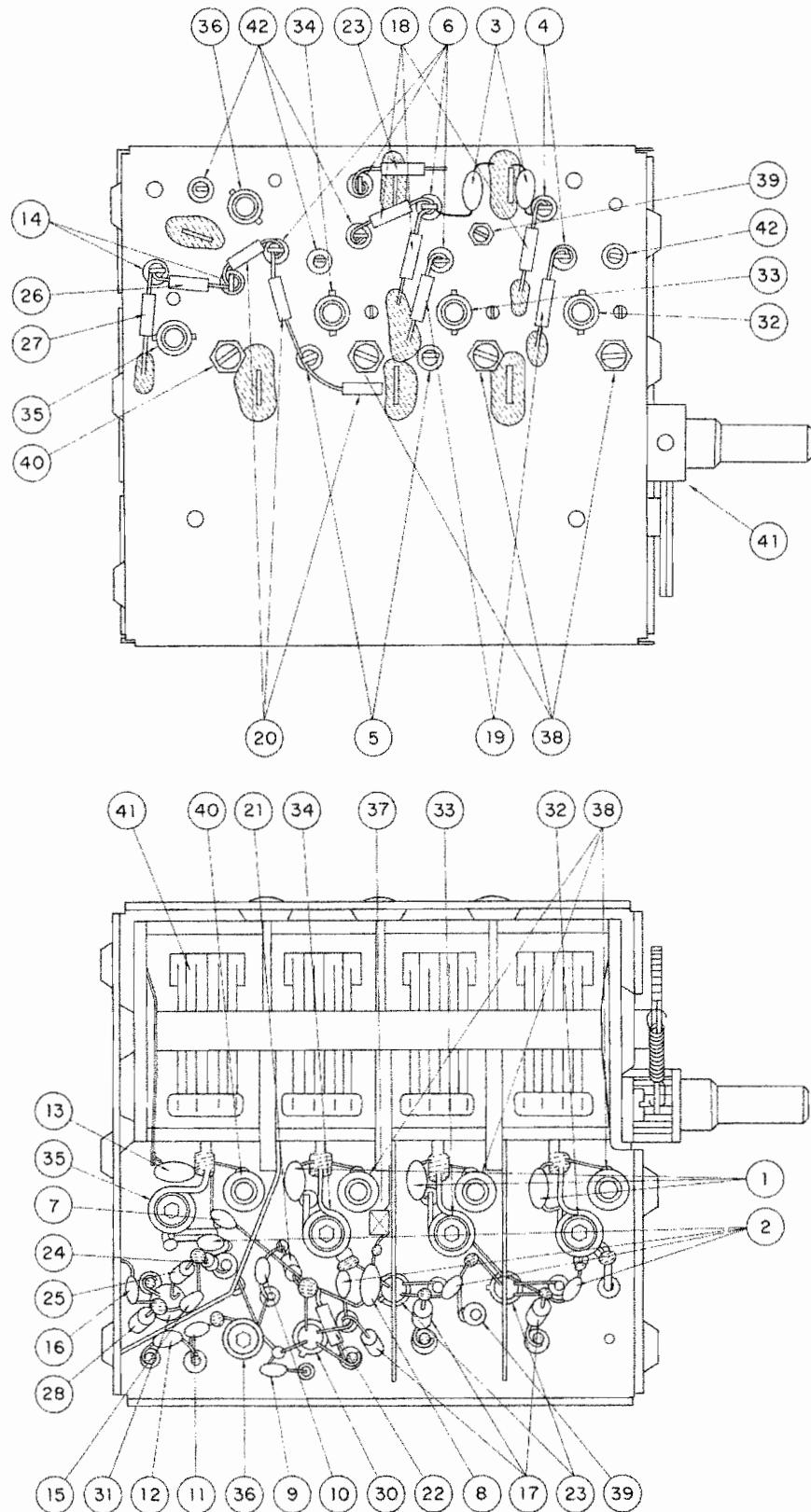
X	Y				Z
C101	15 pF	± 5 %	NPO	50 VDCW.	CER. ①
C102	1000 pF	+100 %	- 0 %	NPO	50 VDCW. CER. ②
C103	1000 pF	+100 %	- 0 %	NPO	50 VDCW. CER. ④
C104	0.02 μF	+100 %	- 0 %	NPO	50 VDCW. CER. ③
C105	1000 pF	+100 %	- 0 %	NPO	50 VDCW. CER. ④
C106	2000 pF	+100 %	- 0 %	NPO	50 VDCW. CER. ⑤
C107	1000 pF	+100 %	- 0 %	NPO	50 VDCW. CER. ②
C108	15 pF	± 5 %	NPO	50 VDCW.	CER. ①
C109	1000 pF	+100 %	- 0 %	NPO	50 VDCW. CER. ⑥
C110	0.02 μF	+100 %	- 0 %	NPO	50 VDCW. CER. ③
C111	1000 pF	+100 %	- 0 %	NPO	50 VDCW. CER. ⑥
C112	2000 pF	+100 %	- 0 %	NPO	50 VDCW. CER. ⑤
C113	1000 pF	+100 %	- 0 %	NPO	50 VDCW. CER. ②
C114	15 pF	± 5 %	NPO	50 VDCW.	CER. ①
C115	1 pF	± 5 %	50 VDCW	GIMMICK.	⑦
C116	470 pF	± 20 %		50 VDCW.	CER. ⑧
C117	1000 pF	+100 %	- 0 %	50 VDCW.	CER. ⑥
C118	120 pF	± 10 %		50 VDCW.	CER. ⑨
C119	0.02 μF	+100 %	- 0 %	50 VDCW.	CER. ⑩
C120	180 pF	± 10 %		50 VDCW.	CER. ⑪
C121	330 pF	± 10 %		50 VDCW.	CER. ⑫
C122	1000 pF	+100 %	- 0 %	50 VDCW.	CER. ⑥
C123	17 pF	± 10 %	N80	50 VDCW.	CER. ⑬
C124	1000 pF	+100 %	- 0 %	50 VDCW.	CER. ②
C125	100 pF	+100 %	- 0 %	50 VDCW.	CER. ⑭
C126	8.2 pF	± 5 %	NPO	50 VDCW.	CER. ⑮
C127	100 pF	+100 %	- 0 %	50 VDCW.	CER. ⑯
C128	22 pF	± 5 %	NPO	50 VDCW.	CER. ⑯
R101	220 kΩ	± 10 %	1/4W	SOLID.	⑰
R102	470 kΩ	± 10 %	1/4W	SOLID.	⑱
R103	100 Ω	± 10 %	1/4W	SOLID.	⑲
R104	220 kΩ	± 10 %	1/4W	SOLID.	⑰
R105	470 kΩ	± 10 %	1/4W	SOLID.	⑱
R106	100 Ω	± 10 %	1/4W	SOLID.	⑲
R107	120 Ω	± 10 %	1/4W	SOLID.	⑳
R108	470 kΩ	± 10 %	1/4W	SOLID.	⑱
R109	220 kΩ	± 10 %	1/4W	SOLID.	⑰
R111	100 kΩ	± 10 %	1/4W	SOLID.	㉑
R112	15 kΩ	± 10 %	1/4W	SOLID.	㉒
R113	270 Ω	± 10 %	1/4W	SOLID.	㉓
R114	120 Ω	± 10 %	1/4W	SOLID.	㉔
R115	3.9 kΩ	± 10 %	1/4W	SOLID.	㉕
R116	120 Ω	± 10 %	1/4W	SOLID.	㉖
R117	6.8 kΩ	± 5 %	1/4W	SOLID.	㉗
R118	2.2 kΩ	± 5 %	1/4W	SOLID.	㉘
R119	1.5 kΩ	± 10 %	1/4W	SOLID.	㉙
FET101	40468	MOS FET		(037001)	㉚
FET102	40468	MOS FET		(037001)	㉚

X	Y		Z
FET103	40604	MOS FET	(037002) ㉛
TR101	SE 3001		(030541) ㉜
L101	FM ANT COIL		㉝
L102	FM INTERSTAGE COIL		㉞
L103	FM INTERSTAGE COIL		㉟
L104	FM OSC COIL		㉟
L105	FM IF TRANSF		㉟
L106	RF CHOKE COIL		㉟
TC101	2~6pF	TRIM	(123004) ㉟
TC102	2~6pF	TRIM	(123004) ㉟
TC103	0.5~3pF	TRIM	(123002) ㉟
TC104	2~6pF	TRIM	(123004) ㉟
TC105	2~5pF	TRIM	(123003) ㉟
VC101~104	4 SEC	GANG	㉟

X: Parts No.

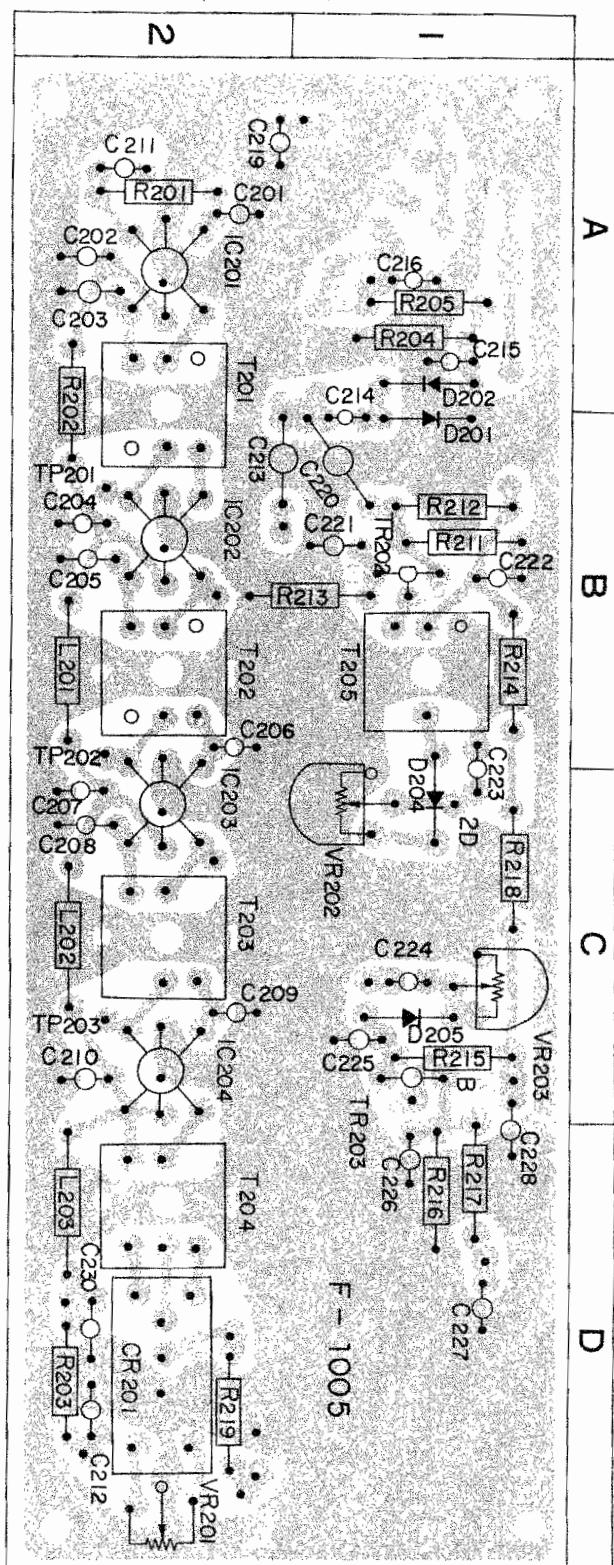
Y: Parts Name

Z: Co-ordinates in Printed Circuit Sheets



PRINTED CIRCUIT SHEETS AND PARTS LIST

F-1005 <FM IF>

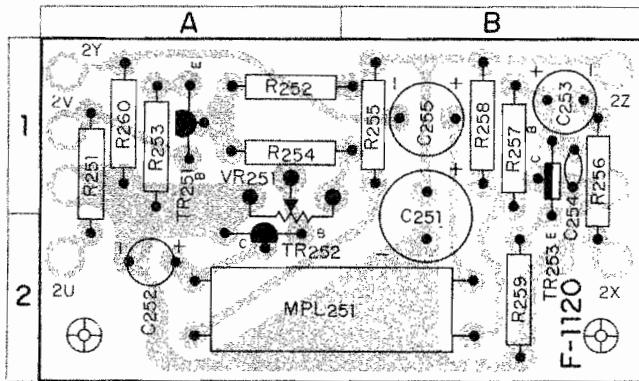


X	Y	Z
R201	1.2 kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	2A
R202	22Ω $\frac{1}{4}$ W ±10% PREC. Fixed	2A, B
R203	56Ω $\frac{1}{4}$ W ±10% PREC. Fixed	2D
R204	100 kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	1A
R205	47 kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	1A
R211	10 kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	1B
R212	22 kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	1B
R213	1 kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	1, 2B
R214	22 kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	1B
R215	220 kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	1C
R216	2.2 kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	1D
R217	1 kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	1D
R218	22Ω $\frac{1}{4}$ W ±10% PREC. Fixed	1C
R219	22 kΩ $\frac{1}{4}$ W ±10% PREC. Fixed	2D
CR201	(080016)	2D
C201	0.02μF 50 VDCW. CER.	2A
C202	0.02μF 50 VDCW. CER.	2A
C203	0.02μF 50 VDCW. CER.	2A
C204	0.02μF 50 VDCW. CER.	3B
C205	0.02μF 50 VDCW. CER.	3B
C206	0.02μF 50 VDCW. CER.	3B
C207	0.02μF 50 VDCW. CER.	3C
C208	0.02μF 50 VDCW. CER.	2C
C209	0.02μF 50 VDCW. CER.	2C
C210	0.02μF 50 VDCW. CER.	2C
C211	0.02μF 50 VDCW. CER.	2A
C212	0.05μF 50 VDCW. CER.	2D
C213	7 pF 50 VDCW. CER.	1, 2B
C214	100 pF 50 VDCW. CER.	1A, B
C215	100 pF 50 VDCW. CER.	1A
C216	0.02μF 50 VDCW. CER.	1A
C221	0.02μF 50 VDCW. CER.	1B
C222	0.02μF 50 VDCW. CER.	1B
C223	1000 pF 50 VDCW. CER.	1B, C
C224	2 pF 50 VDCW. CER.	1C
C225	0.02μF 50 VDCW. CER.	1C
C226	0.02μF 50 VDCW. CER.	1D
C227	0.02μF 50 VDCW. CER.	1D
C228	0.05μF 50 VDCW. CER.	1C, D
C229	0.05μF 50 VDCW. CER.	2D
VR201	2SC380(O) or (2SC829) Si N-P-N	1B
VR202	2SC536(G) or (2SC828T) Si N-P-N	1C
IC201	PA-7703 (036001)	2A
IC202	PA-7703 (036001)	2B
IC203	PA-7703 (036001)	2C
IC204	PA-7703 (036001)	2C
T201	FM IF 10.7MHz (423519)	2A, B
T202	FM IF 10.7MHz (423519)	2B
T203	FM IF 10.7MHz (423520)	2C
T204	FM IF 10.7MHz (423518)	2D
T205	10.7MHz Tuning trap (423521)	1B

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F-1120 < MUTING >

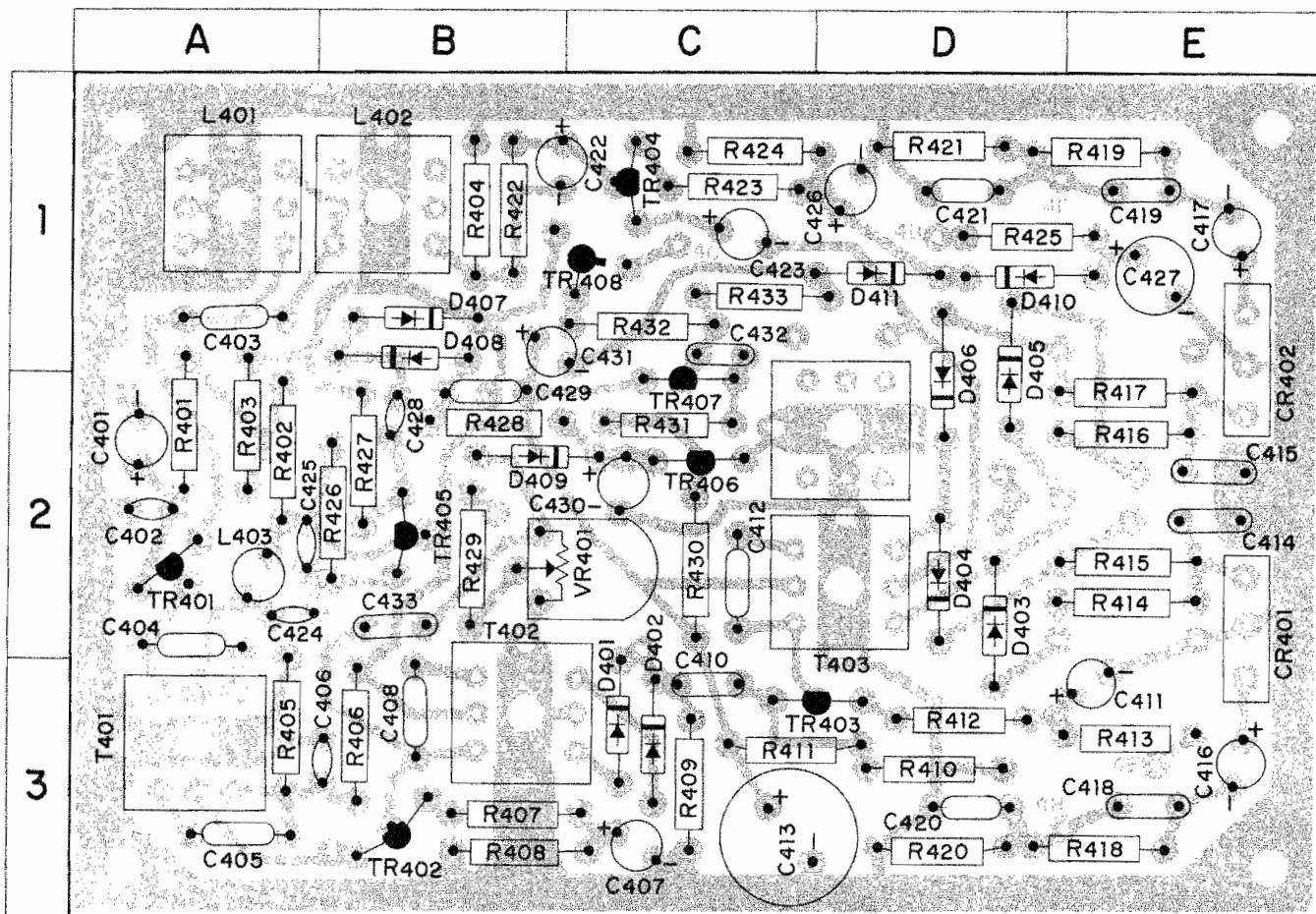
X	Y	Z
D201	IN60 (031033)	1 B
D202	IN60 (031033)	1 A
D204	IN60 (031033)	1 C
D205	IN60 (031033)	1 C
VR201	10kΩ(B) (103019)	2 D
VR202	50kΩ(B) (103020)	1 C
VR203	250kΩ(B) (103036)	1 C
L201	3.5μH (429001)	2 B
L202	3.5μH (429001)	2 C
L203	3.5μH (429001)	2 D



X	Y	Z
R251	2.2kΩ 1/4W ±10% Carbon Fixed	1 A
R252	4.7kΩ 1/4W ±10% Carbon Fixed	1 A
R253	680Ω 1/4W ±10% Carbon Fixed	1 A
R254	5.6kΩ 1/4W ±10% Carbon Fixed	1 A
R255	270Ω 1/4W ±10% Carbon Fixed	1 B
R256	1kΩ 1/4W ±10% Carbon Fixed	1 B
R257	220kΩ 1/4W ±10% Carbon Fixed	1 B
R258	4.7kΩ 1/4W ±10% Carbon Fixed	1 B
R259	1kΩ 1/4W ±10% Carbon Fixed	2 B
R260	4.7Ω 1/4W ±10% Carbon Fixed	1 A
C251	47μF 16 VDCW. ELECT.	2 B
C252	1μF 50 VDCW. ELECT.	1 A
C253	3.3μF 25 VDCW. ELECT.	1 B
C254	100μF ±20% 50 VDCW. CER.	1 B
C255	10μF 25 VDCW. ELECT.	1 B
MPL251	Cds	2 B
TR251	2SC828T TR (030527)	1 A
TR252	2SC828T TR (030527)	2 A
TR253	2SC458LB TR (030511-1)	2 B
VR251	5kΩ(B) Semi-Variable (103037)	1 A

PRINTED CIRCUIT SHEETS AND PARTS LIST

F-1006A <MULTIPLEX>



X: Parts No.

Y: Parts Name

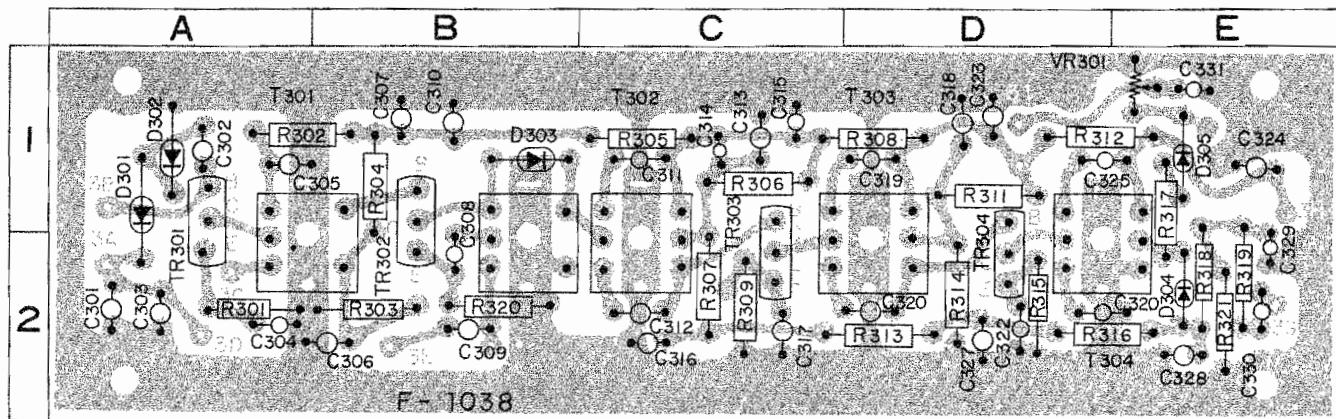
Z: Co-ordinates in Printed Circuit Sheets

X	Y	Z
R401	47 kΩ 1/4W ±10% PREC. Fixed	2 A
R402	120 kΩ 1/4W ±10% PREC. Fixed	2 A
R403	100 kΩ 1/4W ±10% PREC. Fixed	2 A
R404	2.2 kΩ 1/4W ±10% PREC. Fixed	1 B
R405	27 kΩ 1/4W ±10% PREC. Fixed	3 A
R406	330 kΩ 1/4W ±10% PREC. Fixed	3 B
R407	330 Ω 1/4W ±10% PREC. Fixed	3 B
R408	1.2 kΩ 1/4W ±10% PREC. Fixed	3 B
R409	10 kΩ 1/4W ±10% PREC. Fixed	3 C
R410	27 kΩ 1/4W ±10% PREC. Fixed	3 D
R411	270 kΩ 1/4W ±10% PREC. Fixed	3 C, D
R412	680 Ω 1/4W ±10% PREC. Fixed	3 D
R413	1.2 kΩ 1/4W ±10% PREC. Fixed	3 E
R414	22 kΩ 1/4W ±10% PREC. Fixed	2 E
R415	22 kΩ 1/4W ±10% PREC. Fixed	2 E
R416	22 kΩ 1/4W ±10% PREC. Fixed	2 E
R417	22 kΩ 1/4W ±10% PREC. Fixed	2 E
R418	100 kΩ 1/4W ±10% PREC. Fixed	3 E
R419	100 kΩ 1/4W ±10% PREC. Fixed	1 E
R420	47 kΩ 1/4W ±10% PREC. Fixed	3 D
R421	47 kΩ 1/4W ±10% PREC. Fixed	1 D
R422	39 kΩ 1/4W ±10% PREC. Fixed	1 B
R423	22 kΩ 1/4W ±10% PREC. Fixed	1 C
R424	100 kΩ 1/4W ±10% PREC. Fixed	1 C
R425	15 kΩ 1/4W ±10% PREC. Fixed	1 D
R426	820 kΩ 1/4W ±10% PREC. Fixed	2 B
R427	10 kΩ 1/4W ±10% PREC. Fixed	2 B
R428	220 kΩ 1/4W ±10% PREC. Fixed	2 B
R429	180 kΩ 1/4W ±10% PREC. Fixed	2 B
R430	10 kΩ 1/4W ±10% PREC. Fixed	2 C
R431	22 kΩ 1/4W ±10% PREC. Fixed	2 C
R432	5.6 kΩ 1/2W ±10% PREC. Fixed	1 C
R433	10 kΩ 1/4W ±10% PREC. Fixed	1 C
R434	150 kΩ 1/4W ±10% PREC. Fixed	2 C, D
VR401	200 kΩ(B) (103035)	2 B, C
C401	10 μF 25 VDCW. ELECT.	2 A
C402	42 pF 50 VDCW. CER.	2 A
C403	2800 pF 50 VDCW. Mc.	1 A
C404	6800 pF 50 VDCW. Mc.	2 A
C405	6800 pF 50 VDCW. Mc.	3 A
C406	0.05 μF 50 VDCW. My.	3 A, B
C407	1 μF 50 VDCW. ELECT.	3 C
C408	6800 pF 25 VDCW. Mc.	3 B
C409	0.05 μF 50 VDCW. My.	3 C
C410	1 μF 50 VDCW. ELECT.	3 E
C411	1700 pF 50 VDCW. Mc.	2 C
C412	220 μF 25 VDCW. ELECT.	3 C
C413	220 pF 50 VDCW. Mc.	2 E
C414	220 pF 25 VDCW. Mc.	2 E
C415	0.047 μF 50 VDCW. ELECT.	3 E
C416	0.047 μF 50 VDCW. ELECT.	1 E
C417	390 pF 50 VDCW. Mc.	3 E
C418	390 pF 50 VDCW. Mc.	1 E
C419	1800 pF 50 VDCW. Mc.	3 D
C420	1800 pF 50 VDCW. Mc.	1 D

X	Y	Z
C422	10 μF 25 VDCW. ELECT.	1 B, C
C423	10 μF 25 VDCW. ELECT.	1-C
C424	0.005 μF 50 VDCW. My.	2 A
C425	100 pF 50 VDCW. CER.	2 A
C426	3.3 μF 25 VDCW. ELECT.	1 D
C427	33 μF 25 VDCW. ELECT.	1 E
C428	0.05 μF 50 VDCW. My.	2 B
C429	0.005 μF 50 VDCW. My.	2 B
C430	1 μF 50 VDCW. ELECT.	2 C
C431	3.3 μF 25 VDCW. ELECT.	1 B
C432	0.03 μF 50 VDCW. My.	1 C
C433	0.002 μF 50 VDCW. My.	2 B
TR401	2SC536V ₁ E ₂ (030524-5)	2 A
TR402	2SC536V ₁ E ₂ (030524-5)	3 B
TR403	2SC536V ₁ E ₂ (030524-5)	3 C, D
TR404	2SC536V ₁ G ₂ (030524-9)	1 C
TR405	2SC536V ₁ F ₂ (030524-7)	2 B
TR406	2SC373 (030504)	2 C
TR407	2SA564A (036008)	1, 2 C
TR408	2SC708 (030548~1,-2)	1 B, C
D401	IN34A (031040)	3 C
D402	IN34A (031040)	3 C
D403	IN34A (YL) (031040-1)	2 D
D404	IN34A (YL) (031040-1)	2 D
D405	IN34A (YL) (031040-1)	1, 2 D
D406	IN34A (YL) (031040-1)	1, 2 D
D407	IN34A (031040)	1 B
D408	IN34A (031040)	1 B
D409	IN34A (031040)	2 B
D410	IN34A (031040)	1 D
D411	IN34A (031040)	1 D
T401	19 kHz Tuning Trap (424021)	3 A
T402	19 kHz Tuning Trap (424022)	3 B
T403	38 kHz Tuning Trap (424022)	2 C, D
L401	67 kHz Filter (424038)	1 A
L402	71 kHz Filter (424025)	1 B
L403	19 kHz Filter (490003)	2 A
CR401	38 kHz Filter (080008)	1 E
CR402	38 kHz Filter (080008)	2 E

PRINTED CIRCUIT SHEETS AND PARTS LIST

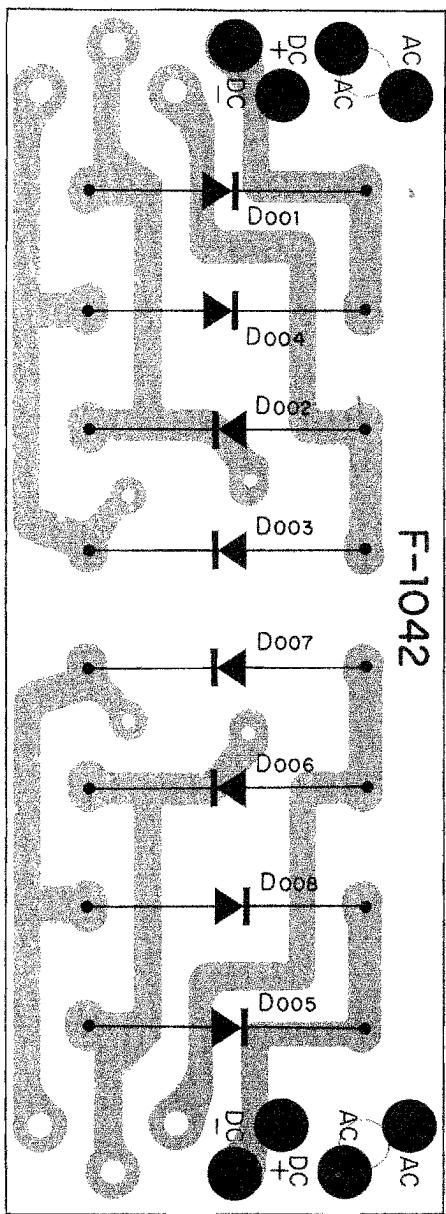
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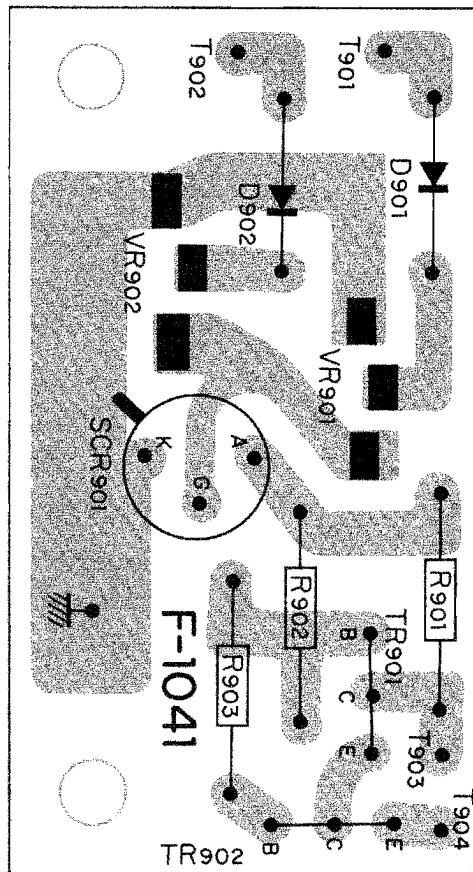
X	Y	Z		X	Y	Z	
R301	1kΩ 1/4W ±10% PREC. Fixed	2 A		C313	5μF	15 VDCW. ELECT.	1 C
R302	100Ω 1/4W ±10% PREC. Fixed	1 A, B		C314	0.02μF	50 VDCW. CER.	1 C
R303	3.9kΩ 1/4W ±10% PREC. Fixed	2 B		C315	0.02μF	50 VDCW. CER.	1 C
R304	33kΩ 1/4W ±10% PREC. Fixed	1 B		C316	0.04μF	50 VDCW. CER.	2 C
R305	100Ω 1/4W ±10% PREC. Fixed	1 C		C317	50μF	6 VDCW. ELECT.	2 C
R306	68kΩ 1/4W ±10% PREC. Fixed	1 C		C318	0.02μF	50 VDCW. CER.	1 D
R307	22Ω 1/4W ±10% PREC. Fixed	2 C		C319	500 pF	50 VDCW. Mc.	1 D
R308	22Ω 1/4W ±10% PREC. Fixed	1 D		C320	500 pF	50 VDCW. Mc.	2 D
R309	1kΩ 1/4W ±10% PREC. Fixed	2 C		C322	0.04μF	50 VDCW. CER.	2 D
R311	10kΩ 1/4W ±10% PREC. Fixed	1 D		C323	0.02μF	50 VDCW. CER.	1 D
R312	22Ω 1/4W ±10% PREC. Fixed	1 D, E		C324	200μF	15 VDCW. ELECT.	1 E
R313	100Ω 1/4W ±10% PREC. Fixed	2 D		C325	500 pF	50 VDCW. Mc.	1 D, E
R314	6.8kΩ 1/4W ±10% PREC. Fixed	2 D		C326	500 pF	50 VDCW. Mc.	2 D, E
R315	470Ω 1/4W ±10% PREC. Fixed	2 D		C327	0.02μF	50 VDCW. CER.	2 D
R316	8.2kΩ 1/4W ±10% PREC. Fixed	2 D, E		C328	0.02μF	50 VDCW. My.	2 E
R317	1kΩ 1/4W ±10% PREC. Fixed	1, 2 E		C329	0.01μF	50 VDCW. My.	2 E
R318	1kΩ 1/4W ±10% PREC. Fixed	2 E		C330	0.04μF	50 VDCW. CER.	2 E
R319	120kΩ 1/4W ±10% PREC. Fixed	2 E		C331	10μF	6 VDCW. ELECT.	1 E
R320	1kΩ 1/4W ±10% PREC. Fixed	2 B		D301	IN60		1 A
R321	47kΩ 1/4W ±10% PREC. Fixed	2 E		D302	IN60		1 A
VR301	20kΩ (103019)	1 E		D303	IN60		1 B
C301	0.04μF	50 VDCW. CER.	2 A	D304	IN60		2 E
C302	0.04μF	50 VDCW. CER.	1 A	D306	IN60		1 E
C303	100μF	6 VDCW. ELECT.	2 A	TR301	2SC460 or 2SC461(C)	Si N-P-N	1, 2 A
C304	0.02μF	50 VDCW. CER.	2 A	TR302	2SC460	Si N-P-N	1, 2 B
C305	0.04μF	50 VDCW. CER.	1 A	TR303	2SC460	Si N-P-N	1, 2 C
C306	0.04μF	50 VDCW. CER.	2 B	TR304	2SC460 or 2SC461(C)	Si N-P-N	1, 2 D
C307	100μF	15 VDCW. ELECT.	1 B	T301	AMRF (421005)		1, 2 A B
C308	0.01μF	50 VDCW. My.	1 B	T302	AMOSC (422007)		1, 2 B
C309	430 pF	50 VDCW. Mc.	2 B	T303	AM IFT 455 kHz (423019)		1, 2 C
C310	0.02μF	50 VDCW. CER.	1 B	T304	AM IFT 455 kHz (423019)		1, 2 C D
C311	500 pF	50 VDCW. Mc.	1 C	T305	AM IFT 455 kHz (423018)		1, 2 D E
C312	500 pF	50 VDCW. Mc.	2 C				

X: Parts No.
 Y: Parts Name
 Z: Co-ordinates in Printed Circuit Sheets

F-1042 <DIODES STACK>



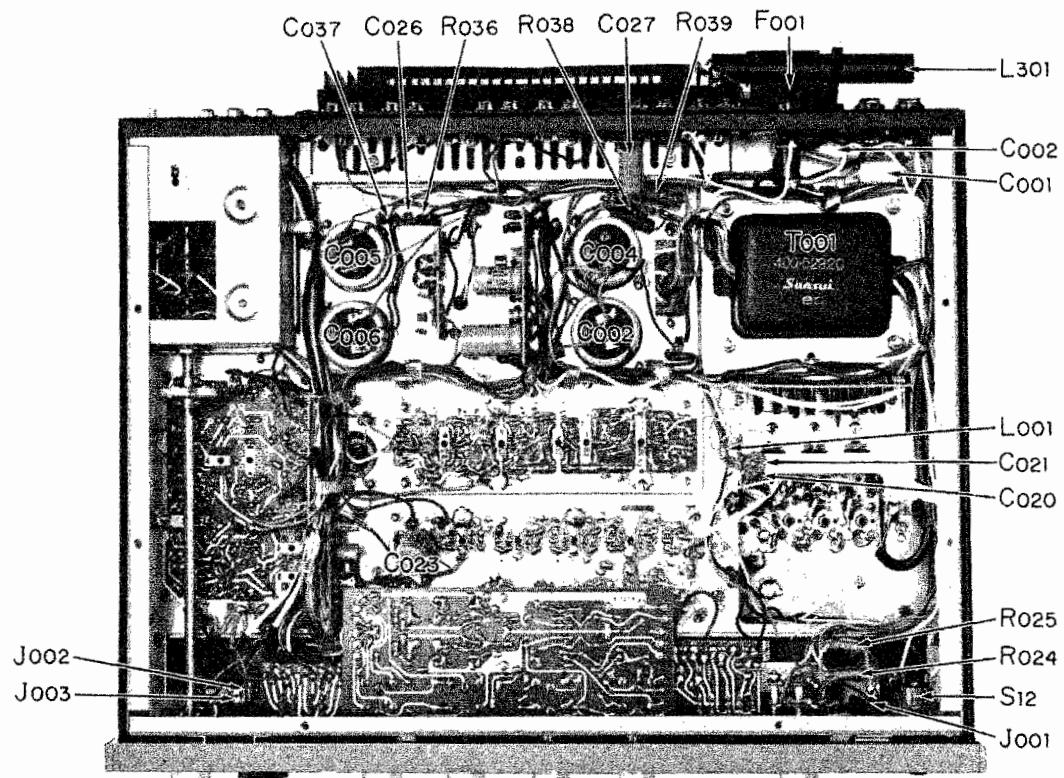
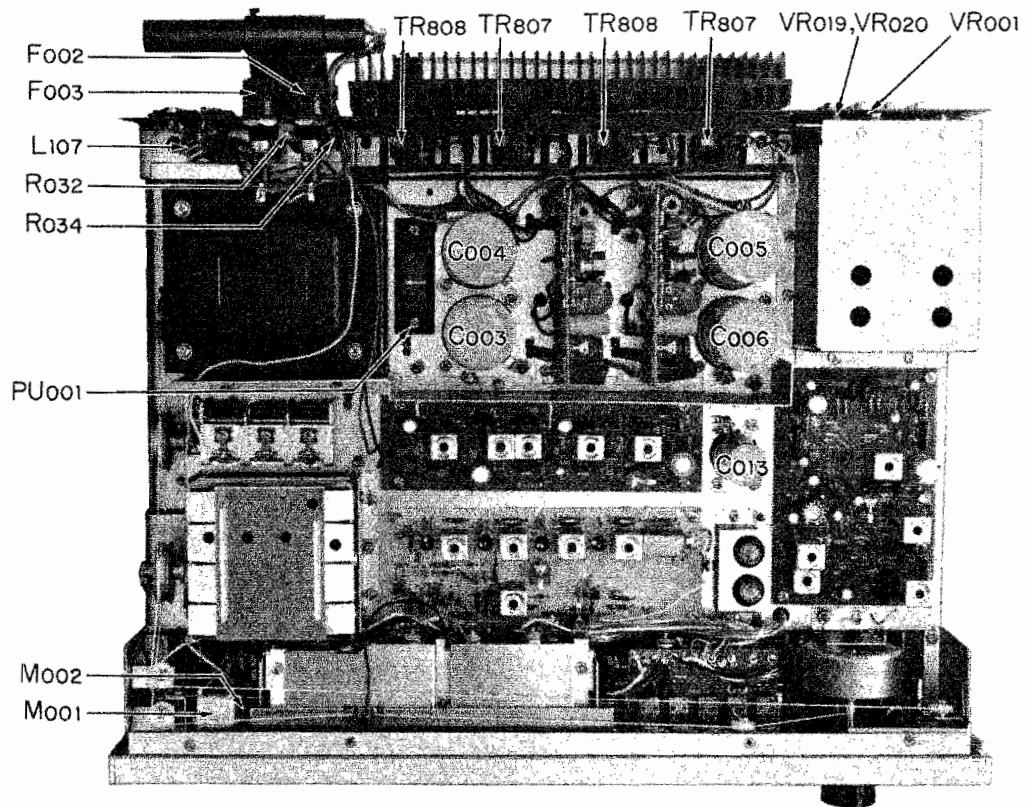
F-1041 <PROTECTOR>



X	Y	Z
D001	SW-1-02 (031055)	
D002	SW-1-02 (031055)	
D003	SW-1-02 (031055)	
D004	SW-1-02 (031055)	
D005	SW-1-02 (031055)	
D006	SW-1-02 (031055)	
D007	SW-1-02 (031055)	
D008	SW-1-02 (031055)	

X	Y	Z
R901	2.2Ω 1/4W ±10% COMP. Fixed	
R902	10Ω 1/4W ±10% COMP. Fixed	
R903	10Ω 1/4W ±10% COMP. Fixed	
VR901	2kΩ (B) Semi-Variable	
VR902	2kΩ (B) Semi-Variable	
D901	IN60 (031033)	
D902	IN60 (031033)	
SCR901	2SF521 (035003)	
TR901	2SC458 L (B) (030542)	
TR902	2SC458 L (B) (030542)	

OTHER PARTS CHART AND PARTS LIST



X: Parts No.
Y: Parts Name

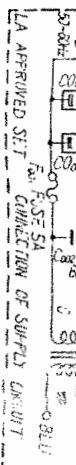
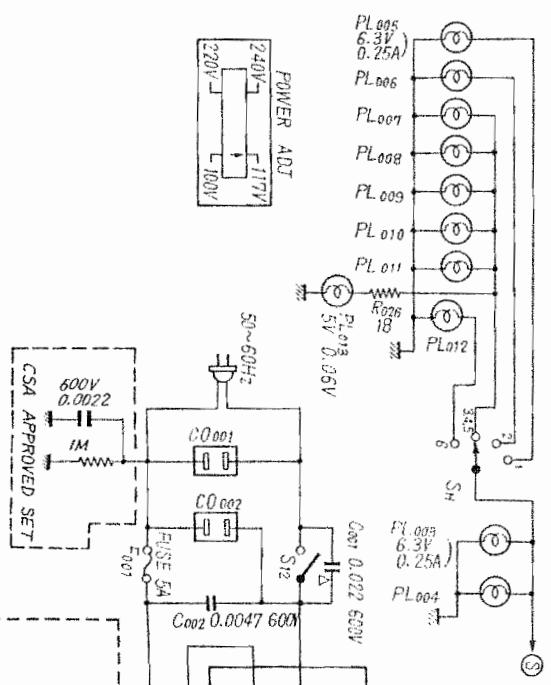
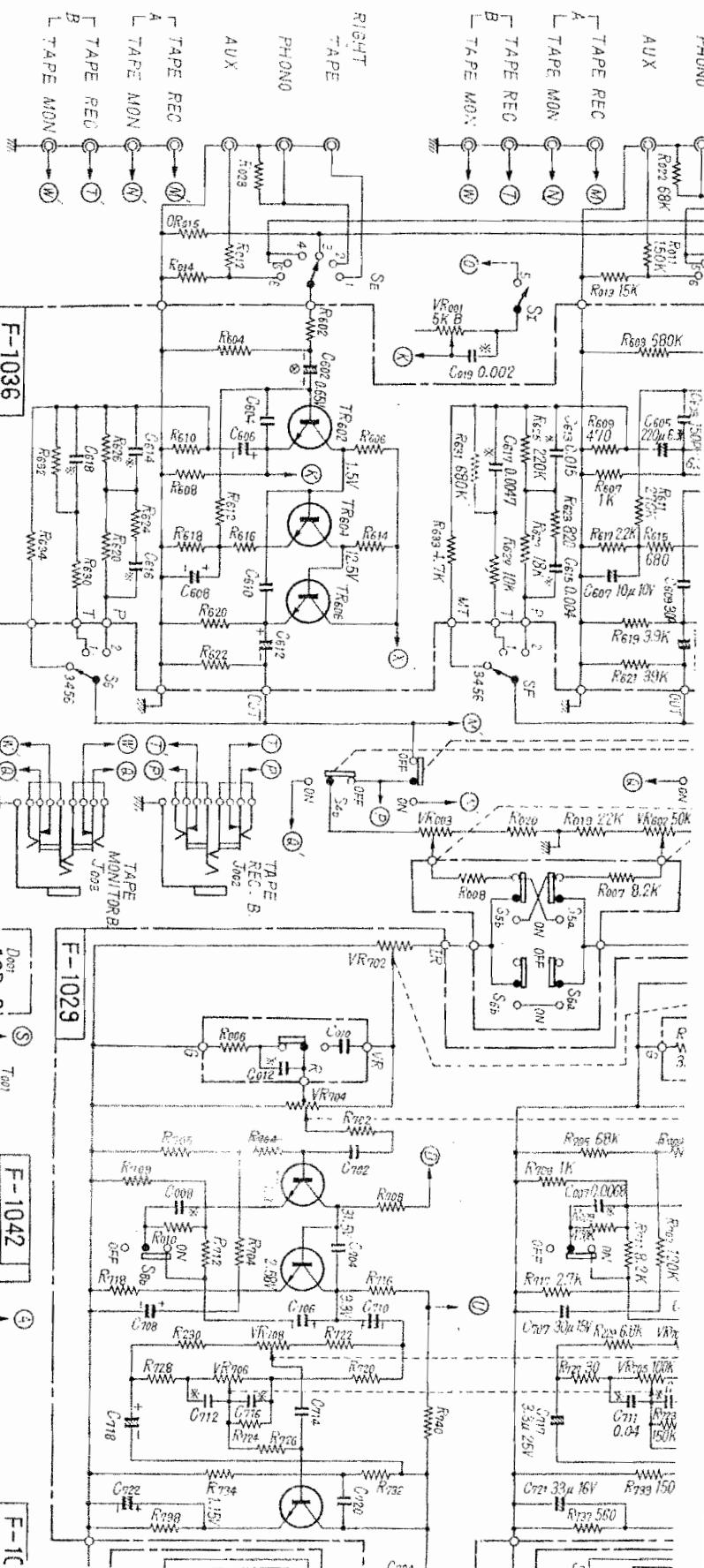
X	Y			
R005	33kΩ	1/4W	±10%	PREC. Fixed
R006	33kΩ	1/4W	±10%	PREC. Fixed
R007	8.2kΩ	1/4W	±10%	PREC. Fixed
R008	8.2kΩ	1/4W	±10%	PREC. Fixed
R009	470kΩ	1/4W	±10%	PREC. Fixed
R010	470kΩ	1/4W	±10%	PREC. Fixed
R011	150kΩ	1/4W	±10%	PREC. Fixed
R012	150kΩ	1/4W	±10%	PREC. Fixed
R013	12kΩ	1/4W	±10%	PREC. Fixed
R014	12kΩ	1/4W	±10%	PREC. Fixed
R015	22kΩ	1/4W	±10%	PREC. Fixed
R017	22kΩ	1/4W	±10%	PREC. Fixed
R018	22kΩ	1/4W	±10%	PREC. Fixed
R019	22kΩ	1/4W	±10%	PREC. Fixed
R020	22kΩ	1/4W	±10%	PREC. Fixed
R022	68kΩ	1/4W	±10%	PREC. Fixed
R023	68kΩ	1/4W	±10%	PREC. Fixed
R024	680Ω	1W	±10%	Carbon Fixed
R025	680Ω	1W	±10%	Carbon Fixed
R026	18Ω	1/4W	±10%	PREC. Fixed
R027	100kΩ	1/4W	±10%	PREC. Fixed
R028	100kΩ	1/4W	±10%	PREC. Fixed
R029	470kΩ	1/4W	±10%	PREC. Fixed
R030	470kΩ	1/4W	±10%	PREC. Fixed
R031	680Ω	1/4W	±10%	PREC. Fixed
R032	56Ω	1/4W	±10%	PREC. Fixed
R033	0.3Ω	5W	±10%	VW
R034	0.3Ω	5W	±10%	VW
R035	1kΩ	1/4W	±10%	PREC. Fixed
R036	6.8kΩ	1/4W	±10%	PREC. Fixed
R037	6.8kΩ	1/4W	±10%	PREC. Fixed
R038	680Ω	3W	±10%	VW
R039	150Ω	1/2W	±10%	PREC. Fixed
R040	33kΩ	1/4W	±10%	PREC. Fixed
R041	33kΩ	1/4W	±10%	PREC. Fixed
R042	47Ω	1/4W	±10%	PREC. Fixed
C001	0.033μF	±20%	600 VDCW.	Oil
C002	0.0047μF	±20%	600 VDCW.	Oil
C003	2200μF	+100% -0%	80 VDCW.	ELECT.
C004	2200μF	+100% -0%	80 VDCW.	ELECT.
C005	2200μF	+100% -0%	80 VDCW.	ELECT.
C006	2200μF	+100% -0%	80 VDCW.	ELECT.
C007	0.0047μF	±10%	50 VDCW.	My.
C008	0.0047μF	±10%	50 VDCW.	My.
C009	150pF	±10%	50 VDCW.	Mc.
C010	150pF	±10%	50 VDCW.	Mc.
C011	0.02μF	±10%	50 VDCW.	My.
C012	0.02μF	±10%	50 VDCW.	My.
C013	1000μF	+100% -0%	35 VDCW.	ELECT. (020528)
C019	0.002μF	±10%	50 VDCW.	ELECT.
C020	220μF	+100% -0%	16 VDCW.	ELECT.
C021	0.04μF	+100% -0%	50 VDCW.	CER.
C022	470μF	+100% -0%	25 VDCW.	ELECT.
C023	470μF	+100% -0%	15 VDCW.	ELECT.

X	Y			
C024	1μF	+100% -0%	50 WV	ELECT.
C025	70pF	+100% -0%	50 WV	CER.
C026	70pF	+100% -0%	50 WV	CER.
C027	330μF	+100% -0%	16 WW	ELECT.
TR807,808	2SD118	Si N-P-N		
TR807,808	2SD118	Si N-P-N		
D004	IN60	Ge Diode		
D005	IN60	Ge Diode		
Z003	ZBI-14			
PL001	25V 90mA	Protector indicator		(040007)
PL002	8V 150mA	Stereo Indicator Lamp		(340005)
PL003	6.3V 250mA	Power Indicator Lamp		(040009)
PL004	6.3V 250mA	Power Indicator Lamp		(040009)
PL005	6.3V 250mA	Tape Indicator Lamp		(040009)
PL006	6.3V 250mA	Phono Indicator Lamp		(040009)
PL007	6.3V 250mA	Dial Indicator Lamp		(040009)
PL008	6.3V 250mA	Dial Indicator Lamp		(040009)
PL009	6.3V 250mA	Dial Indicator Lamp		(040009)
PL010	6.3V 250mA	Dial Indicator Lamp		(040009)
PL011	6.3V 250mA	Dial Indicator Lamp		(040009)
PL012	6.3V 250mA	Aux Indicator Lamp		(040009)
PL013	5V 60mA	Needle Indicator Lamp		(040010)
CO001	AC Outlet	(245002)		
CO002	AC Outlet	(245002)		
PU001	Line Voltage Controller	(241008, 241009)		
M001	100μA	Tune Meter		(090012)
M002	100μA	Signal Meter		(090011)
L301	AM Ferrite Bar Antenna	240μH	(420014)	
T001	Power Transformer	(400025)		
F001	5A	Power Fuse		(043006)
F002	5A	Quick Acting Fuse		(043014)
F003	5A	Quick Acting Fuse		(043014)
S(1~10)	Selector	(110504)		
S1a	Muting			
S2a	FM Stereo Only			
S3(a~b)	Tape Monitor A			
S4(a~b)	Tape Monitor B			(113007)
S5(a~b)	Reverse			
S6(a~b)	Mono			
S7(a~b)	Loudness			
S8(a~b)	HIGH Filter			
S9(a~b)	Low Filter			(113007)
S10	FM Attenuator			(111004)
S11	Damping Switch			(111009)
S2a~b	Speaker Selector Switch			(110208)
S12	Power Switch			(113009)
J001	Head Phone Jack			(243007)
J002	Tape Recording Jack B			(243006)
J003	Tape Monitor Jack B			(243006)
VR001	5kΩ(B)	Separation Adjust		(100501)
VR019	50kΩ(B)	Level Adjust		(101501)
VR020	50kΩ(B)	Level Adjust		

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Top 1

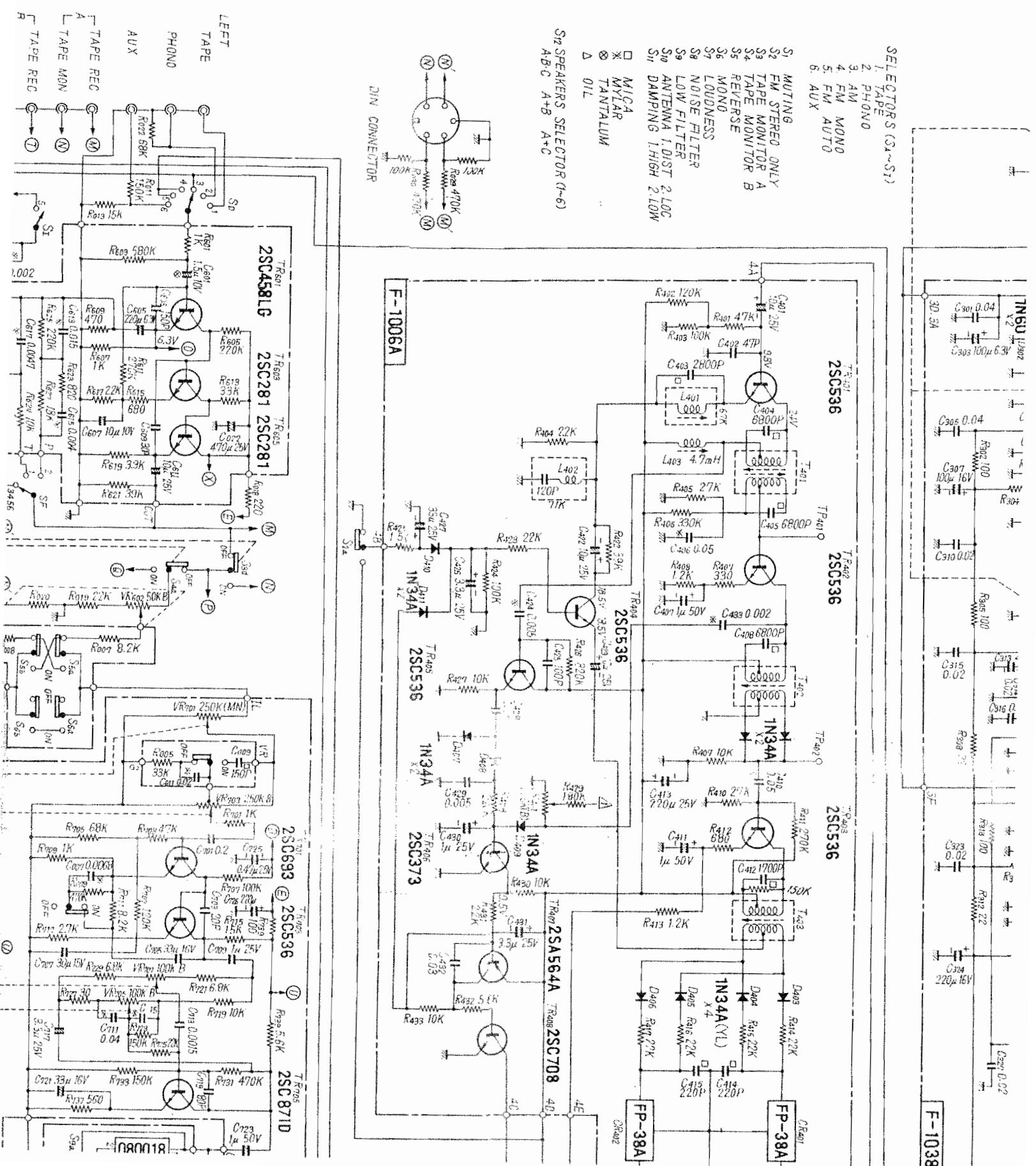
SANSUI 5000



ALL REGISTERS $\frac{1}{4}$ WATT UNLESS OTHERWISE NOTED

5000A SCHEMATIC DIAGRAM

TOP 2



GRAM

TOP 3

