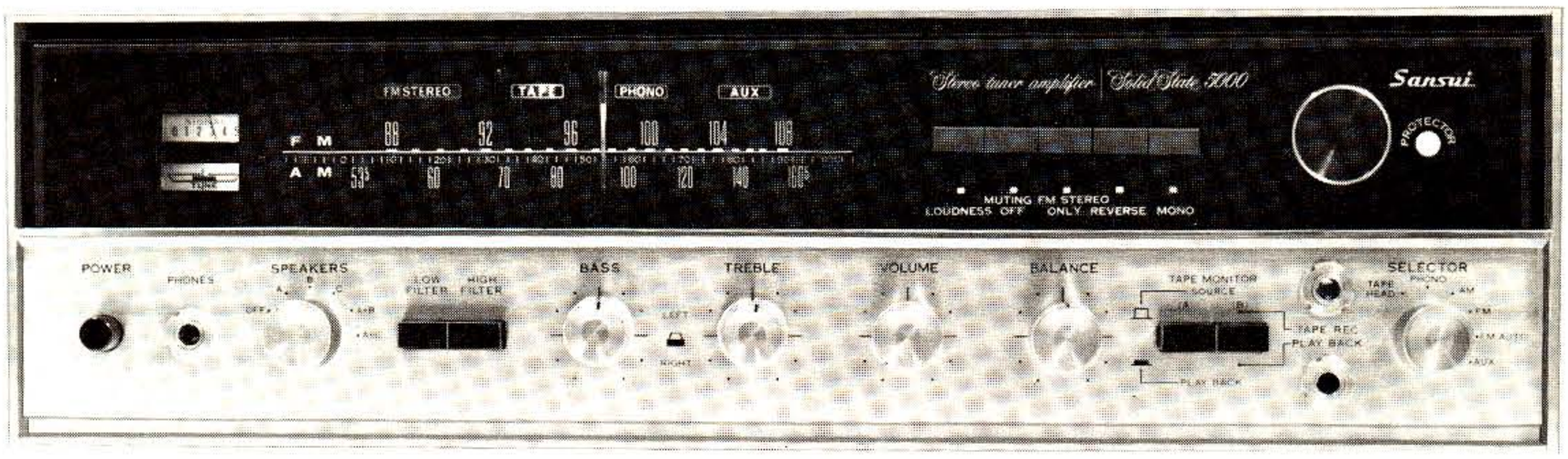
SERVICE MANUAL

AM/FM STEREO TUNER AMPLIFIER

SANSUI 5000



Sansui®

SANSUI ELECTRIC COMPANY LIMITED

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Stereo tuner amplifier Solid State 5000
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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, antenn 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.

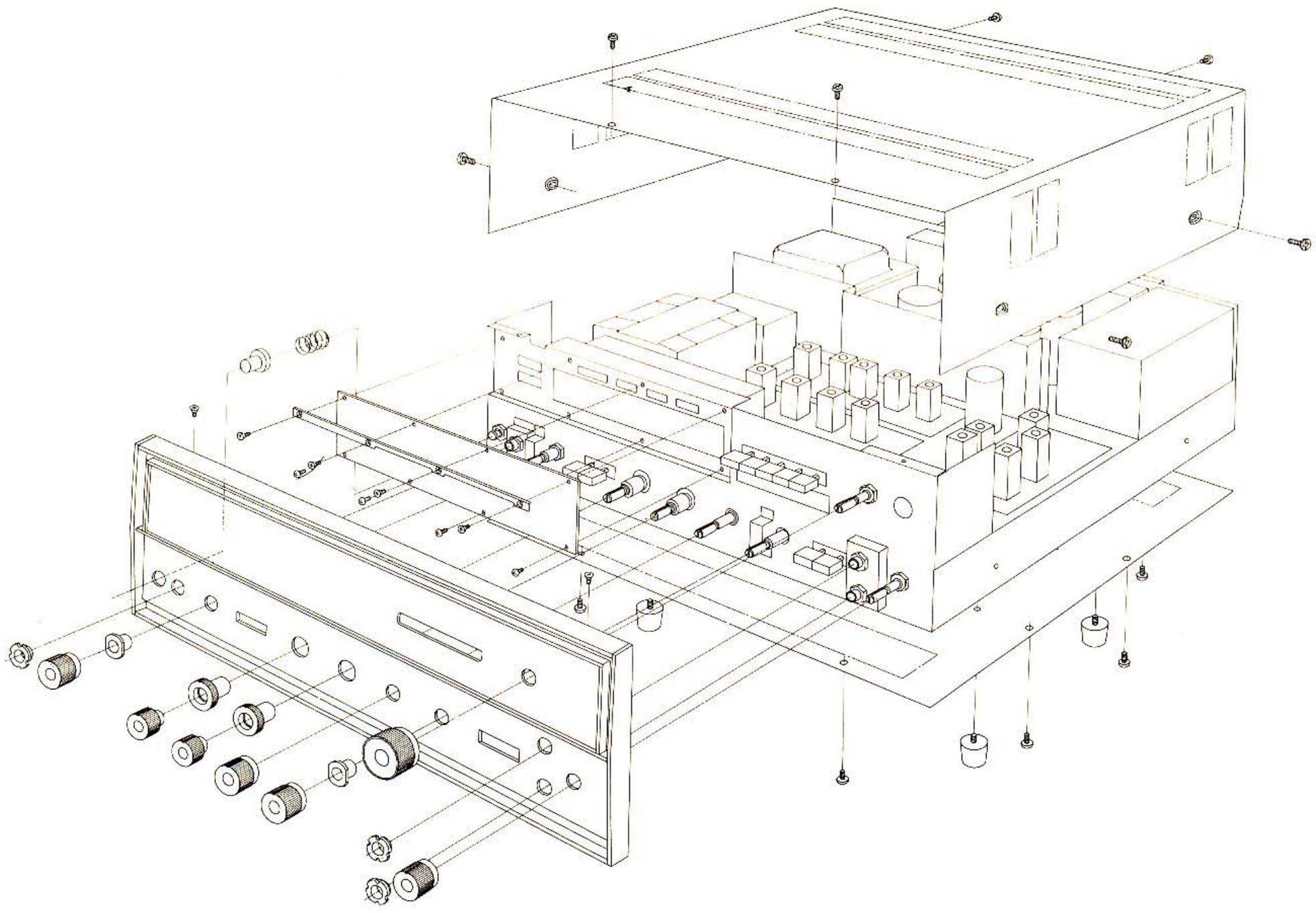
The following are some other common causes of malefunction and what to do about them.

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	* 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 ferroconcrete wall or long distance from the station * Wave interference from other electrical appliances	* 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	* Receiver is located in a weak signal area	* Place the set to Receive maximum signal strength
	C. The zero point of the meter diverges much	* Regional difference in field intensity	* 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	* Due to the nature of AM broadcasts	* 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	* Adjacent-channel interference or beat interference * TV set too close to audio system	* 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	* Poor noise limiter effect or too low S/N ratio due to insufficient antenna input	* 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
	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		

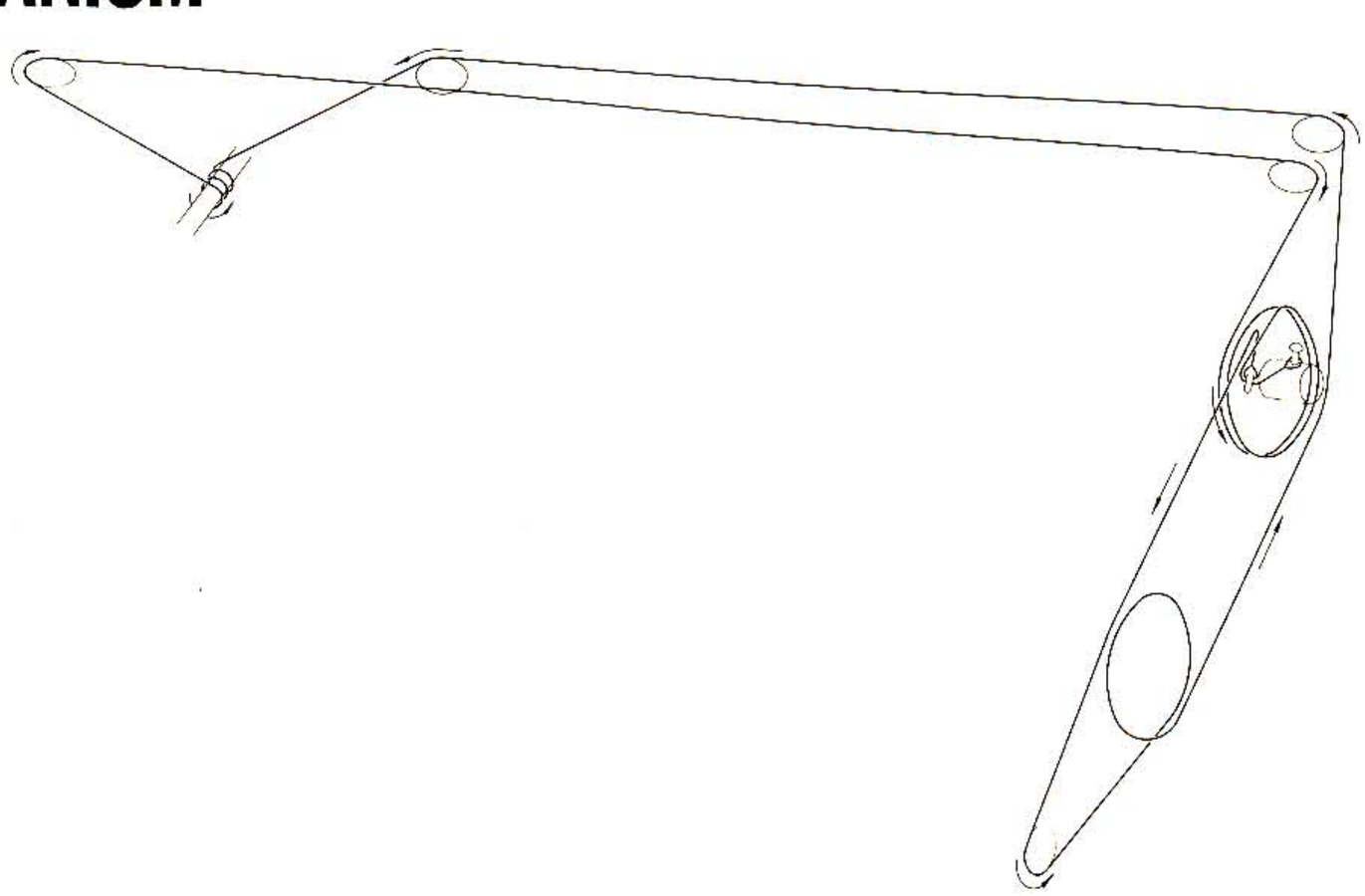
PROGRAM	SYMPTOM	PROBABLE CAUSE	WHAT TO DO
FM reception (cont'd)	B. Noise heard like "Scratch noise" heard	* Ignition noise caused by starting of an automobile engine	* Install the antenna and its lead-in wire in proper distance from the road or raise the antenna input as described above
	C. Tuning noise 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 becaus 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



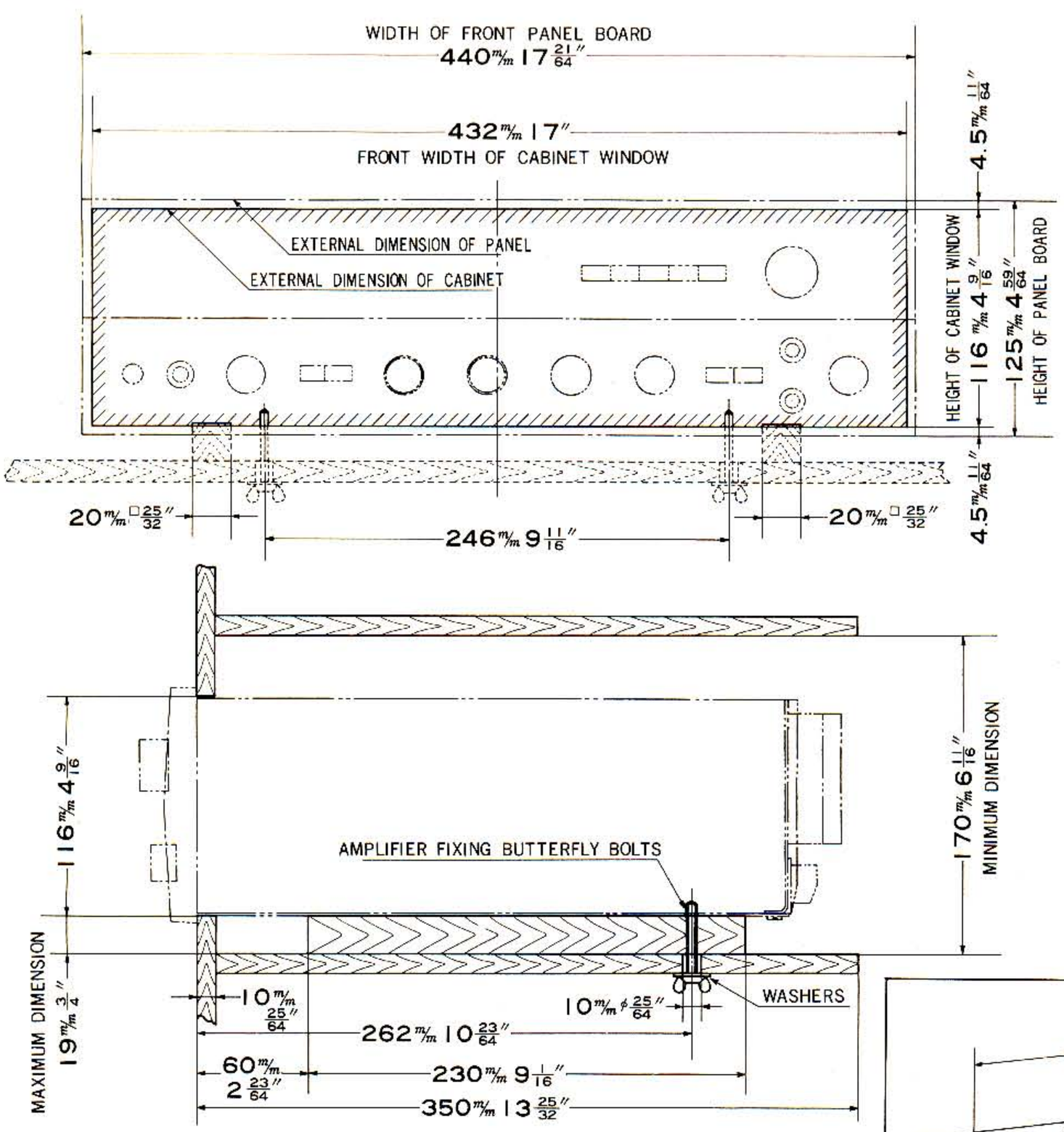
DIAL MECHANISM

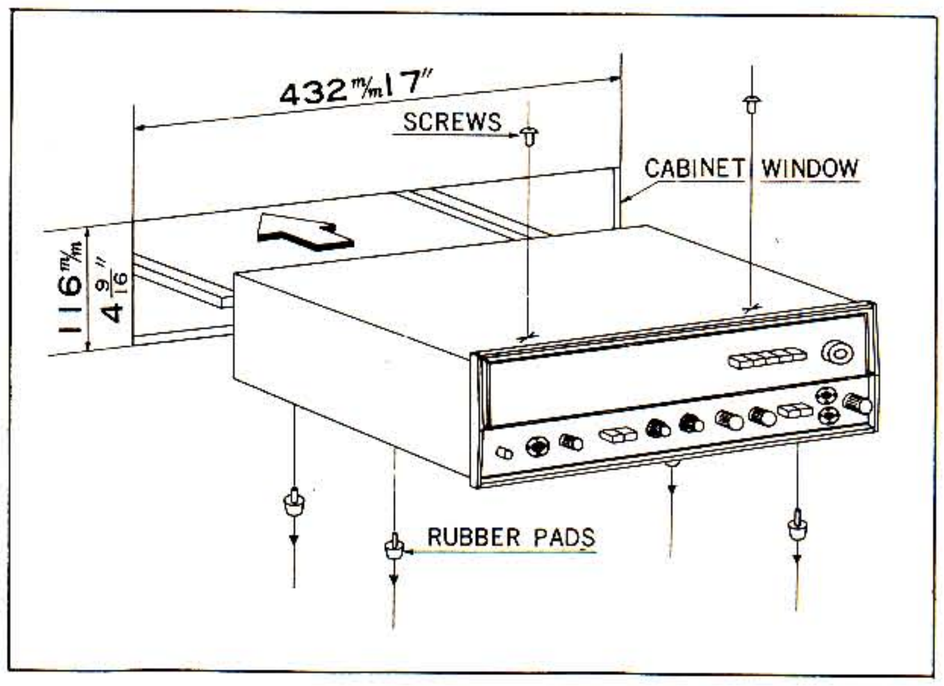


MOUNTING TEMPLATE

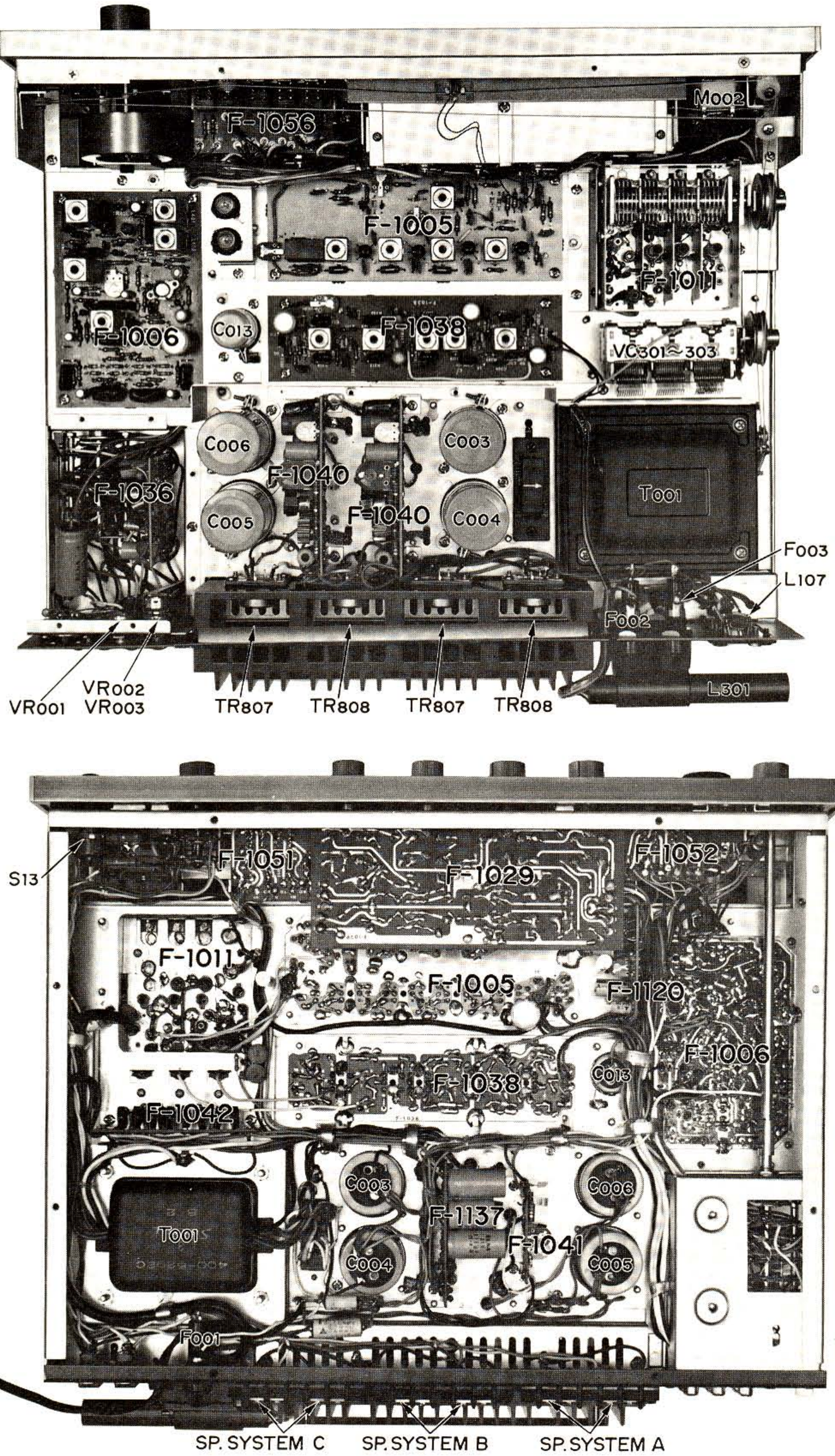
This diagram shows the size and dimensions required for mounting the 5000 into a custommade cabined. Note that ample space is provided for complete air circulation above and below the tuner.

1. Be sure the cabinet window measures 17″ × $4^{9}/_{16}$″ as indicated in the diagram.
2. Place two boards on the floor of the cabinet as illustrated. Boards should measure $^{25}/_{32}$″ × $^{25}/_{32}$″ × $9^{1}/_{16}$″.
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 5000. (Retain for future use.)
5. Insert the 5000 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.

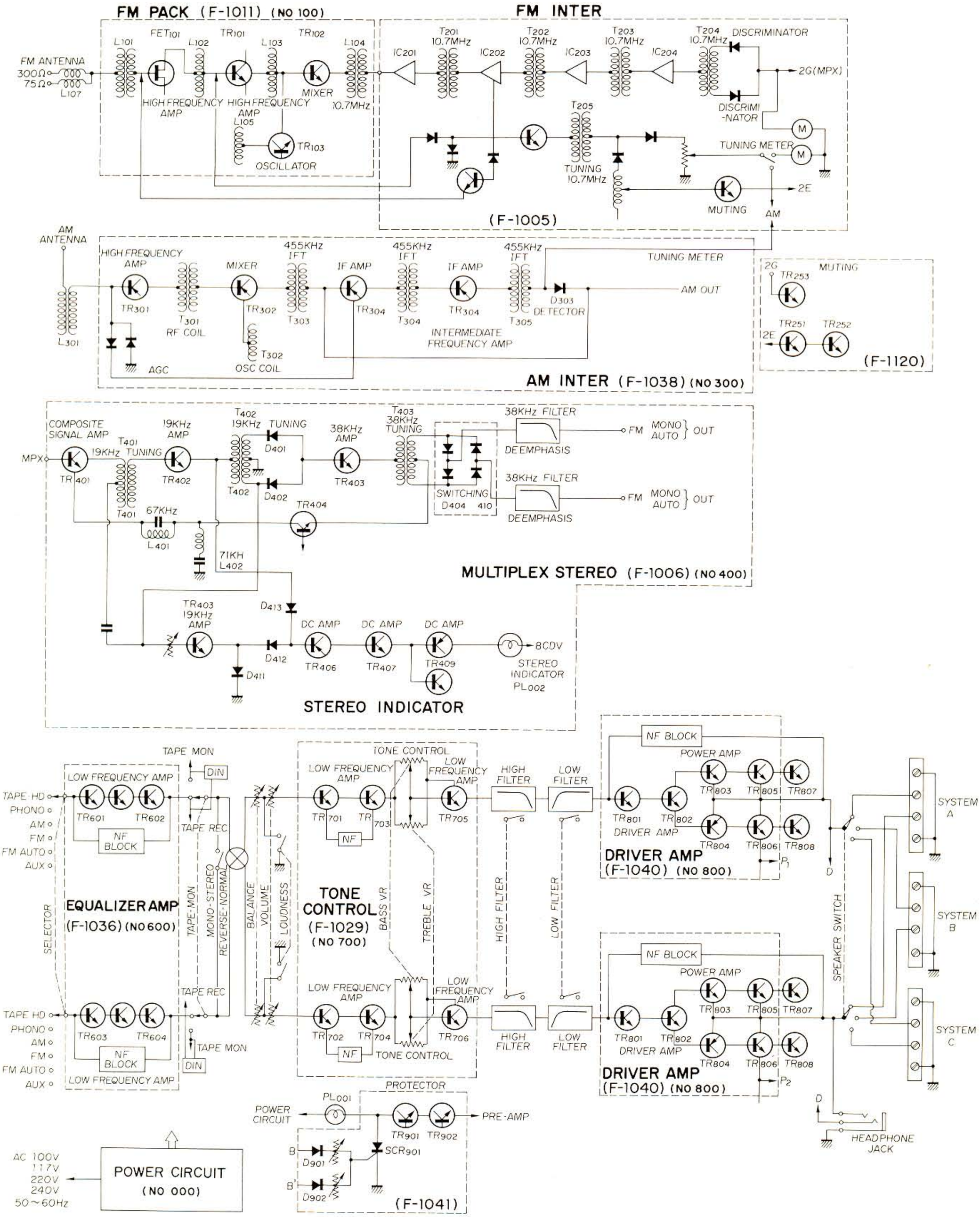




PARTS LAYOUT

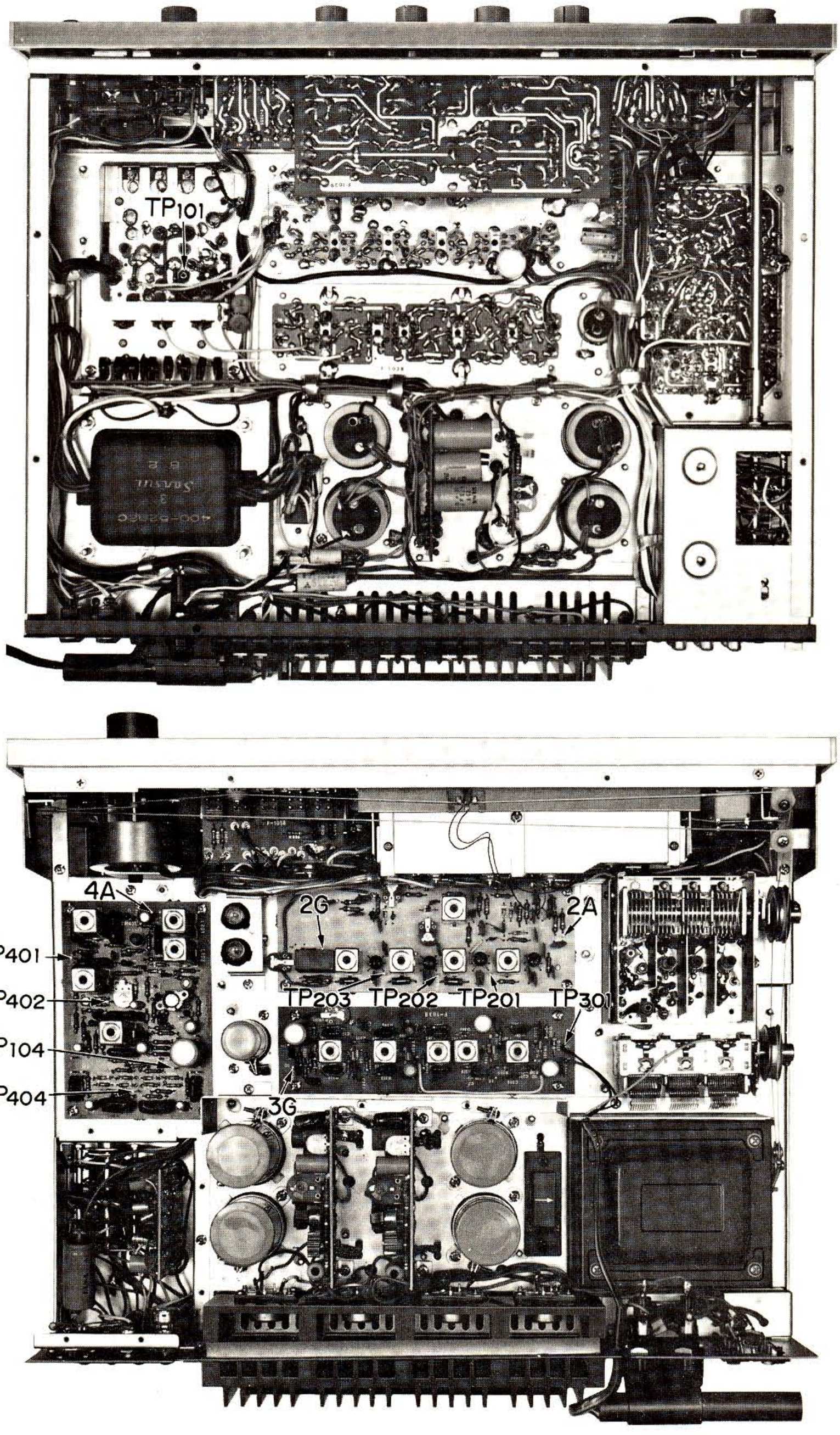


BLOCK DIAGRAM



ALIGNMENT

TEST POINTS

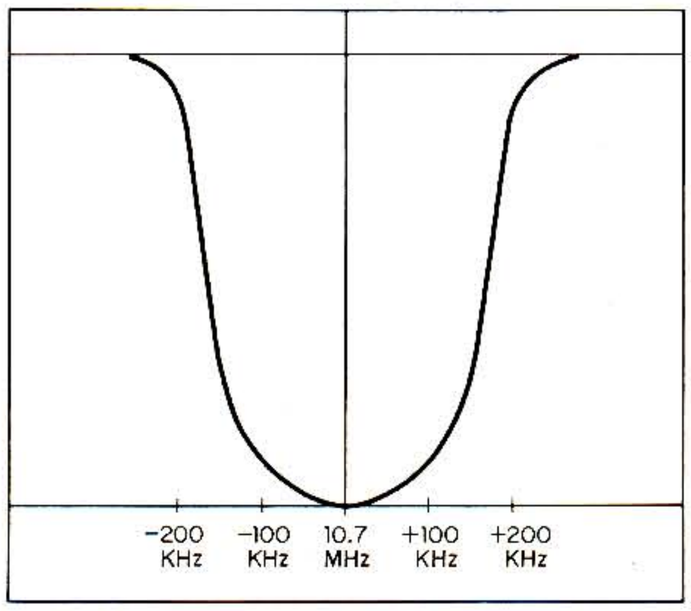


FM ALIGNMENT PROCEDURE

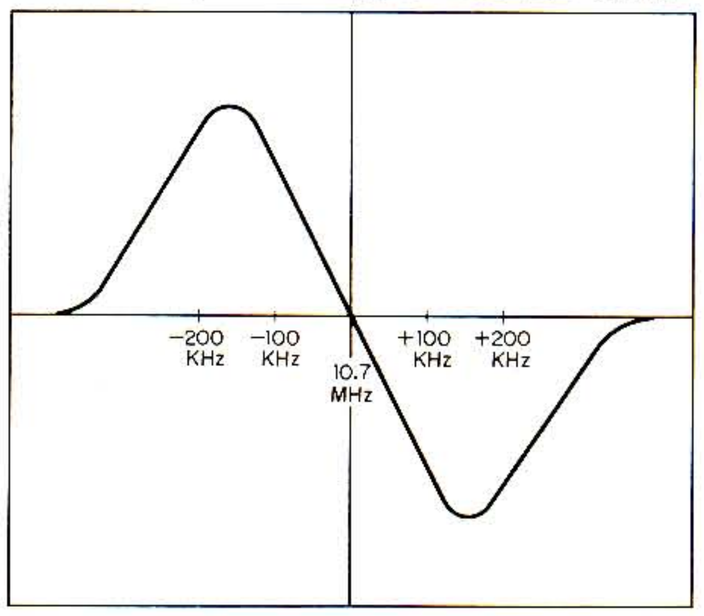
NOTE: To align, set the signal generator level to minimum.
Turn tuning gang fully.
Center carrier wave.
Set pointer at reference mark.

STEP	ALIGN	GENERATOR	FEED SIGNAL	OUTPUT INDICATOR	DIAL SETTING	ADJUST	ADJUST FOR
1.	IF Trans-former	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.	Discrimi-nator	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_{105}	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_{104}	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} and TC_{103}	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.

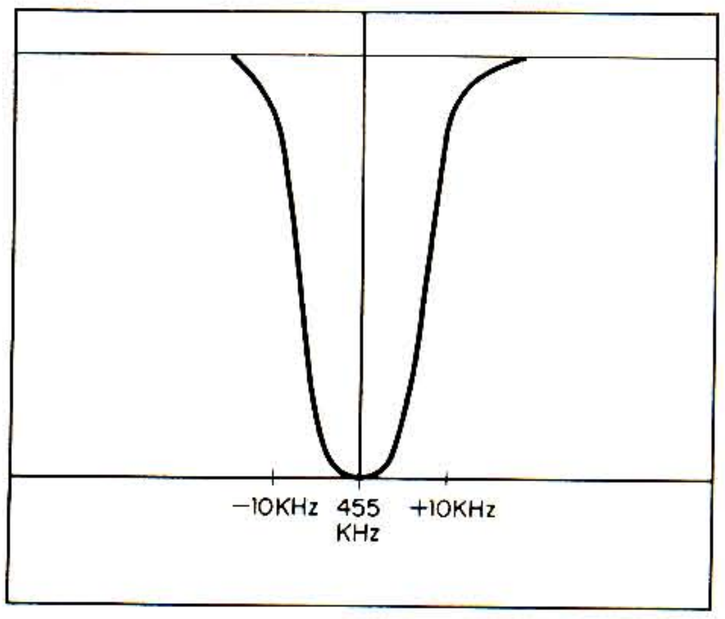
STEP	ALIGN	GENERATOR	FEED SIGNAL	OUTPUT INDICATOR	ADJUST	ADJUST FOR
1.	67 KHz Trap	67 KHz Audio Signal	Connect to TP_{4A}	V.T.V.M. at TP_{404}	L_{401}	Minimum
2.	71 KHz Trap	71 KHz Audio Signal	Connect to TP_{4A}	V.T.V.M. at TP_{404}	L_{402}	Minimum
3.	19 KHz Transformer	FM Signal Gen. Modulated 30% 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}	TP_{402}	Smaller peakvalues of two peakvalues
5.	38 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}	Smaller peakvalue of two peakvalues
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_{403}(MPT-20B) within ¼ turn and Separation VR(VR_{001})	Channel-R Minimum

AM ALIGNMENT PROCEDURE

NOTE: To align, set the signal generator level to minimum.

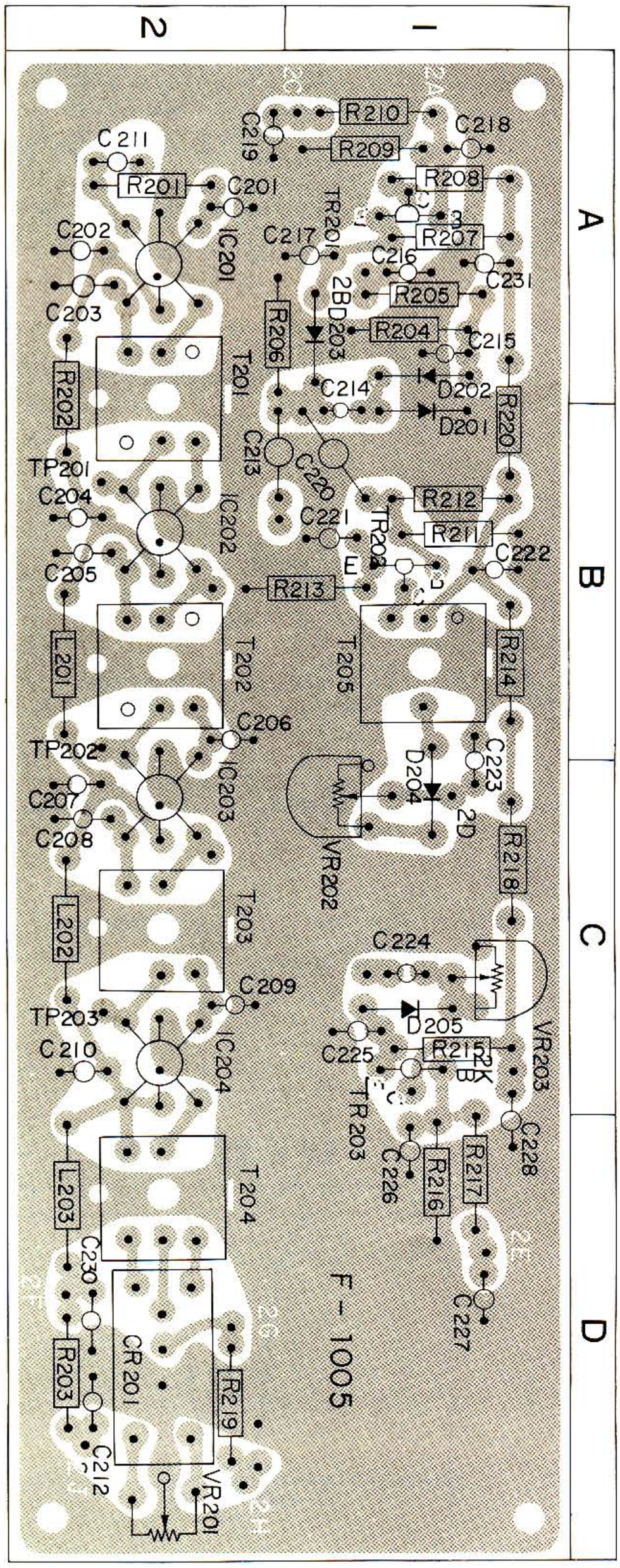
STEP	ALIGN	GENERATOR	FEED SIGNAL	OUTPUT INDICATOR	DIAL SETTING	ADJUST	ADJUST FOR
1.	I.F. Transformer	455 KHz ±30 KHz Sweep-generator	Antenna terminals	Oscilloscope and V.T.V.M. at 3G		top and bottom sides from the lst I.F.T. (T_{302}) to the 3rd I.F.T. (T_{304})	Best I.F.T. wave form
2.	O.S.C.	AM-generator 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-generation 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-generation 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



PRINTED CIRCUIT SHEETS AND PARTS LIST

F-1005 〈FM IF〉

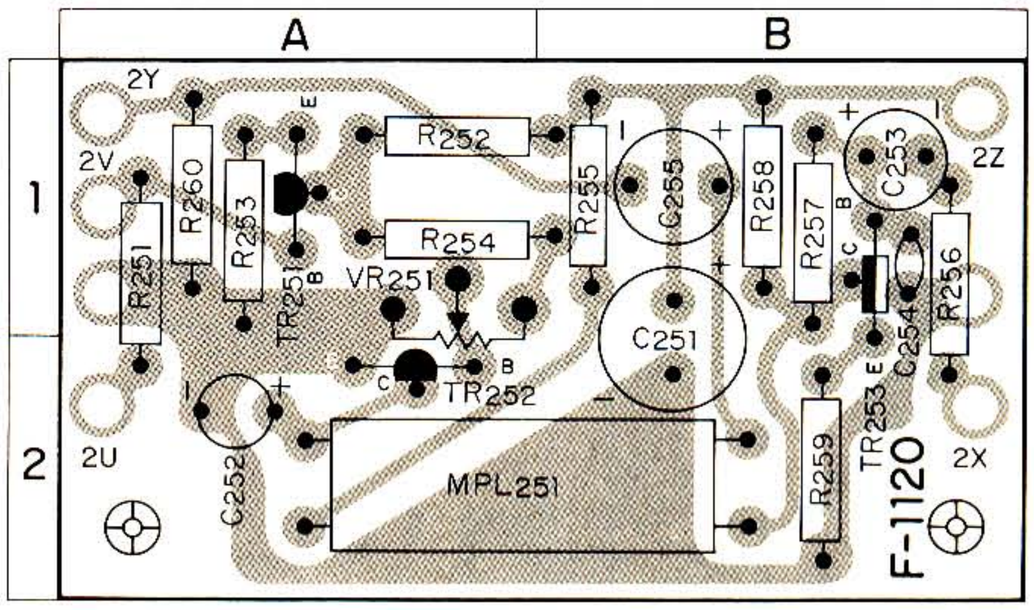


X	Y				Z
R_{201}	1.2KΩ	¼W	±10%	PREC. Fixed	2A
R_{202}	22Ω	¼W	±10%	PREC. Fixed	2A, B
R_{203}	56Ω	¼W	±10%	PREC. Fixed	2D
R_{204}	47KΩ	¼W	±10%	PREC. Fixed	1A
R_{205}	100KΩ	¼W	±10%	PREC. Fixed	1A
R_{206}	100KΩ	¼W	±10%	PREC. Fixed	2A
R_{207}	200KΩ	¼W	±10%	PREC. Fixed	1A
R_{208}	1KΩ	¼W	±10%	PREC. Fixed	1A
R_{209}	2.2KΩ	¼W	±10%	PREC. Fixed	1A
R_{210}	1KΩ	¼W	±10%	PREC. Fixed	1A
R_{211}	10KΩ	¼W	±10%	PREC. Fixed	1B
R_{212}	22KΩ	¼W	±10%	PREC. Fixed	1B
R_{213}	1KΩ	¼W	±10%	PREC. Fixed	1, 2B
R_{214}	22KΩ	¼W	±10%	PREC. Fixed	1B
R_{215}	220KΩ	¼W	±10%	PREC. Fixed	1C
R_{216}	2.2KΩ	¼W	±10%	PREC. Fixed	1D
R_{217}	1KΩ	¼W	±10%	PREC. Fixed	1D
R_{218}	22Ω	¼W	±10%	PREC. Fixed	1C
R_{219}	22KΩ	¼W	±10%	PREC. Fixed	2D
R_{220}	22Ω	¼W	±10%	PREC. Fixed	1A, B
CR_{201}				(080016)	2D
C_{201}	0.02μF		50 VDCW.	CER.	2A
C_{202}	0.02μF		50 VDCW.	CER.	2A
C_{203}	0.02μF		50 VDCW.	CER.	2A
C_{204}	0.02μF		50 VDCW.	CER.	3B
C_{205}	0.02μF		50 VDCW.	CER.	3B
C_{206}	0.02μF		50 VDCW.	CER.	3B
C_{207}	0.02μF		50 VDCW.	CER.	3C
C_{208}	0.02μF		50 VDCW.	CER.	2C
C_{209}	0.02μF		50 VDCW.	CER.	2C
C_{210}	0.02μF		50 VDCW.	CER.	2C
C_{211}	0.02μF		50 VDCW.	CER.	2A
C_{212}	0.05μF		50 VDCW.	CER.	2D
C_{213}	7pF		50 VDCW.	CER.	1, 2B
C_{214}	100pF		50 VDCW.	CER.	1A, B
C_{215}	100pF		50 VDCW.	CER.	1A
C_{216}	0.02μF		50 VDCW.	CER.	1A
C_{217}	0.02μF		50 VDCW.	CER.	1A
C_{218}	0.02μF		50 VDCW.	CER.	1A
C_{219}	0.02μF		50 VDCW.	CER.	2A
C_{220}	50pF		50 VDCW.	CER.	1B
C_{221}	0.02μF		50 VDCW.	CER.	1B
C_{222}	0.02μF		50 VDCW.	CER.	1B
C_{223}	1000pF		50 VDCW.	CER.	1B, C
C_{224}	2pF		50 VDCW.	CER.	1C
C_{225}	0.02μF		50 VDCW.	CER.	1C
C_{226}	0.02μF		50 VDCW.	CER.	1D
C_{227}	0.02μF		50 VDCW.	CER.	1D
C_{228}	0.05μF		50 VDCW.	CER.	1C, D
C_{230}	0.05μF		50 VDCW.	CER.	2D
C_{231}	0.05μF		50 VDCW.	CER.	1A
TR_{201}	2SC536(G) or (2SC828T) Si N-P-N				1A
TR_{202}	2SC380(O) or (2SC829) Si N-P-N				1B
TR_{203}	2SC536(G) or (2SC828T) Si N-P-N				1C

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

X	Y	Z
IC201	μA703E (036001)	2 A
IC202	μA703E (036001)	2 B
IC203	μA703E (036001)	2 C
IC204	μA703E (036001)	2 C
T201	FM IF 10.7MHz (423519)	2 A, B
T202	FM IF 10.7MHz (423519)	2 B
T203	FM IF 10.7MHz (423520)	2 C
T204	FM IF 10.7MHz (423518)	2 D
T205	10.7MHz Tuning trap (423521)	1 B
D201	IN60 (031033)	1 B
D202	IN60 (031033)	1 A
D203	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

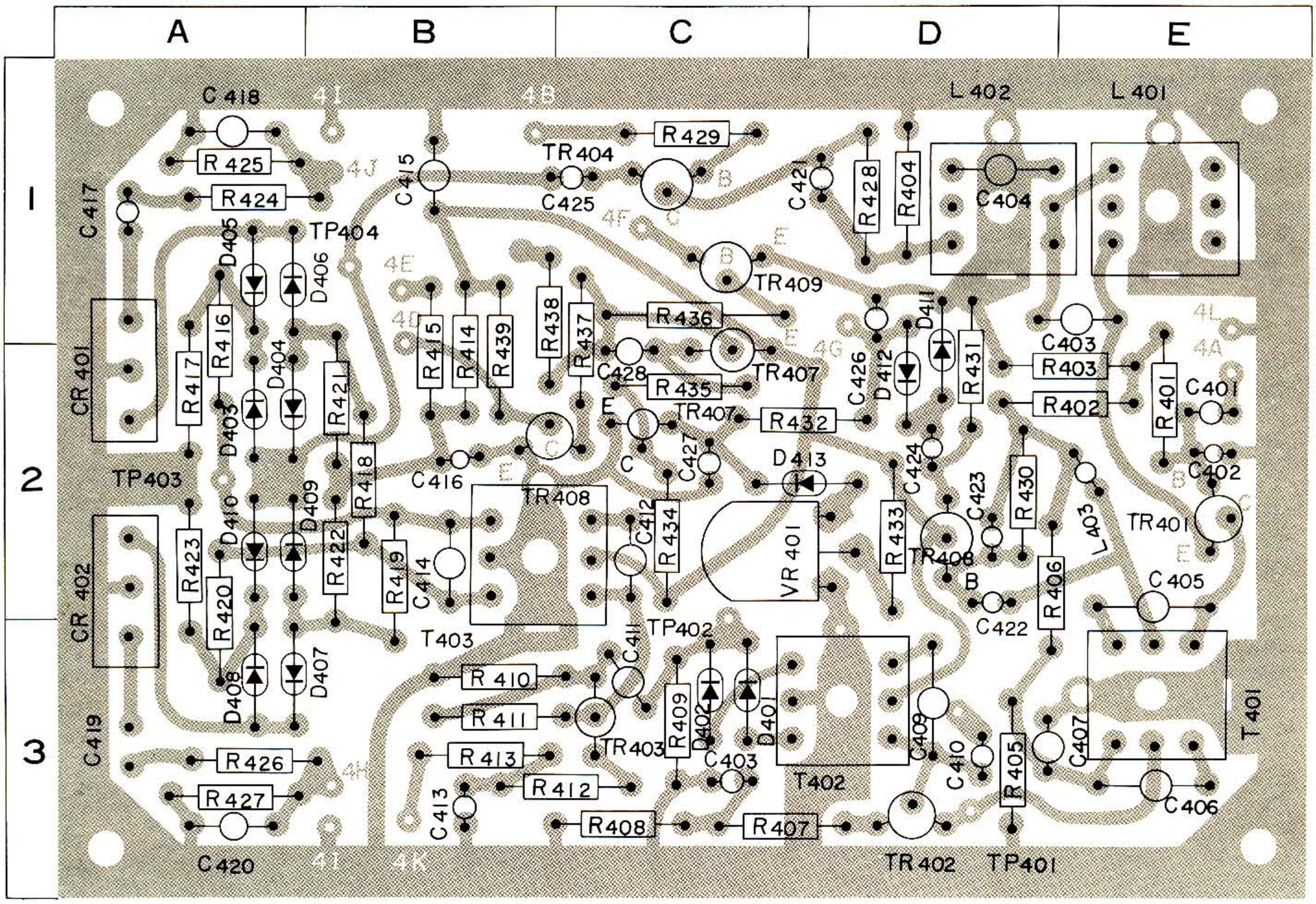
F-1120 〈MUTING〉



X	Y	Z
R251	2.2KΩ ¼W ±10% Carbon Fixed	1 A
R252	4.7KΩ ¼W ±10% Carbon Fixed	1 A
R253	680Ω ¼W ±10% Carbon Fixed	1 A
R254	5.6KΩ ¼W ±10% Carbon Fixed	1 A
R255	270Ω ¼W ±10% Carbon Fixed	1 B
R256	1KΩ ¼W ±10% Carbon Fixed	1 B
R257	220KΩ ¼W ±10% Carbon Fixed	1 B
R258	4.7KΩ ¼W ±10% Carbon Fixed	1 B
R259	1KΩ ¼W ±10% Carbon Fixed	2 B
R260	4.7Ω ¼W ±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
VR001	5KΩ(B) Semi-Variable (103037)	1 A

PRINTED CIRCUIT SHEETS AND PARTS LIST

F-1006 〈MULTIPLEX〉



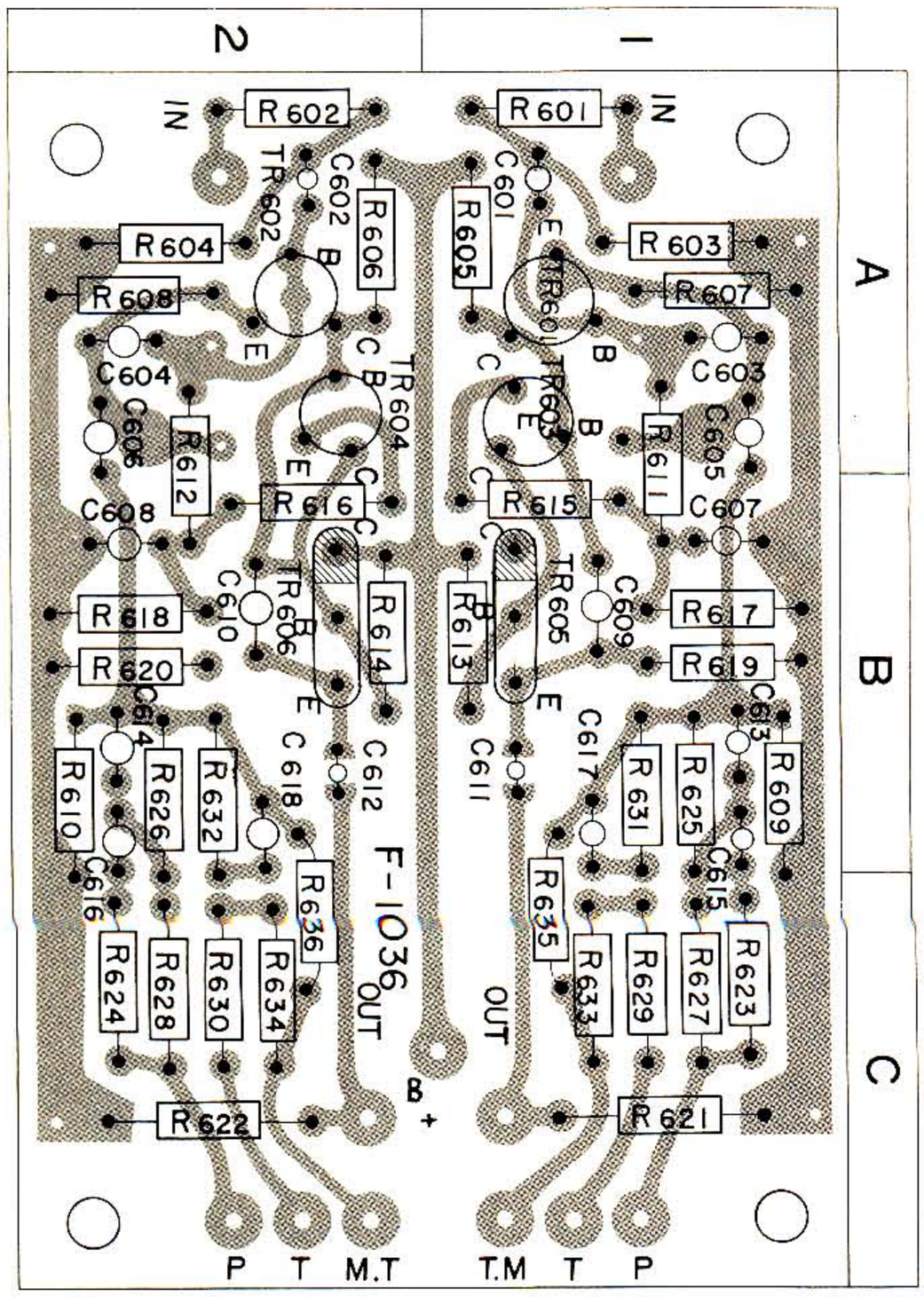
X : Parts No.
Y : Parts Name
Z : Co-ordinates in Printed Circuit Sheets

X	Y				Z
R401	47KΩ	¼W	±10%	PREC. Fixed	2 E
R402	120KΩ	¼W	±10%	PREC. Fixed	2 D, E
R403	100KΩ	¼W	±10%	PREC. Fixed	2 D, E
R404	2.2KΩ	¼W	±10%	PREC. Fixed	1 D
R405	27KΩ	¼W	±10%	PREC. Fixed	3 D
R406	330KΩ	¼W	±10%	PREC. Fixed	2 D, E
R407	330KΩ	¼W	±10%	PREC. Fixed	3 C, D
R408	1.2KΩ	¼W	±10%	PREC. Fixed	3 C
R409	10KΩ	¼W	±10%	PREC. Fixed	3 C
R410	27KΩ	¼W	±10%	PREC. Fixed	3 B
R411	270KΩ	¼W	±10%	PREC. Fixed	3 B
R412	470Ω	¼W	±10%	PREC. Fixed	3 B, C
R413	1.2KΩ	¼W	±10%	PREC. Fixed	3 B
R414	33KΩ	¼W	±10%	PREC. Fixed	1, 2 B
R415	10KΩ	¼W	±10%	PREC. Fixed	1, 2 B
R416	33KΩ	¼W	±10%	PREC. Fixed	1, 2 A
R417	100KΩ	¼W	±10%	PREC. Fixed	2 A
R418	33KΩ	¼W	±10%	PREC. Fixed	2 B
R419	33KΩ	¼W	±10%	PREC. Fixed	2 B
R420	33KΩ	¼W	±10%	PREC. Fixed	2, 3 A
R421	100KΩ	¼W	±10%	PREC. Fixed	2 B
R422	100KΩ	¼W	±10%	PREC. Fixed	2 B
R423	100KΩ	¼W	±10%	PREC. Fixed	2 A
R424	330KΩ	¼W	±10%	PREC. Fixed	1 A
R425	180KΩ	¼W	±10%	PREC. Fixed	1 A
R426	330KΩ	¼W	±10%	PREC. Fixed	3 A
R427	180KΩ	¼W	±10%	PREC. Fixed	3 A
R428	39KΩ	¼W	±10%	PREC. Fixed	1 D
R429	22KΩ	¼W	±10%	PREC. Fixed	1 C
R430	820KΩ	¼W	±10%	PREC. Fixed	2 D
R431	10KΩ	¼W	±10%	PREC. Fixed	2 D
R432	220KΩ	¼W	±10%	PREC. Fixed	2 D
R434	10KΩ	¼W	±10%	PREC. Fixed	2 C
R435	22KΩ	¼W	±10%	PREC. Fixed	2 C
R436	5.6KΩ	¼W	±10%	PREC. Fixed	1 C
R437	33KΩ	¼W	±10%	PREC. Fixed	1, 2 C
R438	10KΩ	¼W	±10%	PREC. Fixed	1, 2 B
R439	6.8KΩ	¼W	±10%	PREC. Fixed	1, 2 B
VR401	200KΩ(B)		(103035)		2 C, D
C401	10μF		15 VDCW.	ELECT.	2 E
C402	50 pF		50 VDCW.	CER.	2 E
C403	2800 pF		50 VDCW.	CER.	1 D, E
C404	120 pF		50 VDCW.	CER.	1 D
C405	6800 pF		50 VDCW.	CER.	2 E
C406	6800 pF		50 VDCW.	CER.	3 E
C407	0.05μF		50 VDCW.	CER.	3 D
C408	1μF		25 VDCW.	ELECT.	3 C
C409	6800 pF		50 VDCW.	CER.	3 D
C410	0.002μF		50 VDCW.	CER.	3 D
C411	0.05μF		50 VDCW.	CER.	3 C
C412	1700 pF		50 VDCW.	CER.	2 C
C413	1μF		25 VDCW.	ELECT.	3 B
C414	1700 pF		50 VDCW.	CER.	2 B
C415	200μF		25 VDCW.	CER.	1 B

X	Y			Z
C416	10μF	25 VDCW.	CER.	2 B
C417	0.33μF	25 VDCW.	ELECT.	1 A
C418	750 pF	50 VDCW.	CER.	1 A
C419	0.33μF	25 VDCW.	CER.	3 A
C420	750 pF	50 VDCW.	CER.	3 A
C421	10μF	25 VDCW.	ELECT.	1 D
C422	0.005μF	50 VDCW.	CER.	2 D
C423	100 PF	50 VDCW.	CER.	2 D
C424	0.005μF	50 VDCW.	CER.	2 D
C425	10μF	25 VDCW.	ELECT.	1 C
C426	0.005μF	25 VDCW.	CER.	1 D
C427	1μF	25 VDCW.	ELECT.	2 C
C428	0.03μF	50 VDCW.	CER.	1, 2 C
TR401	$2SC536V_1E_2$		Si N-P-N	2 E
TR402	$2SC536V_1E_2$		Si N-P-N	3 D
TR403	$2SC536V_1E_2$		Si N-P-N	3 C
TR404	$2SC536V_1G_2$ or 2SC828T		Si N-P-N	1 C
TR405	$2SC536V_1E_2$		Si N-P-N	2 D
TR406	2SC373		Si N-P-N	1 C
TR407	2SA564A		Ge P-N-P	1, 2 C
TR408	2SC373		Si N-P-N	2 B, C
TR409	2SC696(D & A)		Si N-P-N	1 C
D401	1N34A			3 C
D402	1N34A			3 C
D403	1N34A			2 A
D404	1N34A			2 A
D405	1N34A			1 A
D406	1N34A			1 A
D407	1N34A			3 B
D408	1N34A			3 A
D409	1N34A			2 A
D410	1N34A			2 A
D411	1N34A			1, 2 D
D412	1N34A			1, 2 D
D413	1N34A			2 C, D
T401	19KHz	Tuning Trap	(424021)	3 E
T402	19KHz	Tuning Trap	(424022)	3 C, D
T403	38KHz	Tuning Trap	(424023)	2 B, C
L401	67KHz	Filter	(424024)	1 E
L402	71KHz	Filter	(424025)	1 D, E
L403	19KHz	Filter	(490003)	2 E
CR401	38KHz	Filter & de emphasis	(080008)	1, 2 A
CR401	38KHz	Filter & de emphasis	(080008)	2, 3 A

PRINTED CIRCUIT SHEETS AND PARTS LIST

F-1036 〈EQUALIZER AMP.〉

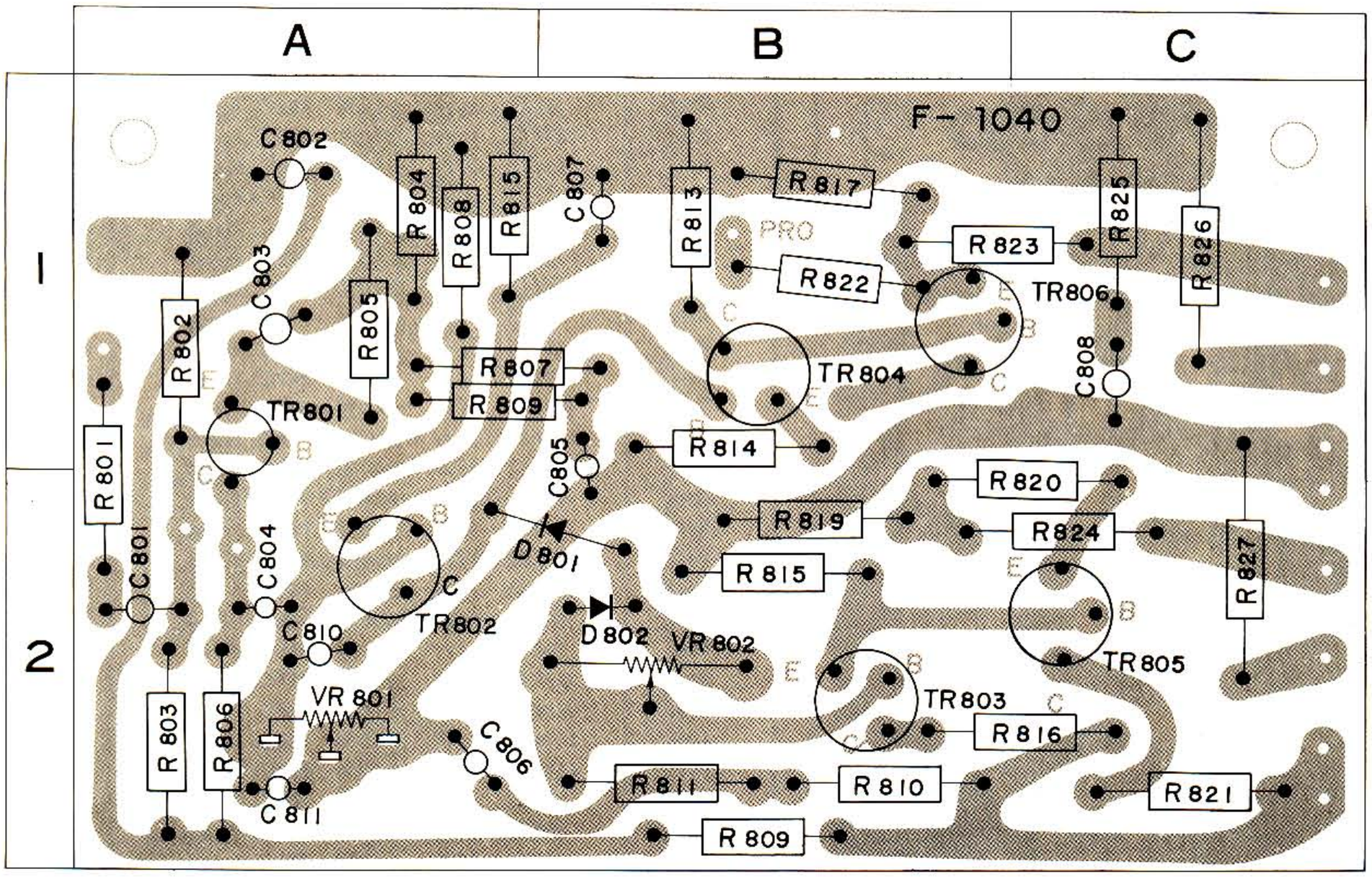


X	Y				Z
R601	1KΩ	¼W	±10%	PREC. Fixed	1 A
R602	1KΩ	¼W	±10%	PREC. Fixed	1 A
R603	680KΩ	¼W	±10%	PREC. Fixed	1 A
R604	680KΩ	¼W	±10%	PREC. Fixed	1 A

X	Y				Z
R605	220KΩ	¼W	±10%	PREC. Fixed	1 A
R606	220KΩ	¼W	±10%	PREC. Fixed	1 A
R607	1KΩ	¼W	±10%	PREC. Fixed	1 A
R608	1KΩ	¼W	±10%	PREC. Fixed	1 A
R609	470Ω	¼W	±10%	PREC. Fixed	1 B
R610	470Ω	¼W	±10%	PREC. Fixed	1 B
R611	270KΩ	¼W	±10%	PREC. Fixed	1 A, B
R612	270KΩ	¼W	±10%	PREC. Fixed	1 A, B
R613	33KΩ	¼W	±10%	PREC. Fixed	1 B
R614	33KΩ	¼W	±10%	PREC. Fixed	1 B
R615	680Ω	¼W	±10%	PREC. Fixed	1 B
R616	680Ω	¼W	±10%	PREC. Fixed	1 B
R617	2.2KΩ	¼W	±10%	PREC. Fixed	1 B
R618	2.2KΩ	¼W	±10%	PREC. Fixed	1 B
R619	3.9KΩ	¼W	±10%	PREC. Fixed	1 B
R620	3.9KΩ	¼W	±10%	PREC. Fixed	1 B
R621	39KΩ	¼W	±10%	PREC. Fixed	1 C
R622	39KΩ	¼W	±10%	PREC. Fixed	1 C
R623	820Ω	¼W	±10%	PREC. Fixed	1 C
R624	820Ω	¼W	±10%	PREC. Fixed	1 C
R625	220KΩ	¼W	±10%	PREC. Fixed	1 B
R626	220KΩ	¼W	±10%	PREC. Fixed	1 B
R627	18KΩ	¼W	±10%	PREC. Fixed	1 C
R628	18KΩ	¼W	±10%	PREC. Fixed	1 C
R629	10KΩ	¼W	±10%	PREC. Fixed	1 C
R630	10KΩ	¼W	±10%	PREC. Fixed	1 C
R631	680KΩ	¼W	±10%	PREC. Fixed	1 B
R632	680KΩ	¼W	±10%	PREC. Fixed	1 B
R635	4.7KΩ	¼W	±10%	PREC. Fixed	1 C
R636	4.7KΩ	¼W	±10%	PREC. Fixed	1 C
C601	1.5μF			10 VDCW. Ta.	1 A
C602	1.5μF			10 VDCW. Ta.	1 A
C603	150 pF	±10%		50 VDCW. CER.	1 A
C604	150 pF	±10%		50 VDCW. CER.	1 A
C605	220μF			6.3 VDCW. ELECT.	1 A
C606	220μF			6.3 VDCW. ELECT.	1 A
C607	10μF			10 VDCW. ELECT.	1 B
C608	10μF			10 VDCW. ELECT.	1 B
C609	30 pF	±10%		50 VDCW.	1 B
C610	30 pF	±10%		50 VDCW.	1 B
C611	10μF			25 VDCW. ELECT.	1 B
C612	10μF			25 VDCW. ELECT.	1 B
C613	0.015μF	±10%		50 VDCW. My.	1 B
C614	0.004 pF	±10%		50 VDCW. My.	1 B
C615	0.004 pF	±10%		50 VDCW. My.	1 B
C616	0.005 pF	±10%		50 VDCW. My.	1 B
C617	0.0047 pF	±10%		50 VDCW. My.	1 B
C618	0.0047 pF	±10%		50 VDCW. My.	1 B
TR601	2SC650 or (2SC631)			Si N-P-N	1 A
TR602	2SC650 or (2SC531)			Si N-P-N	2 A
TR603	2SC281 or (2SC531)			Si N-P-N	1 A
TR604	2SC281 or (2SC531)			Si N-P-N	2 A
TR605	2SC281 or (2SC631)			Si N-P-N	1 B
TR606	2SC281 or (2SC631)			Si N-P-N	2 B

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

F-1040 〈DRIVER AMP.〉

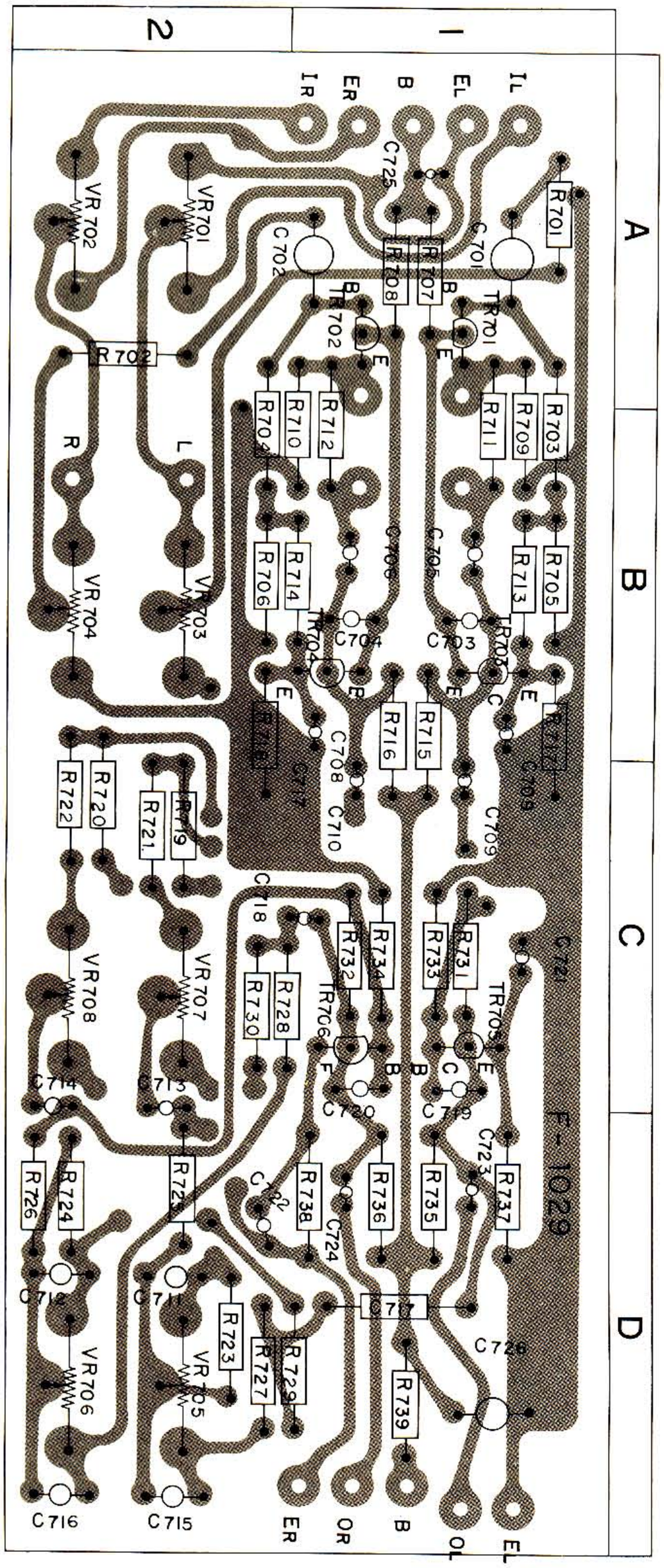


X	Y				Z
R801	2.2KΩ	¼W	±10%	COMP. Fixed	1, 2A
R802	220KΩ	¼W	±10%	COMP. Fixed	1A
R803	560KΩ	¼W	±10%	COMP. Fixed	2A
R804	220Ω	¼W	±10%	COMP. Fixed	1A
R805	2.2KΩ	¼W	±10%	COMP. Fixed	1A
R806	2.7KΩ	¼W	±10%	COMP. Fixed	2A
R807	6.8KΩ	¼W	±10%	COMP. Fixed	1A, B
R808	10KΩ	¼W	±10%	COMP. Fixed	1A
R809	47KΩ	¼W	±10%	COMP. Fixed	1A, B
R810	1KΩ	¼W	±10%	COMP. Fixed	
R811	3.3KΩ	¼W	±10%	COMP. Fixed	
R812	220Ω	¼W	±10%	COMP. Fixed	
R813	120Ω	¼W	±10%	COMP. Fixed	1B
R814	4.7Ω	¼W	±10%	COMP. Fixed	1B
R815	120Ω	¼W	±10%	COMP. Fixed	1A
R816	33Ω	¼W	±10%	COMP. Fixed	
R817	100Ω	¼W	±10%	COMP. Fixed	
R818	3.3Ω	¼W	±10%	COMP. Fixed	
R819	100Ω	¼W	±10%	COMP. Fixed	
R820	4.7Ω	¼W	±10%	COMP. Fixed	
R821	3.3Ω	¼W	±10%	COMP. Fixed	
R822	1KΩ	¼W	±10%	COMP. Fixed	1B
R823	3.3Ω	¼W	±10%	COMP. Fixed	1B, C
R824	3.3Ω	¼W	±10%	COMP. Fixed	
R825	22Ω	¼W	±10%	COMP. Fixed	

X	Y				Z
R826	0.3Ω	1W	±10%	WW.	
R827	0.3Ω	1W		COMP. Fixed	2C
VR801	500KΩ(B)	(103050)			2A
VR802	500Ω(B)	(103051)			2B
C801	0.5μF	50 VDCW.		My.	2A
C802	100μF	35 VDCW.		ELECT.	1A
C803	220μF	15 VDCW.		ELECT.	1A
C804	1μF	50 VDCW.		Ta.	2A
C805	10μF	50 VDCW.		ELECT.	1B
C806	33μF	50 VDCW.		ELECT.	2A
C807	47μF	15 VDCW.		ELECT.	1B
C808	0.05μF	50 VDCW.		CER.	1C
C809	100pF	50 VDCW.		CER.	1A, B
C810	100pF	50 VDCW.		CER.	2A
TR801	2SC458LG(C)	Si N-P-N			1A
TR802	2SC756	Si N-P-N			2A
TR803	2SC485	Si N-P-N			2B
TR804	2SA485	Si N-P-N			1B
TR805	2SC756	Si N-P-N			2C
TR806	2SC756	Si N-P-N			1B, C
D801	LV-2	Si diode			2A, B
D802	LV-2	Si diode			2B

PRINTED CIRCUIT SHEETS AND PARTS LIST

F-1029 〈TONE CONTROL〉

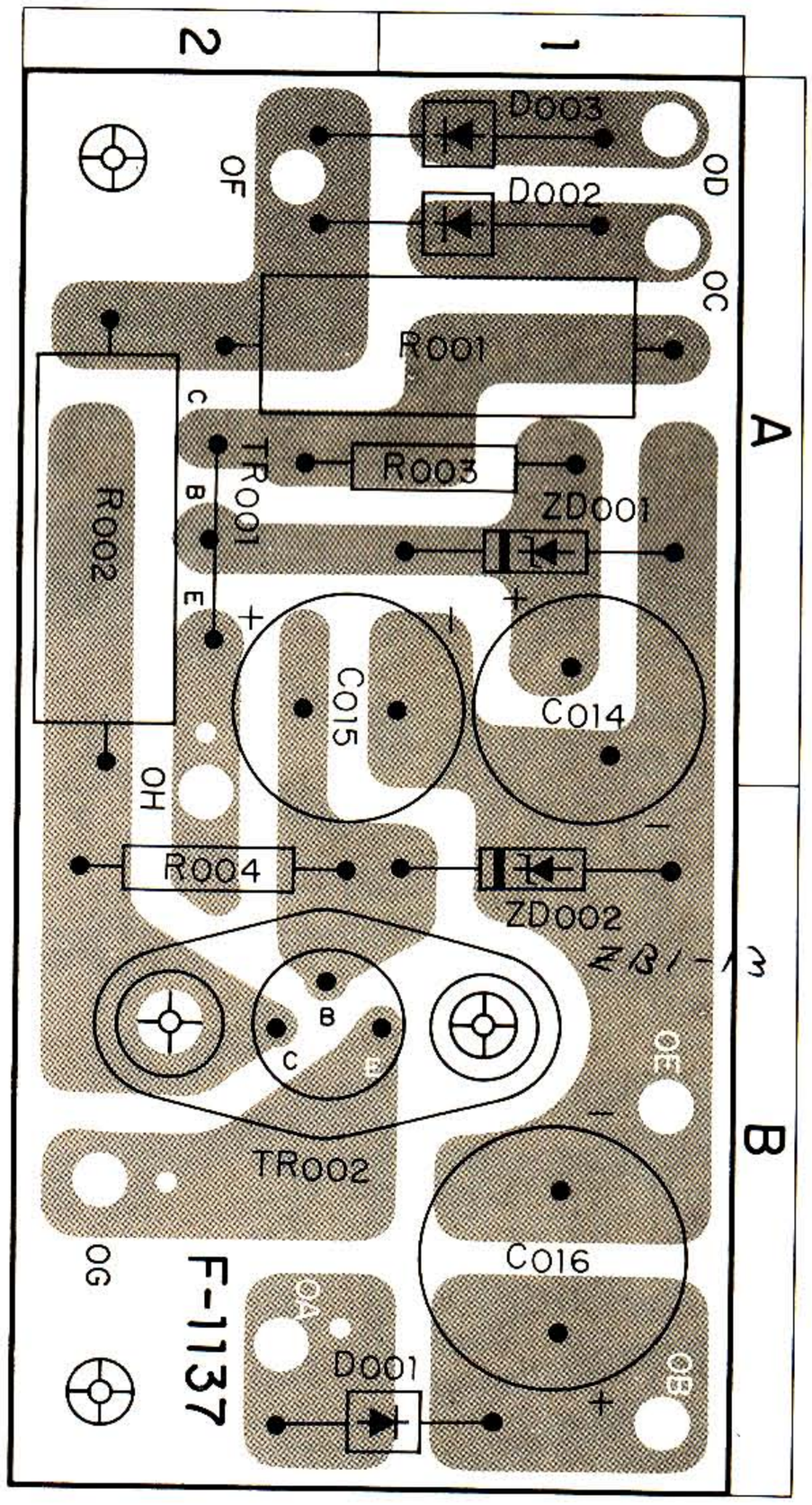


X	Y				Z
R701	1KΩ	¼W	±10%	PREC. Fixed	2A
R702	1KΩ	¼W	±10%	PREC. Fixed	1A
R703	47KΩ	¼W	±10%	PREC. Fixed	2A, B
R704	47KΩ	¼W	±10%	PREC. Fixed	1A, B
R705	68KΩ	¼W	±10%	PREC. Fixed	2B
R706	68KΩ	¼W	±10%	PREC. Fixed	1B
R707	100KΩ	¼W	±10%	PREC. Fixed	1A
R708	100KΩ	¼W	±10%	PREC. Fixed	1A
R709	1KΩ	¼W	±10%	PREC. Fixed	1A, B
R710	1KΩ	¼W	±10%	PREC. Fixed	1A, B
R711	8.2KΩ	¼W	±10%	PREC. Fixed	1A, B
R712	8.2KΩ	¼W	±10%	PREC. Fixed	1A, B
R713	120KΩ	¼W	±10%	PREC. Fixed	1B
R714	120KΩ	¼W	±10%	PREC. Fixed	1B
R715	15KΩ	¼W	±10%	PREC. Fixed	2B
R716	15KΩ	¼W	±10%	PREC. Fixed	1B, C
R717	2.7KΩ	¼W	±10%	PREC. Fixed	2B, C
R718	2.7KΩ	¼W	±10%	PREC. Fixed	1B, C
R719	10KΩ	¼W	±10%	PREC. Fixed	2C
R720	10KΩ	¼W	±10%	PREC. Fixed	2C
R721	6.8KΩ	¼W	±10%	PREC. Fixed	2C
R722	6.8KΩ	¼W	±10%	PREC. Fixed	2C
R723	150KΩ	¼W	±10%	PREC. Fixed	2D
R724	150KΩ	¼W	±10%	PREC. Fixed	2D
R725	22KΩ	¼W	±10%	PREC. Fixed	2D
R726	22KΩ	¼W	±10%	PREC. Fixed	2D
R727	10KΩ	¼W	±10%	PREC. Fixed	12C
R728	10KΩ	¼W	±10%	PREC. Fixed	2D
R729	6.8KΩ	¼W	±10%	PREC. Fixed	2C
R730	6.8KΩ	¼W	±10%	PREC. Fixed	1D
R731	470KΩ	¼W	±10%	PREC. Fixed	1C
R732	470KΩ	¼W	±10%	PREC. Fixed	1C
R733	150KΩ	¼W	±10%	PREC. Fixed	1C
R734	150KΩ	¼W	±10%	PREC. Fixed	1C
R735	5.6KΩ	¼W	±10%	PREC. Fixed	1D
R736	5.6KΩ	¼W	±10%	PREC. Fixed	1D
R737	560Ω	¼W	±10%	PREC. Fixed	1D
R738	560Ω	¼W	±10%	PREC. Fixed	1D
R739	100Ω	¼W	±10%	PREC. Fixed	1D
C701	0.2μF		50 VDCW.	My.	1A
C702	0.2μF		50 VDCW.	My.	1A
C703	20 pF		50 VDCW.	CER.	1B
C704	20 pF		50 VDCW.	CER.	1B
C705	30μF		15 VDCW.	ELECT.	1B
C706	30μF		15 VDCW.	ELECT.	1B
C707	30μF		15 VDCW.	ELECT.	1B
C708	30μF		15 VDCW.	ELECT.	1B, C
C709	3μF		25 VDCW.	ELECT.	1B
C710	3μF		25 VDCW.	ELECT.	1B, C
C711	0.04μF		50 VDCW.	My.	2D
C712	0.04μF		50 VDCW.	My.	2D
C713	0.0015μF		50 VDCW.	My.	2C
C714	0.0015μF		50 VDCW.	My.	2C
C715	0.04μF		50 VDCW.	My.	2D
C716	0.04μF		50 VDCW.	My.	2D

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

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

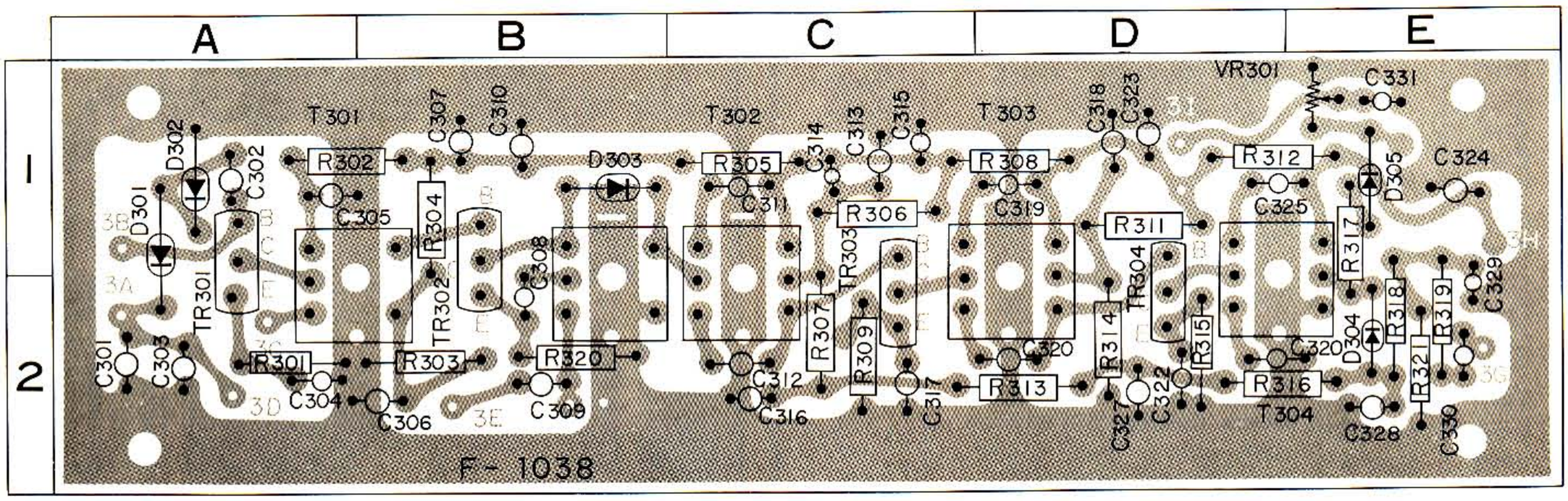
F-1137 〈RIPPLE FILTER〉



X	Y		Z
R001	68Ω 3 W ±10%	WW Fixed	
R002	180Ω 3 W ±10%	WW Fixed	
R003	3.9KΩ ½W ±10%	Solid Fixed	
R004	1.5KΩ ½W ±10%	Solid Fixed	
C014	220μF	25 VDCW. ELECT.	
C015	330μF	16 VDCW. ELECT.	
C016	1000μF	10 VDCW. ELECT.	
TR001	2SD72 TR	030812-1	
TR002	2SD205 TR	030813-0～2	
D001	SW-05-02 D	031017	
D002	SW-05-02 D	031017	
D003	SW-05-02 D	031017	

PRINTED CIRCUIT SHEETS AND PARTS LIST

F-1038 〈AM IF〉

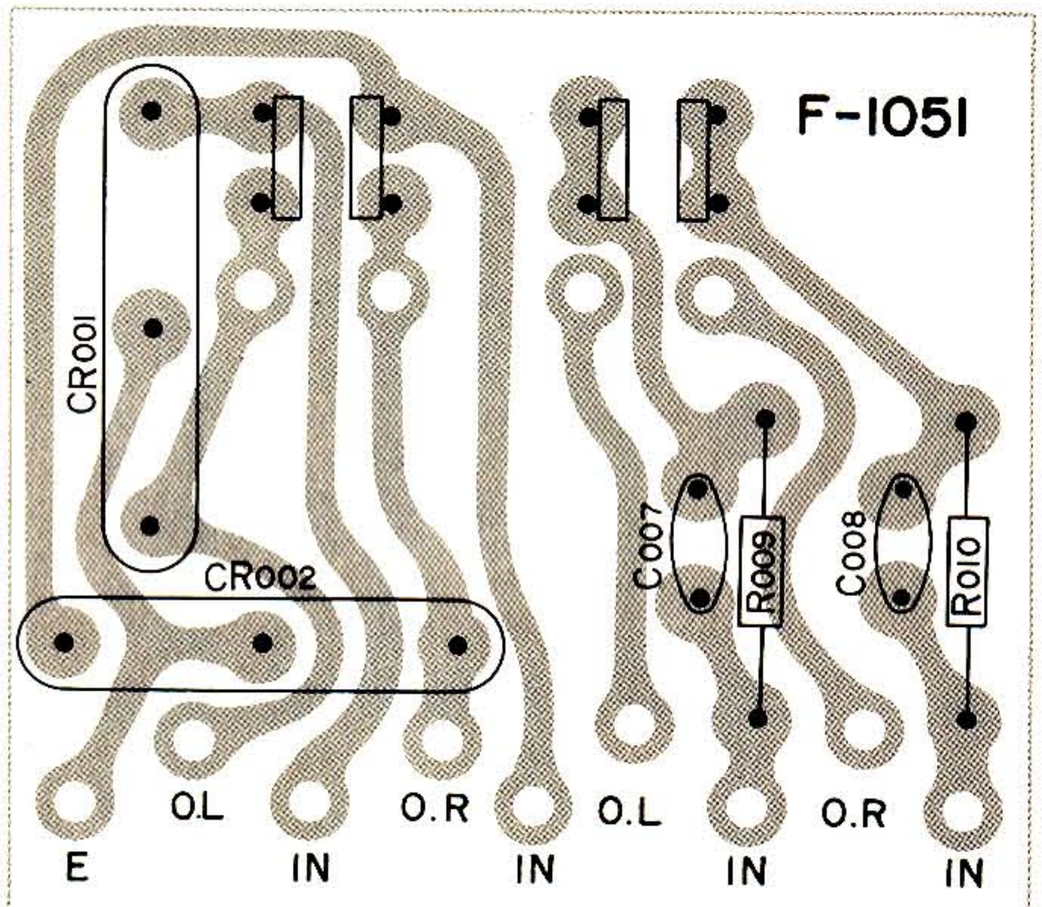


X	Y				Z
R301	1KΩ	¼W	±10%	PREC. Fixed	2 A
R302	100Ω	¼W	±10%	PREC. Fixed	1 A, B
R303	3.9KΩ	¼W	±10%	PREC. Fixed	2 B
R304	33KΩ	¼W	±10%	PREC. Fixed	1 B
R305	100Ω	¼W	±10%	PREC. Fixed	1 C
R306	68KΩ	¼W	±10%	PREC. Fixed	1 C
R307	22Ω	¼W	±10%	PREC. Fixed	2 C
R308	22Ω	¼W	±10%	PREC. Fixed	1 D
R309	1KΩ	¼W	±10%	PREC. Fixed	2 C
R311	10KΩ	¼W	±10%	PREC. Fixed	1 D
R312	22Ω	¼W	±10%	PREC. Fixed	1 D, E
R313	100Ω	¼W	±10%	PREC. Fixed	2 D
R314	6.8KΩ	¼W	±10%	PREC. Fixed	2 D
R315	470Ω	¼W	±10%	PREC. Fixed	2 D
R316	8.2KΩ	¼W	±10%	PREC. Fixed	2 D, E
R317	1KΩ	¼W	±10%	PREC. Fixed	1, 2 E
R318	1KΩ	¼W	±10%	PREC. Fixed	2 E
R319	120KΩ	¼W	±10%	PREC. Fixed	2 E
R320	1KΩ	¼W	±10%	PREC. Fixed	2 B
R321	47KΩ	¼W	±10%	PREC. Fixed	2 E
VR301	20KΩ	(103019)			1 E
C301	0.04μF		50 VDCW.	CER.	2 A
C302	0.04μF		50 VDCW.	CER.	1 A
C303	100μF		6 VDCW.	ELECT.	2 A
C304	0.02μF		50 VDCW.	CER.	2 A
C305	0.04μF		50 VDCW.	CER.	1 A
C306	0.04μF		50 VDCW.	CER.	2 B
C307	100μF		15 VDCW.	ELECT.	1 B
C308	0.01μF		50 VDCW.	My.	1 B
C309	430 pF		50 VDCW.	Mc.	2 B
C310	0.02μF		50 VDCW.	CER.	1 B
C311	500 pF		50 VDCW.	Mc.	1 C
C312	500 pF		50 VDCW.	Mc.	2 C

X	Y				Z
C313	5μF		15 VDCW.	ELECT.	1 C
C314	0.02μF		50 VDCW.	CER.	1 C
C315	0.02μF		50 VDCW.	CER.	1 C
C316	0.04μF		50 VDCW.	CER.	2 C
C317	50μF		6 VDCW.	ELECT.	2 C
C318	0.02μF		50 VDCW.	CER.	1 D
C319	500 pF		50 VDCW.	Mc.	1 D
C320	500 pF		50 VDCW.	Mc.	2 D
C322	0.04μF		50 VDCW.	CER.	2 D
C323	0.02μF		50 VDCW.	CER.	1 D
C324	200μF		15 VDCW.	ELECT.	1 E
C325	500 pF		50 VDCW.	Mc.	1 D, E
C326	500 pF		50 VDCW.	Mc.	2 D, E
C327	0.02μF		50 VDCW.	CER.	2 D
C328	0.02μF		50 VDCW.	My.	2 E
C329	0.01μF		50 VDCW.	My.	2 E
C330	0.04μF		50 VDCW.	CER.	2 E
C331	10μF		6 VDCW.	ELECT.	1 E
D301	IN60				1 A
D302	IN60				1 A
D303	IN60				1 B
D304	IN60				2 E
D306	IN60				1 E
TR301	2SC460 or 2SC461(C)			Si N-P-N	1, 2 A
TR302	2SC460			Si N-P-N	1, 2 B
TR303	2SC460			Si N-P-N	1, 2 C
TR304	2SC460 or 2SC461(C)			Si N-P-N	1, 2 D
T301	AMRF (421005)				1, 2 A B
T302	AMOSC (422007)				1, 2 B
T303	AM IFT 455KHz (423019)				1, 2 C
T304	AM IFT 455KHz (423019)				1, 2 C D
T305	AM IFT 455KHz (423018)				1, 2 D E

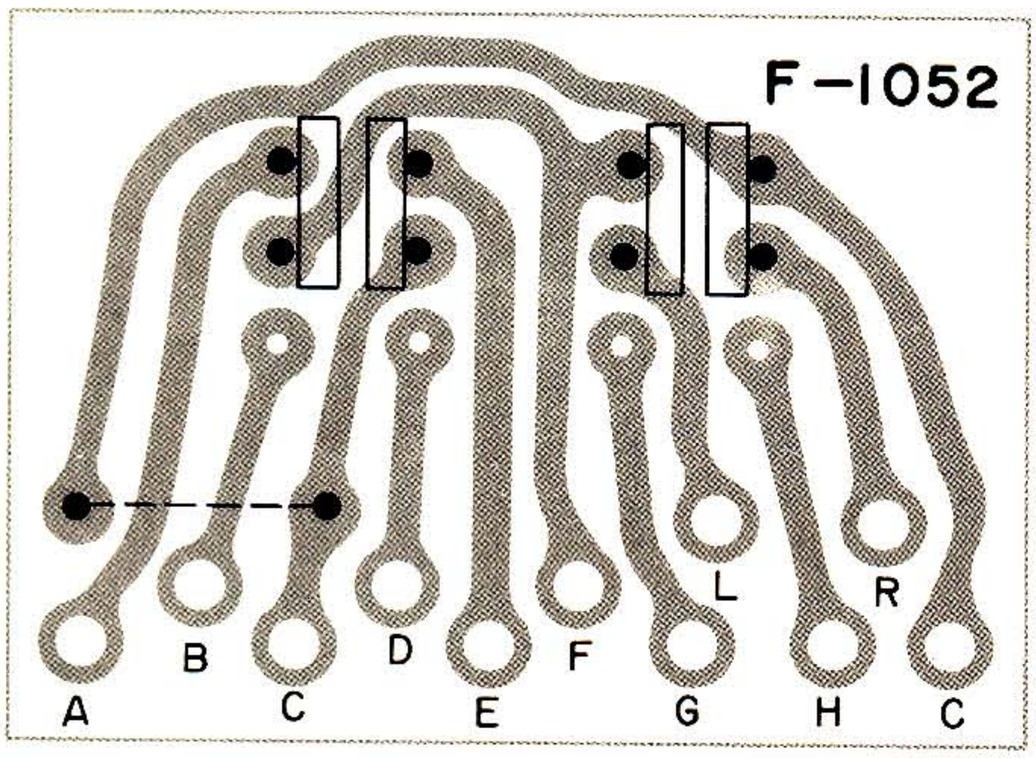
X : Parts No.
Y : Parts Name
Z : Co-ordinates in Printed Circuit Sheets

F-1051 〈HIGH-LOW FILTER〉

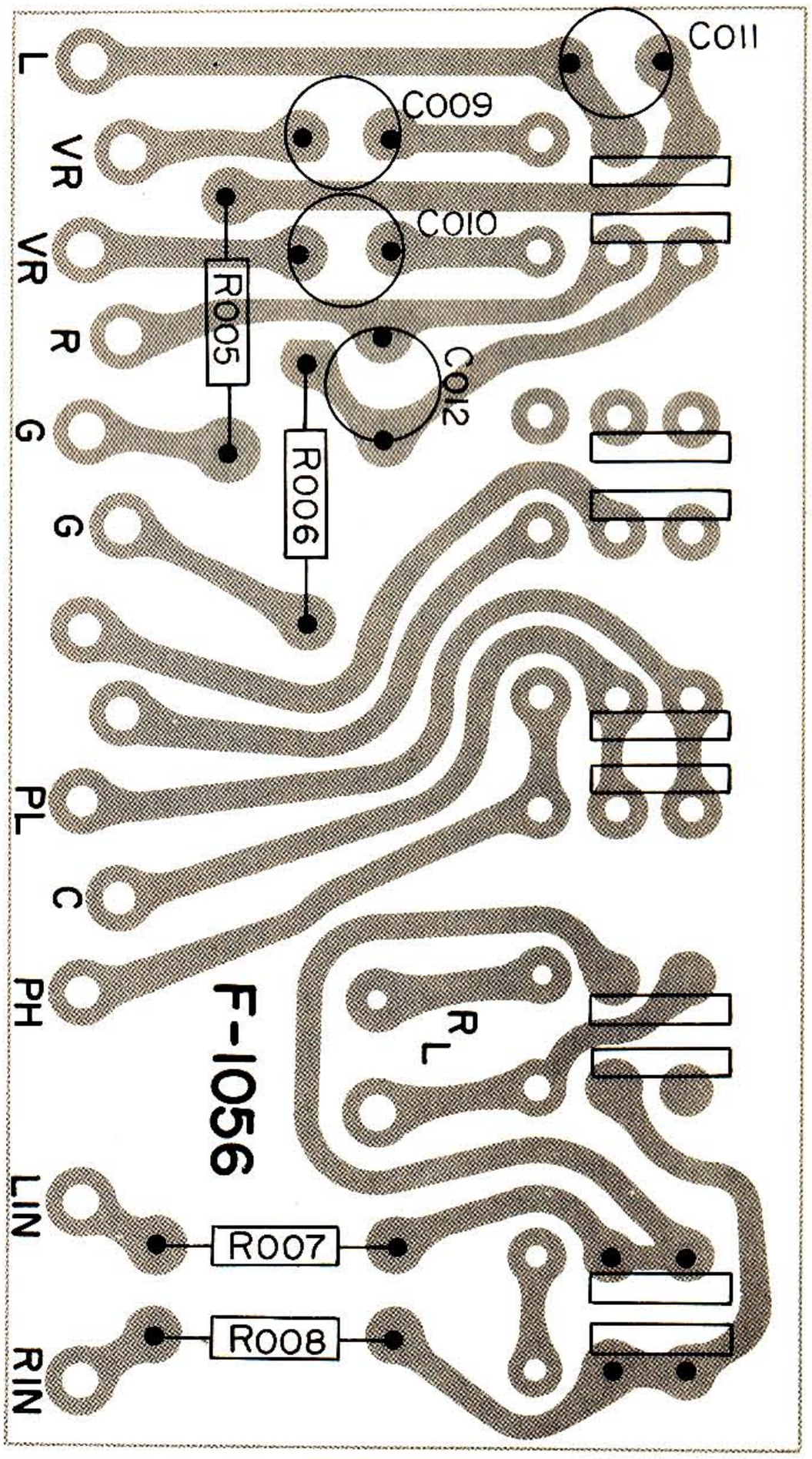


X	Y	Z
R009	470KΩ ¼W ±10% PREC. Fixed	
R010	470KΩ ¼W ±10% PREC. Fixed	
C007	0.0068μF 50 VDCW. My.	
C008	0.0068μF 50 VDCW. My.	
CR001	Low Filter CER.	
CR002	Low Filter CER.	

〈TAPE MONITOR SW〉



F-1056 〈ACCESSORY CIRCUIT〉



X	Y	Z
R005	33KΩ ¼W ±10% PREC. Fixed	
R006	33KΩ ¼W ±10% PREC. Fixed	
R007	8.2KΩ ¼W ±10% PREC. Fixed	
R008	8.2KΩ ¼W ±10% PREC. Fixed	
C009	0.022μF 50 VDCW. My.	
C010	0.022μF 50 VDCW. My.	
C011	150pF 50 VDCW. Mc.	
C012	150pF 50 VDCW. Mc.	

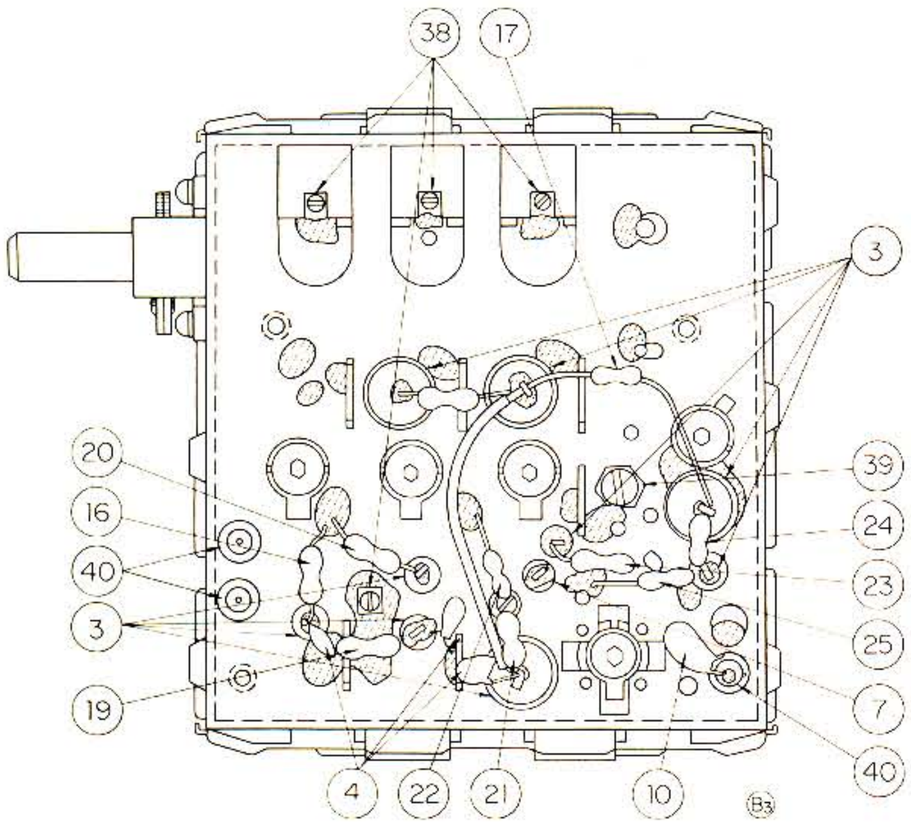
PARTS LIST

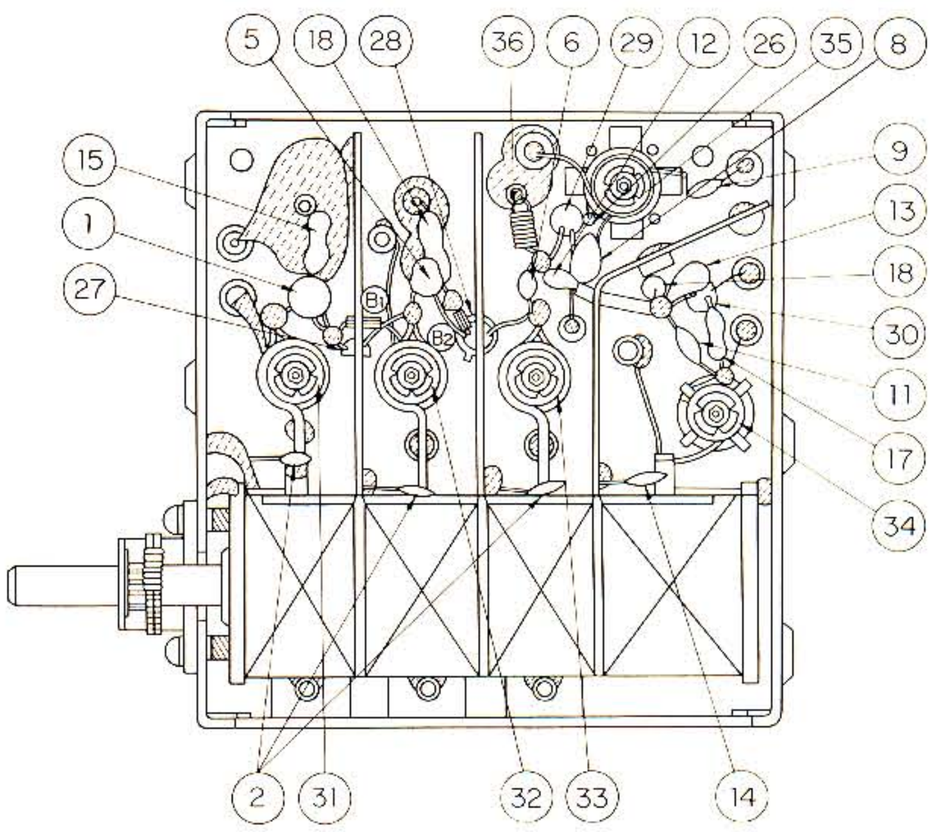
X : Part No.
Y : Parts Name
Z : Drawing No.

F-1011 〈FM TUNER〉

X	Y	Z
C101	100pF ±20% 50 VDCW. CER.	①
C102	15pF ±0.5pF 50 VDCW. CER.	②
C106	15pF ±0.5pF 50 VDCW. CER.	
C112	15pF ±0.5pF 50 VDCW. CER.	
C103	0.001μF $^{+100}_{-0}$% 50 VDCW. CER.	③
C105	0.001μF $^{+100}_{-0}$% 50 VDCW. CER.	
C108	0.001μF $^{+100}_{-0}$% 50 VDCW. CER.	
C110	0.001μF $^{+100}_{-0}$% 50 VDCW. CER.	
C111	0.001μF $^{+100}_{-0}$% 50 VDCW. CER.	
C114	0.001μF $^{+100}_{-0}$% 50 VDCW. CER.	
C116	0.001μF $^{+100}_{-0}$% 50 VDCW. CER.	
C118	0.001μF $^{+100}_{-0}$% 50 VDCW. CER.	
C121	0.001μF $^{+100}_{-0}$% 50 VDCW. CER.	
C124	0.001μF $^{+100}_{-0}$% 50 VDCW. CER.	
C104	0.002μF $^{+100}_{-0}$% 50 VDCW. CER.	④
C109	0.002μF $^{+100}_{-0}$% 50 VDCW. CER.	
C126	0.002μF $^{+100}_{-0}$% 50 VDCW. CER.	
C107	6pF ±0.25pF 50 VDCW. CER.	⑤
C113	5pF ±0.5pF 50 VDCW. CER.	⑥
C115	20pF ±10% 50 VDCW. CER.	⑦
C117	120pF ± 5 % 50 VDCW. CER.	⑧
C119	160pF ± 5 % 50 VDCW. CER.	⑨
C120	220pF ± 5 % 50 VDCW. CER.	⑩
C122	5pF ±10% 50 VDCW. CER.	⑪
C123	2pF ±10% 50 VDCW. CER.	⑫
C125	30pF ±10% 50 VDCW. CER.	⑬
C127	15pF ±10% 50 VDCW. CER.	⑭
R101	100KΩ ¼W ±10% PREC. Fixed	⑮
R102	1MΩ ¼W ±10% PREC. Fixed	⑯

X	Y	Z
R103	120Ω ¼W ±10% PREC. Fixed	⑰
R113	120Ω ¼W ±10% PREC. Fixed	
R114	120Ω ¼W ±10% PREC. Fixed	
R104	1KΩ ¼W ±10% PREC. Fixed	⑱
R112	1KΩ ¼W ±10% PREC. Fixed	
R105	47KΩ ¼W ±10% PREC. Fixed	⑲
R106	680Ω ¼W ±10% PREC. Fixed	⑳
R107	8.2KΩ ¼W ±10% PREC. Fixed	㉑
R108	2.2KΩ ¼W ±10% PREC. Fixed	㉒
R109	1.8KΩ ¼W ±10% PREC. Fixed	㉓
R110	8.2KΩ ¼W ±10% PREC. Fixed	㉔
R111	3.3KΩ ¼W ±10% PREC. Fixed	㉕
R115	2Ω ¼W ±10% PREC. Fixed	㉖
FET101	MPF-102 Junction type	㉗
TR101	SE5050 Si N-P-N	㉘
TR102	SE3001 Si N-P-N	㉙
TR103	SE3001 Si N-P-N	㉚
L101	FM RF Coil	㉛
L102	FM RF Coil	㉜
L103	FM RF Coil	㉝
L105	FM Coil	㉞
L104	FM IF Coil	㉟
L106	FM RF Coil	㊱
TC101	2～8pF Trim	㊳
TC102	2～8pF Trim	
TC103	2～8pF Trim	
TC104	2～8pF Trim	





X : Parts No.
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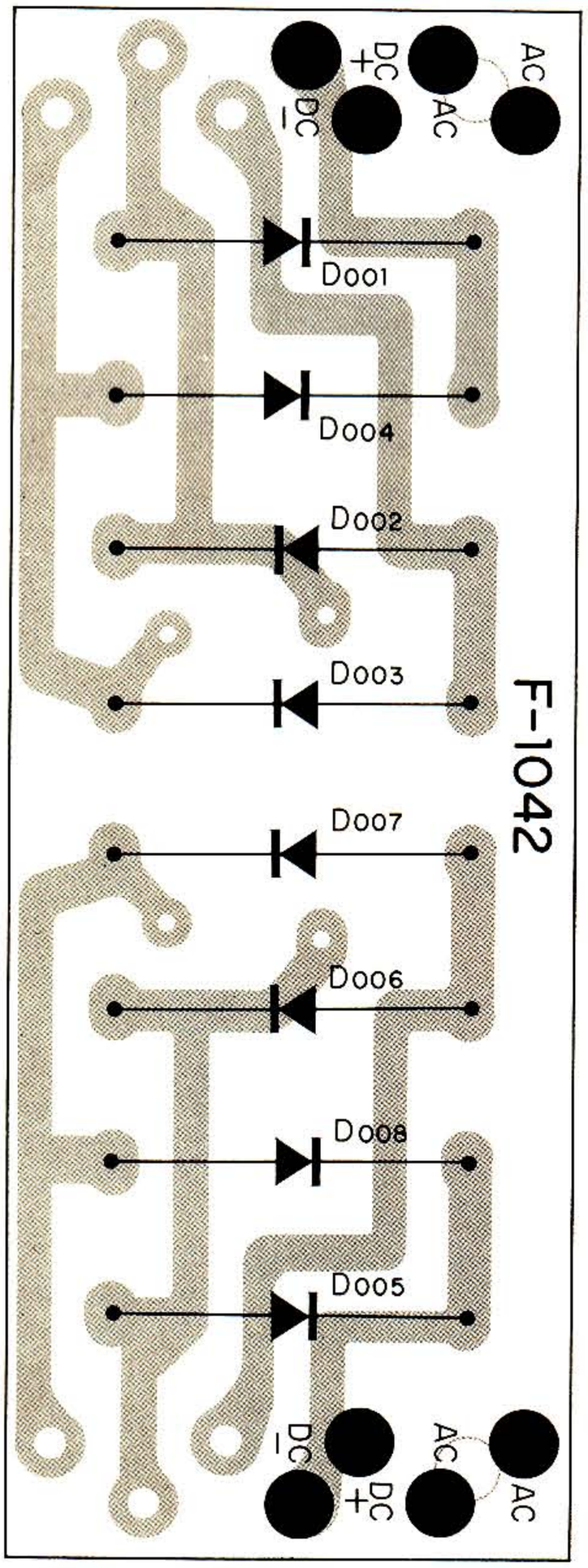
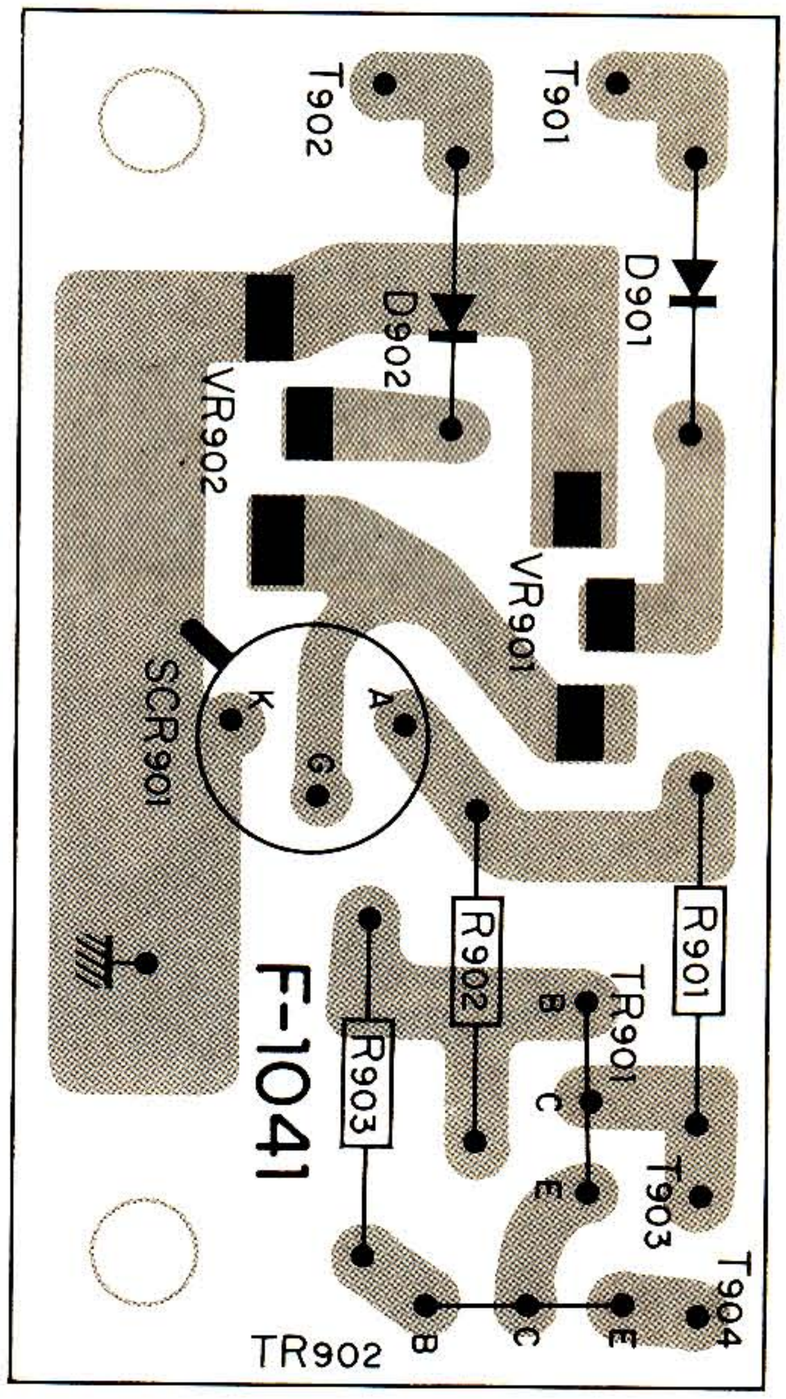
F-1042 〈DIODES STACK〉



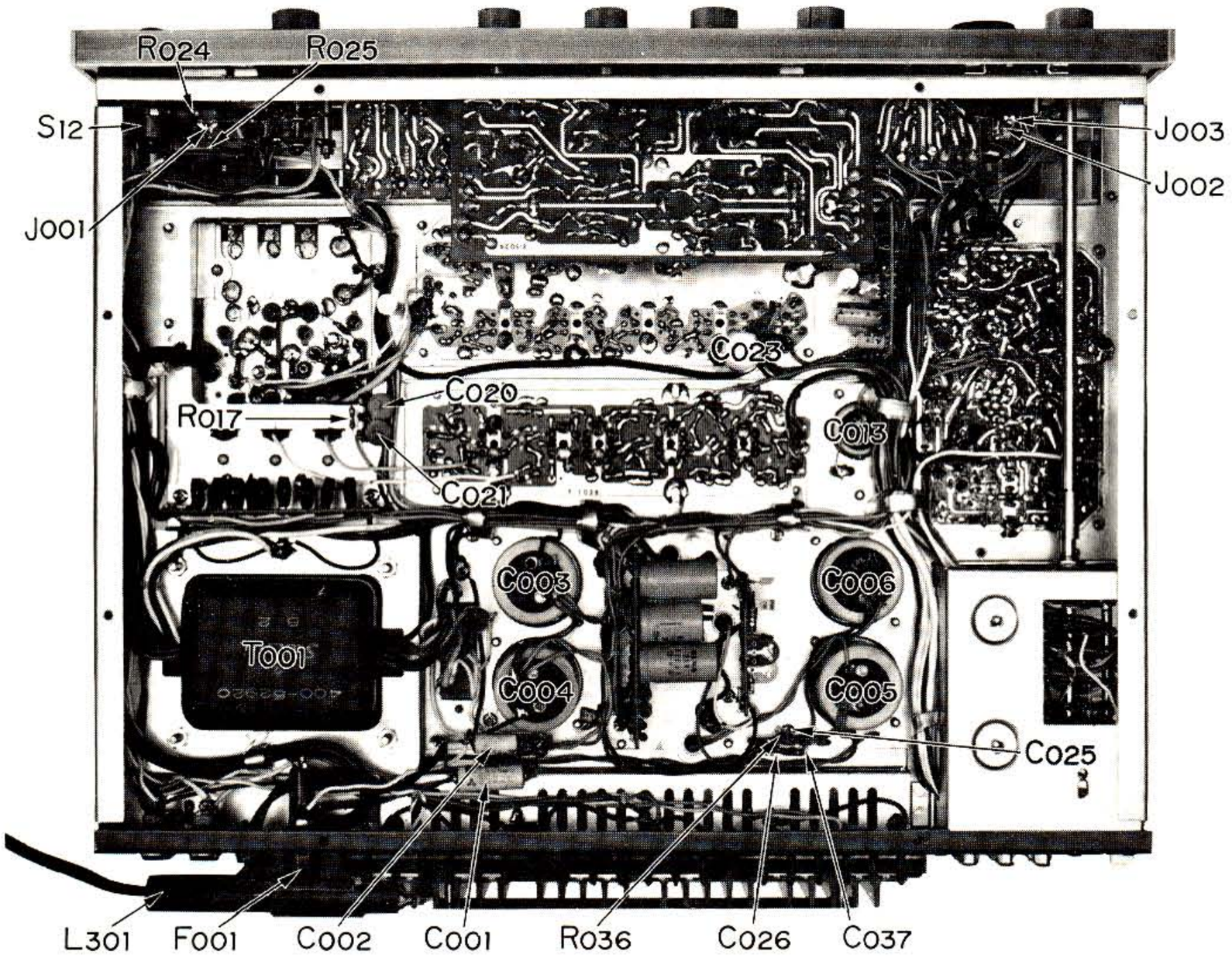
X	Y	Z
D001	SW-1-02 (031055)	
D002	SW-1-02 (031055)	
D003	SW-1-02 (031055)	
D004	SW-1-02 (031055)	
D005	SW-1-02 (031055)	
D006	SW-1-02 (031055)	
D007	SW-1-02 (031055)	
D008	SW-1-02 (031055)	

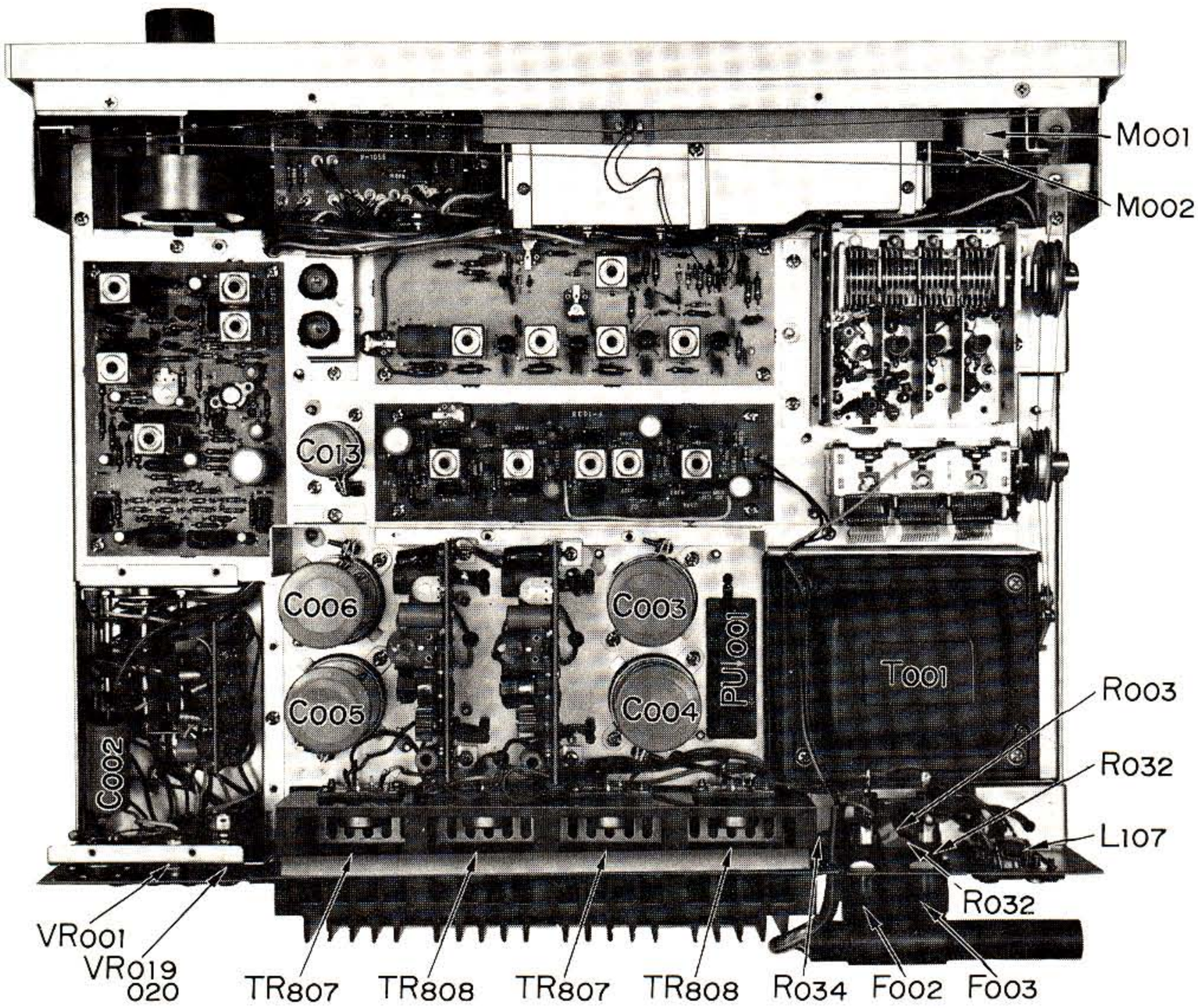
F-1041 〈PROTECTOR〉



X	Y	Z
R901	2.2Ω ¼W ±10% COMP. Fixed	
R902	10Ω ¼W ±10% COMP. Fixed	
R903	10Ω ¼W ±10% COMP. Fixed	
VR901	2KΩ (B) Semi-Variable	
VR902	2KΩ (B) Semi-Variable	
D901	1N60	
D902	1N60	
SCR901	2SF251	
TR901	2SC458 L (B)	
TR902	2SC458 L (B)	

OTHER PARTS CHART AND PARTS LIST





X : Parts No.
Y : Parts Name

X	Y				
R005	33KΩ	¼W	±10%	PREC. Fixed	
R006	33KΩ	¼W	±10%	PREC. Fixed	
R007	8.2KΩ	¼W	±10%	PREC. Fixed	
R008	8.2KΩ	¼W	±10%	PREC. Fixed	
R009	470KΩ	¼W	±10%	PREC. Fixed	
R010	470KΩ	¼W	±10%	PREC. Fixed	
R011	150KΩ	¼W	±10%	PREC. Fixed	
R012	150KΩ	¼W	±10%	PREC. Fixed	
R013	12KΩ	¼W	±10%	PREC. Fixed	
R014	12KΩ	¼W	±10%	PREC. Fixed	
R015	22KΩ	¼W	±10%	PREC. Fixed	
R016	1.5KΩ	¼W	±10%	PREC. Fixed	
R017	22KΩ	¼W	±10%	PREC. Fixed	
R018	22KΩ	¼W	±10%	PREC. Fixed	
R019	22KΩ	¼W	±10%	PREC. Fixed	
R020	22KΩ	¼W	±10%	PREC. Fixed	
R022	68KΩ	¼W	±10%	PREC. Fixed	
R023	68KΩ	¼W	±10%	PREC. Fixed	
R024	680Ω	1 W	±10%	Carbon Fixed	
R025	680Ω	1 W	±10%	Carbon Fixed	
R026	18Ω	¼W	±10%	PREC. Fixed	
R027	100KΩ	¼W	±10%	PREC. Fixed	
R028	100KΩ	¼W	±10%	PREC. Fixed	
R029	470KΩ	¼W	±10%	PREC. Fixed	
R030	470KΩ	¼W	±10%	PREC. Fixed	
R031	680Ω	¼W	±10%	PREC. Fixed	
R032	56Ω	¼W	±10%	PREC. Fixed	
R033	0.3Ω	5 W	±10%	WW	
R034	0.3Ω	5 W	±10%	WW	
R035	1KΩ	¼W	±10%	PREC. Fixed	
R036	6.8KΩ	¼W	±10%	PREC. Fixed	
R037	6.8KΩ	¼W	±10%	PREC. Fixed	
R038	180KΩ	¼W	±10%	PREC. Fixed	
R039	100KΩ	¼W	±10%	PREC. Fixed	
R040	15KΩ	¼W	±10%	PREC. Fixed	
R041	33KΩ	¼W	±10%	PREC. Fixed	
R042	33KΩ	¼W	±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	150 pF	±10%	50 VDCW.	Mc.	
C010	150 pF	±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	0.04μF	$^{+100}_{-0}$%	50 VDCW.	CER.	
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	70 pF	$^{+100}_{-0}$%	50 WV	CER.
C026	70 pF	$^{+100}_{-0}$%	50 WV	CER.
C027	3.3μF	±100%	25 WV	ELECT.
C028	3.3μF	±100%	25 WV	ELECT.
C029	3.3μF	±100%	25 WV	ELECT.
TR807,808	2SD118	Si N-P-N		
TR807,808	2SD118	Si N-P-N		
D004	IN60	Ge Diode		
D005	IN60	Ge Diode		
PL001	Protector indicator		25V 90mA	(040007)
PL002	Stereo Indicator Lamp		8V 150mA	(040005)
PL003	Power Indicator Lamp		6.3V 250mA	(040009)
PL004	Power Indicator Lamp		6.3V 250mA	(040009)
PL005	Tape Indicator Lamp		6.3V 250mA	(040009)
PL006	Phono Indicator Lamp		6.3V 250mA	(040009)
PL007	Dial Indicator Lamp		6.3V 250mA	(040009)
PL008	Dial Indicator Lamp		6.3V 250mA	(040009)
PL009	Dial Indicator Lamp		6.3V 250mA	(040009)
PL010	Dial Indicator Lamp		6.3V 250mA	(040009)
PL011	Dial Indicator Lamp		6.3V 250mA	(040009)
PL012	Aux Indicator Lamp		6.3V 250mA	(040009)
PL013	Needle Indicator Lamp		5V 60mA	(040010)
CO001	AC Outlet (245002)			
CO002	AC Outlet (245002)			
PU001	Line Voltage Controller (241008, 241009)			
M001	Tune Meter		100μA	(090012)
M002	Signal Meter		100μA	(090011)
L001	AM Ferrite Bar Antenna		240μH	(420014)
T001	Power Transformer (400025)			
F001	Power Fuse		5A	(043006)
F002	Quick Acting Fuse		5A	(043014)
F003	Quick Acting Fuse		5A	(043014)
S(1~10)	Selector (110504)			
S1a	Muting			
S2a	FM Stereo Only			
S3(a~b)	Tape Monitor A } (113007)			
S4(a~b)	Tape Monitor B }			
S5(a~b)	Reverse			
S6(a~b)	Mono			
S7(a~b)	Loudness			
S8(a~b)	HIGH Filter } (113007)			
S9(a~b)	Low Filter }			
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	}			

Sansui®

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