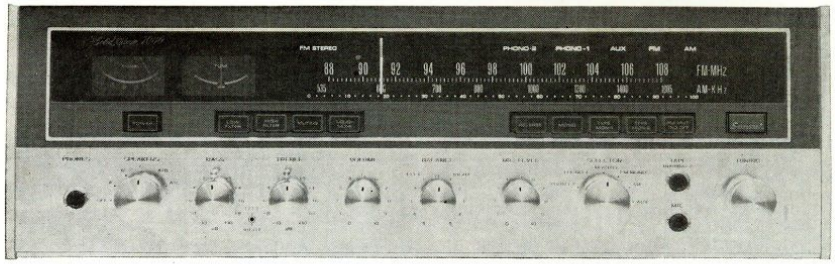
SERVICE MANUAL

SOLID-STATE AM/FM STEREO TUNER AMPLIFIER

SANSUI 7000



Sansui

SANSUI ELECTRIC COMPANY LIMITED

Your Sansui 7000 receiver is designed for trouble-free performance with a minimum of care. Should the receiver work unsatisfactorily, please refer to the section of this manual entitled 'General Trouble-shooting Chart' on pages 3 and 4. If you will be confronted with a trouble not covered in the chart, please contact your nearest Sansui dealer or Authorized Service Station.

For the man who can repair or replace the defective part himself
This manual includes a schematic wiring diagram and pictures identifying all of the electric and electronic parts. The parts list (pp. 13~24) gives the reference numbers and letters which are used in the illustrations of printed-circuit boards to identify each part. To remove the front panel, bottom board and wood case from the unit, refer to 'Disassembly Procedure (p. 5)'.

For the man who can align the tuner himself
The necessary steps for FM and AM alignments are given in the charts under the heading 'Alignment (pp. 9~12)'. Note that the alignment should be used only when really necessary and that the proper alignment requires use of precision instruments listed on the top of the chart. Never attempt to align unless such instruments are available.

For the man who wants to make a custom cabinet himself
Before mounting the 7000 in a custom cabinet or making such a cabinet, be sure to refer to the section entitled 'Custom Mounting (pp. 7~8)'.

If you have any questions regarding operation and service, please consult your nearest Sansui dealer or Authorized Service Station.

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VOLUME
BALANCE
MIC LEVEL
SELECTOR
TAPE
TUNING
MIC
Sansui

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 connection or loose terminal contacts. Check the speakers, record player, tape deck, antenna and line cord.

2. Improper operation. Before operating any audio component, be sure to read the manufacturer's instructions.

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

4. Defective audio components.

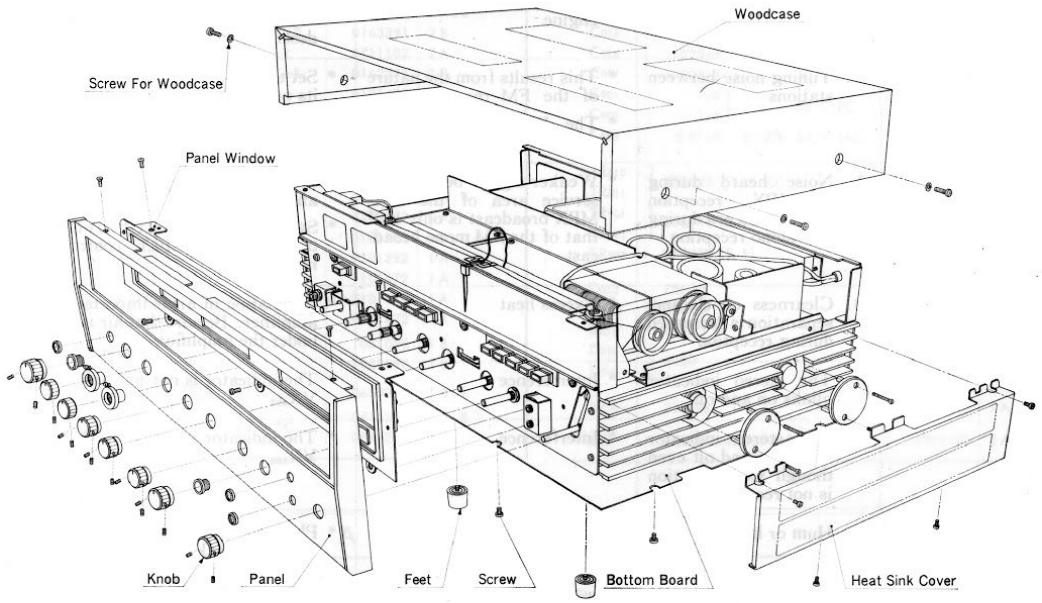
The following are some other common causes of malfunction and what to do about them.

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	* 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	* Install the antenna for maximum signal pickup
	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 SN ratio due to insufficient antenna input	* Install the antenna (supplied) 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 splitter, 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		

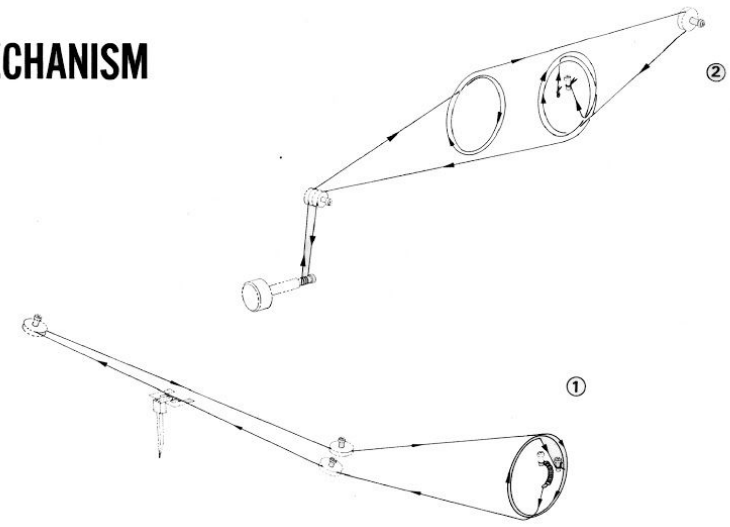
PROGRAM	SYMPTOM	PROBABLE CAUSE	WHAT TO DO
FM reception (cont'd)	B. A series of pops	* Ignition noise caused by starting of an automobile engine	* Install the antenna and its lead-in wire in proper distance from the road or raise the antenna input as described above
	C. Tuning noise between stations	* This results from the nature of the FM reception. * The FM MUTING OFF switch depressed	* Set the FM MUTING OFF switch to its up or on position
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_{403}
	D. The stereo indicator blinks on and off even though stereo station is not received	* Interference	* The indicator is not at fault, adjust VR_{403}
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 deck or the needle of the record player * Adjust the TREBLE control from midpoint, left * Switch the 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	* Depress the MONO switch and then set the BALANCE control to a position where equal sound comes from both channels * Check if the efficiency of one speaker is balanced with that of the other

DISASSEMBLY PROCEDURE

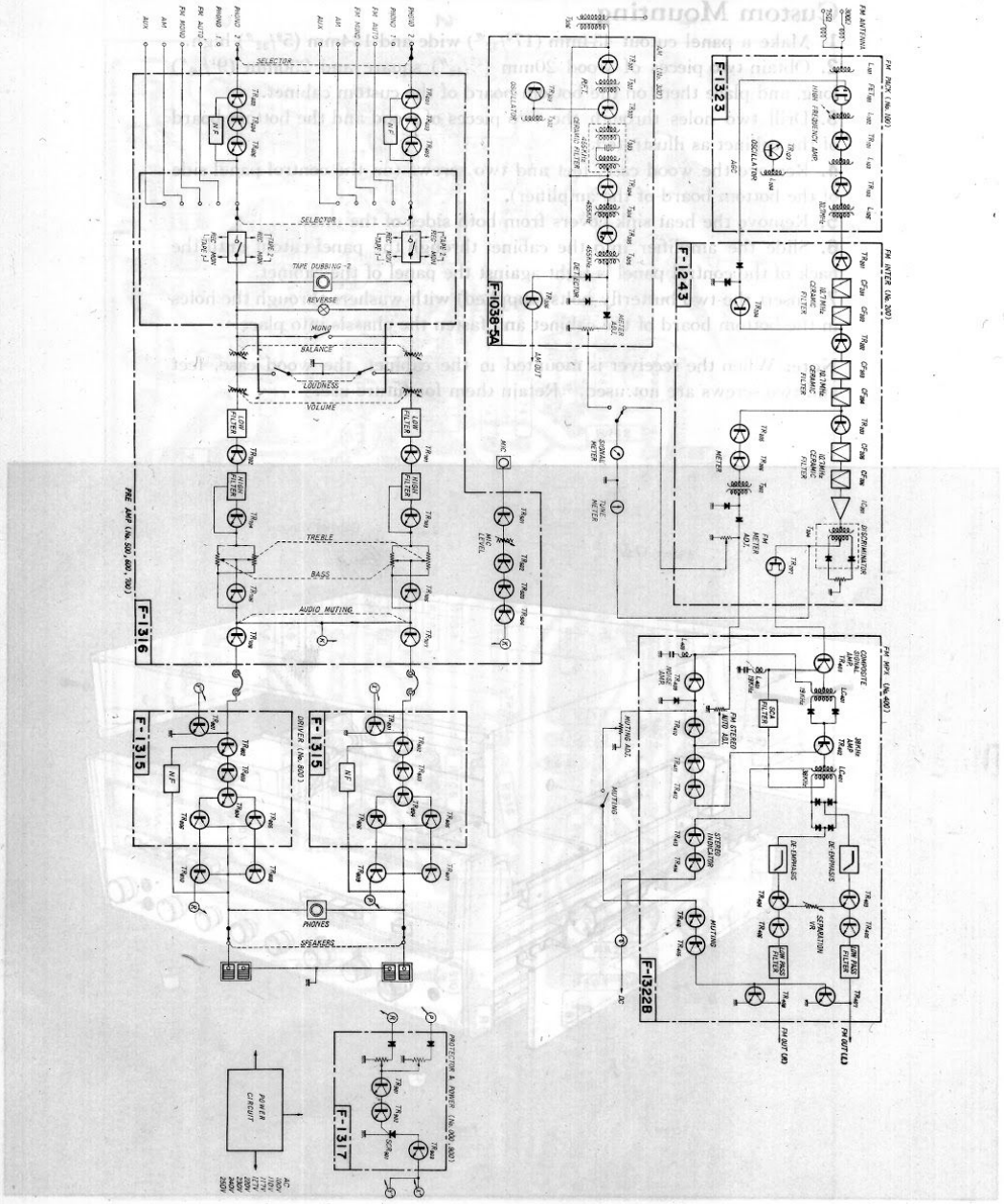
REMOVING THE FRONT PANEL, WOOD CASE AND BOTTOM BOARD



DIAL MECHANISM



BLOCK DIAGRAM

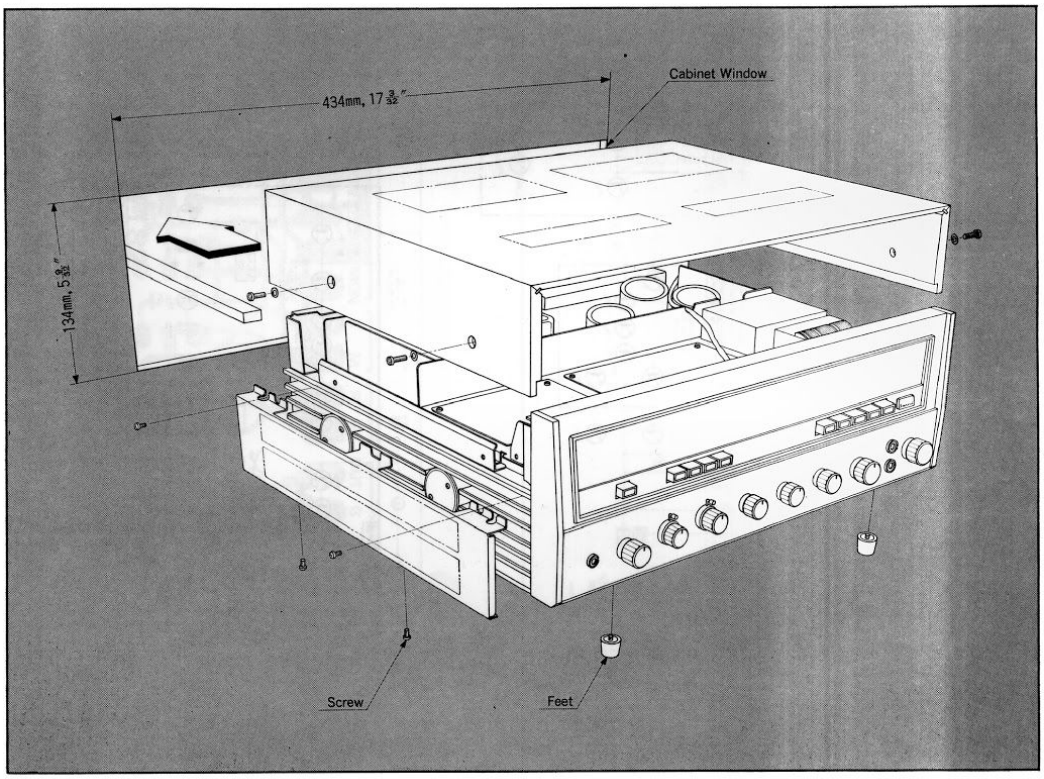


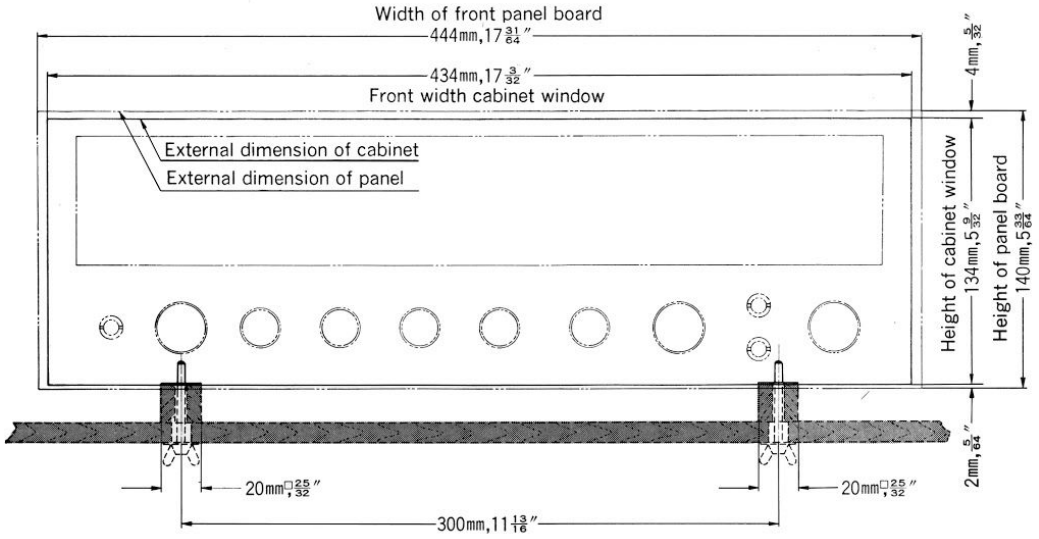
CUSTOM MOUNTING

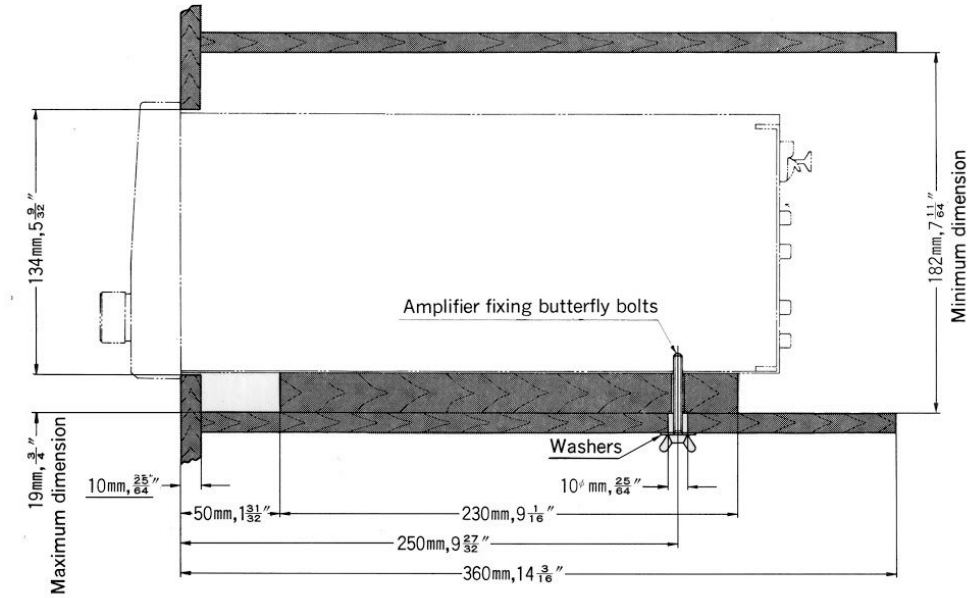
Custom Mounting

1. Make a panel cutout 434mm ($17^{3}/_{32}$″) wide and 134mm ($5^{9}/_{32}$″) high.
2. Obtain two pieces of wood 20mm ($^{25}/_{32}$″) square and 230mm ($9^{1}/_{16}$″) long, and place them on the bottom board of the custom cabinet.
3. Drill two holes through the two pieces of wood and the bottom board of the cabinet as illustrated.
4. Remove the wood case, feet and two screws (on the control panel side of the bottom board of the amplifier).
5. Remove the heat sink covers from both sides of the unit.
6. Slide the amplifier into the cabinet through the panel cutout until the back of the control panel is tight against the panel of the cabinet.
7. Insert the two butterfly bolts (supplied) with washers through the holes in the bottom board of the cabinet and fasten the chassis into place.

Note: When the receiver is mounted in the cabinet, the wood case, feet and two screws are not used. Retain them for future use.

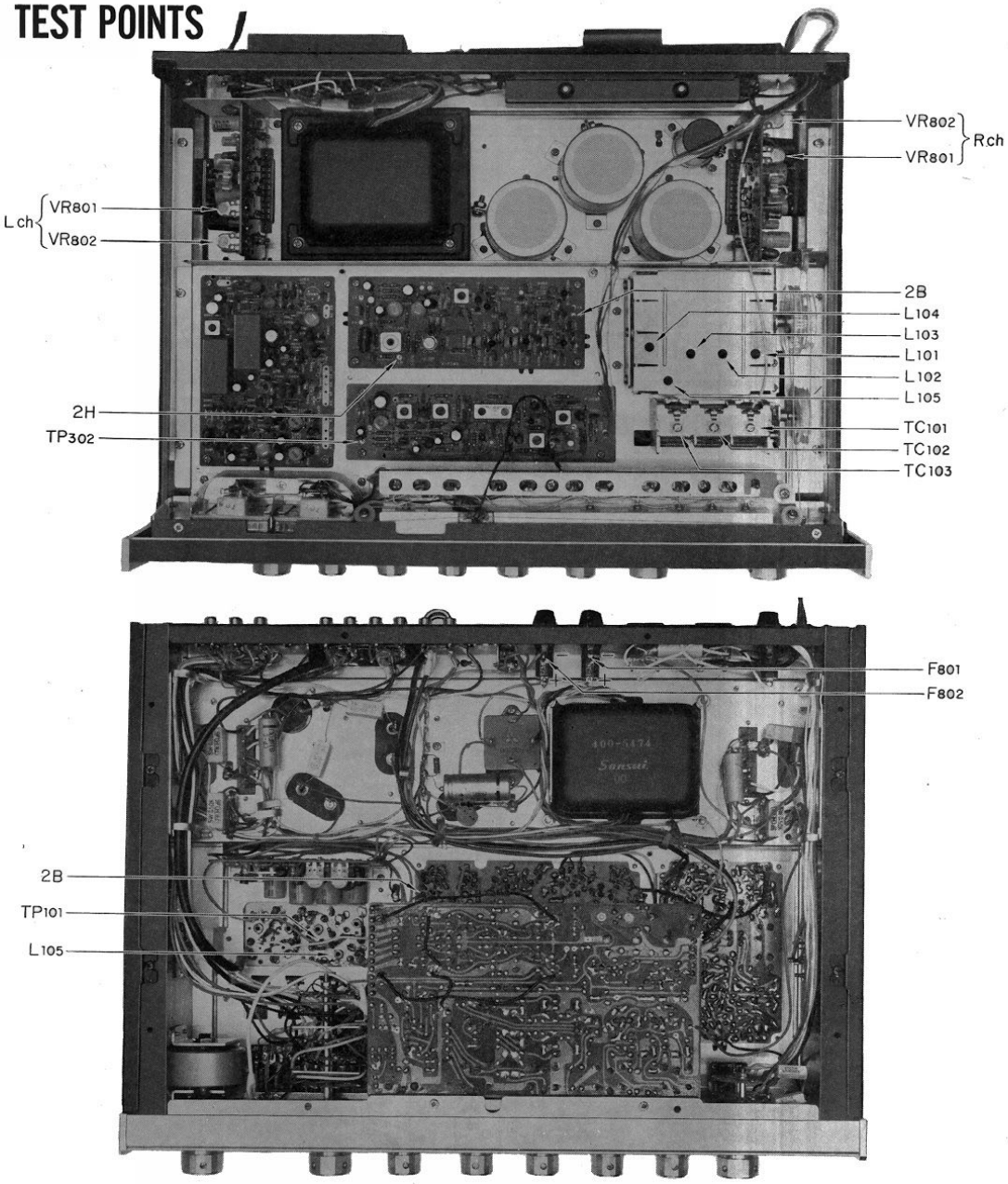



Width of front panel board
444mm,17 31/64"
434mm,17 3/32"
Front width cabinet window
External dimension of cabinet
External dimension of panel
4mm, 5/32"
Height of cabinet window
134mm,5 9/32"
Height of panel board
140mm,5 33/64"
2mm, 5/64"
20mm□25/32"
20mm□25/32"
300mm,11 13/16"


134mm,5 9/32"
Amplifier fixing butterfly bolts
182mm,7 11/64"
Minimum dimension
Washers
19mm, 3/4"
Maximum dimension
10mm, 25/64"
10mm, 25/64"
50mm,1 31/32"
230mm,9 1/16"
250mm,9 27/32"
360mm,14 3/16"

ALIGNMENT

TEST POINTS



FM ALIGNMENT PROCEDURE

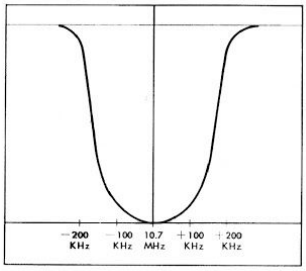
NOTE: To align, set the FM signal generator level to minimum.

Any internal parts replacement or changes you make in the 7000 requires proper adjustment again. Appropriate test points and adjustments are given on pages 9~12.

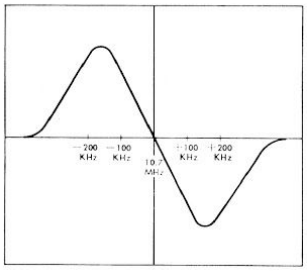
Equipment required: 1. Sweep Generator 2. Oscilloscope 3. FM Signal Generator 4. Multiplex Stereo Generator 5. AC V.T.V.M. 6. Audio Oscillator 7. AM Signal Generator 8. Distortion Meter

STEP	ALIGN	GENERATOR	FEED SIGNAL	OUTPUT INDICATOR	DIAL SETTING	ADJUST	ADJUST FOR
1.	IF Transformer	10.7MHz ±200 kHz Sweep generator	To TP_{101} via the 10pF ceramic capacitor	Oscilloscope is connected to 2B via the 10pF ceramic by using a detector probe		L_{105}	Best I.F. wave form
2.	Discriminator	10.7MHz ±200 kHz Sweep generator	To TP_{101} via the 10pF ceramic capacitor	Oscilloscope is connected to 2H (TP_{201}).		FM Discriminating transformer T_{201} primary and secondary	S curve
3.	O.S.C.	FM signal generator 88MHz 400Hz 100% Modulation	To antenna terminals	Oscilloscope and V.T.V.M. at output load	88 MHz	O.S.C. coil L_{104}	Maximum
4.	O.S.C.	FM signal generator 108MHz 400Hz 100% Modulation	To antenna terminals	Oscilloscope and V.T.V.M. at output load	108 MHz	O.S.C. trimmer TC_{104}	Maximum
5.	Repeat 3 and 4						
6.	RF Amp. Circuit	FM signal generator 90MHz 400Hz 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.	RF Amp. Circuit	FM signal generator 106MHz 400Hz 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.	Repeat 6 and 7						

FM IF WAVE FORM



FM DISCRIMINATOR WAVE FORM



ALIGNMENT

FM MULTIPLEX CIRCUIT

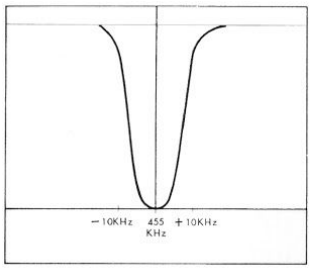
STEP	ALIGN	GENERATOR	FEED SIGNAL	OUTPUT INDICATOR	DIAL SETTING	ADJUST	ADJUST FOR
1.	19kHz phase	FM signal generator—98MHz Stereo signal generator—composite signal with pilot signal, left chan, 30% modulation.	To antenna terminal	Connect distortion meter to right chan. load terminal	98MHz	L_{401}	Min. distortion in right chan.
2.	Stereo separation	Same as above	Same as above	Connect oscilloscope and V.T.V.M. to load terminal	Same as above	VR_{401}	Max. separation

AM ALIGNMENT PROCEDURE

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

STEP	ALIGN	GENERATOR	FEED SIGNAL	OUTPUT INDICATOR	DIAL SETTING	ADJUST	ADJUST FOR
1.	IF. Transformer	455 kHz ±30 kHz Sweep-generator	Antenna terminals	Oscilloscope and V.T.V.M. at TP_{302}		I.F.T. T_{303}~T_{305}	Best IF 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 T_{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 cap. TC_{303}	Maximum
4.	Repeat 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 coil T_{306}	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.	Repeat 5, 6, 7, 8						

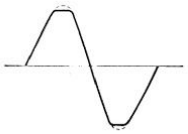
AM IF CHARACTERISTIC



1. CURRENT ADJUSTMENT

STEP	SETTING OF AMMETER (TESTER)	WHAT TO DO	NOTE
1.		Remove F_{801} and F_{802}.	Use an ammeter having 100mA range.
2.		Set VR_{802} (left and right channel) to minimum.	
3.		Set VR_{703} and VR_{704} (VOLUME) to minimum.	
4.		Push the POWER switch ON.	Be sure to switch on 1st and then connect the ammeter.
5.	100 mA range.	Connect the ammeter to F_{801} (See TEST POINTS).	
6.		Turn VR_{802} (left channel) clockwise and adjust current to 27 to 33mA.	
7.	100 mA range.	Push the POWER switch OFF and attach F_{801} in place.	
8.		Push the POWER switch ON and connect the ammeter to F_{802} (See TEST POINTS).	
9.		Turn VR_{802} (right channel) clockwise and adjust current to 27 to 33mA.	
10.		Attach F_{802} in place.	

2. OUTPUT ADJUSTMENT

STEP	WHAT TO DO	NOTE
1.	Adjust the volume control to minimum.	
2.	Set an oscillator to 1,000Hz and connect it to the LEFT AUX input.	The oscillator used should have the oscillation frequency of 20 to 20,000Hz and the output voltage of more than 200mV.
3.	Set the SELECTOR switch to AUX	Set other controls and switches as follows: BALANCE to CENTER TAPE MON to OFF MODE to STEREO TONE to CENTER Others to OFF
4.	Connect an 8- or 16-ohm load resistor having capacity of more than 80 watts to the LEFT SPEAKER output.	
5.	Connect an oscilloscope to the SPEAKER terminal.	
6.	Push the POWER switch on and advance the volume little by little. Check the output at the terminal by means of the oscilloscope.	
7.	Adjust VR_{801} (left channel) so that the fronts of sine wave are clipped simultaneously,	
8.	Adjust the right channel as above.	

PRINTED CIRCUIT BOARDS AND PARTS LIST

W: Parts No. **X:** Parts Name **Y:** Stock No. **Z:** Position of Parts

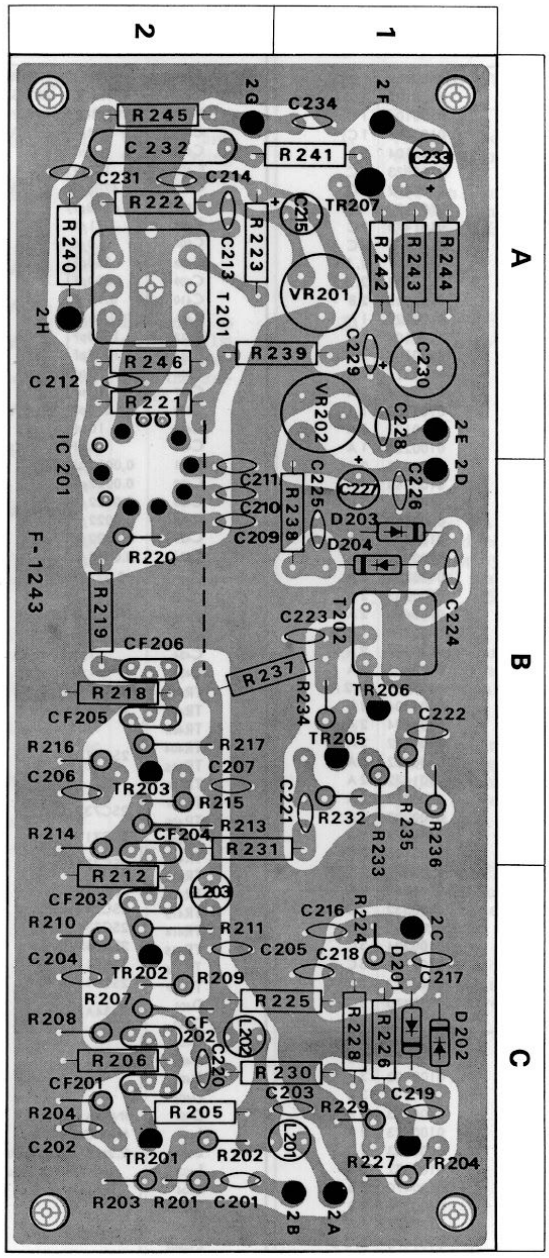
FM IF BLOCK ⟨F-1243⟩

W	X	Y	Z
R201	220Ω	0100221	2 C
R202	15kΩ	0100153	2 C
R203	4.7kΩ	0100472	2 C
R204	1kΩ	0100102	2 C
R205	390Ω	0101391	2 C
R206	680Ω	0101681	2 C
R207	3.3kΩ	0100332	2 C
R208	1.5kΩ	0100152	2 C
R209	220Ω	0100221	2 C
R210	1kΩ	0100102	2 C
R211	390Ω	0100391	2 C
R212	680Ω	0101681	2 C
R213	3.3kΩ	0100332	2 B
R214	1.5kΩ	0100152	2 B
R215	220Ω	0100221	2 B
R216	1kΩ	0100102	2 B
R217	390Ω	0100391	2 B
R218	680Ω	0101681	2 B
R219	270Ω	0101271	2 B
R220	56Ω	0100560	2 B
R221	390Ω	0101391	2 A
R222	1kΩ	0101102	2 A
R223	1kΩ	0101102	2 A
R224	270kΩ ±10% ¼W CR.	0100274	1 C
R225	100Ω	0101101	1, 2 C
R226	1.8kΩ	0101182	1 C
R227	330Ω	0100331	1 C
R228	10kΩ	0101103	1 C
R229	1.5kΩ	0100152	1 C
R230	680Ω	0101681	1, 2 C
R231	680Ω	0101681	1, 2 B
R232	22kΩ	0100223	1 B
R233	68Ω	0100680	1 B
R234	2.2kΩ	0100222	1 B
R235	1.2kΩ	0100122	1 B
R236	560Ω	0100561	1 B
R237	100Ω	0101101	1, 2 B
R238	4.7kΩ	0101472	1 B
R239	1kΩ	0101102	1, 2 A
R240	100Ω	0101101	2 A
R241	1kΩ	0101102	1, 2 A
R242	1MΩ	0101105	1 A
R243	1MΩ	0101105	1 A
R244	4.7kΩ	0101472	1 A
R245	10kΩ	0101103	2 A
R246	18kΩ	0101183	2 A
VR201	22kΩ (B)	1035150	1 A
VR202	47kΩ (B)	1035170	1 A
C201	0.022μF	0656223	2 C
C202	0.022μF	0656223	2 C
C203	0.022μF	0656223	1 C
C204	0.022μF +80 −20% 25 V CC.	0656223	2 C
C205	0.022μF	0656223	2 C
C206	0.022μF	0656223	2 B
C207	0.022μF	0656223	2 B

W	X	Y	Z
C209	0.022μF	0656223	2 B
C210	0.022μF +80 −20% 25 V CC.	0656223	2 B
C211	0.022μF	0656223	2 B
C212	0.039μF	0656393	2 A
C213	220pF ±10% 50 V CC.	0660221	2 A
C214	220pF	0660221	2 A
C215	10μF 25 V EC.	0513100	1 A
C216	0.022μF +80 −20% 25 V CC.	0656223	1 C
C217	47pF ±10% 50 V CC.	0660470	1 C
C218	0.022μF +80 −20% 25 V CC.	0656223	1 C
C219	47pF	0660470	1 C
C220	22pF ±10% 50 V CC.	0660220	2 C
C221	22pF	0660220	1 B
C222	0.022μF	0656223	1 B
C223	0.022μF +80 −20% 25 V CC.	0656223	1 B
C224	22pF	0660220	1 B
C225	22pF ±10% 50 V CC.	0660220	1 B
C226	0.022μF +80 −20% 25 V CC.	0656223	1 B
C227	3.3μF 50 V EC.	0515339	1 B
C228	0.022μF	0656223	1 A
C229	0.022μF +80 −28% 25 V CC.	0656223	1 A
C230	47μF 16 V EC.	0512470	1 A
C231	220pF ±10% 50 V CC.	0660221	2 A
C232	0.33μF ±10% 50 V MC.	0601338	2 A
C233	10μF 25 V EC.	0513100	1 A
C234	0.022μF +80 −20% 25 V CC.	0656233	1 A
TR201	2SC930 (D)	0305791	2 C
TR202		0305791	2 C
TR203		0305791	2 B
TR204		0305791	1 C
TR205		0305791	1 B
TR206		0305791	1 B
TR207	2SK24 (E, F)	0370060, 1	1 A
D201	IN60	0310331	1 C
D202		0310331	1 C
D203		0310331	1 B
D204		0310331	1 B
IC201	LA1111	0360050	2 A, B
T201	Discriminating Transformer	4235650	2 A
T202	Meter Coil	4235660	1 B
L201	3.3μH Micro Inductor	4900100	1 C
L202		4900100	2 C
L203		4900100	2 C
CF201	Ceramic Filter 10.7MHz	0910100, 1	2 C
CF202		0910100, 1	2 C
CF203		0910100, 1	2 C
CF204		0910100, 1	2 B
CF205		0910100, 1	2 B
CF206		0910100, 1	2 B

Abbreviations

CR	: Carbon Resistor	**AEC**	: Aluminum Solid Electrolytic Capacitor
SR	: Solid Resistor	**SC**	: Styrol Capacitor
CeR	: Cement Resistor	**CC**	: Ceramic Capacitor
MC	: Mylar Capacitor	**MiC**	: Mica Capacitor
EC	: Electrolytic Capacitor	**MPC**	: Metallized Paper Capacitor



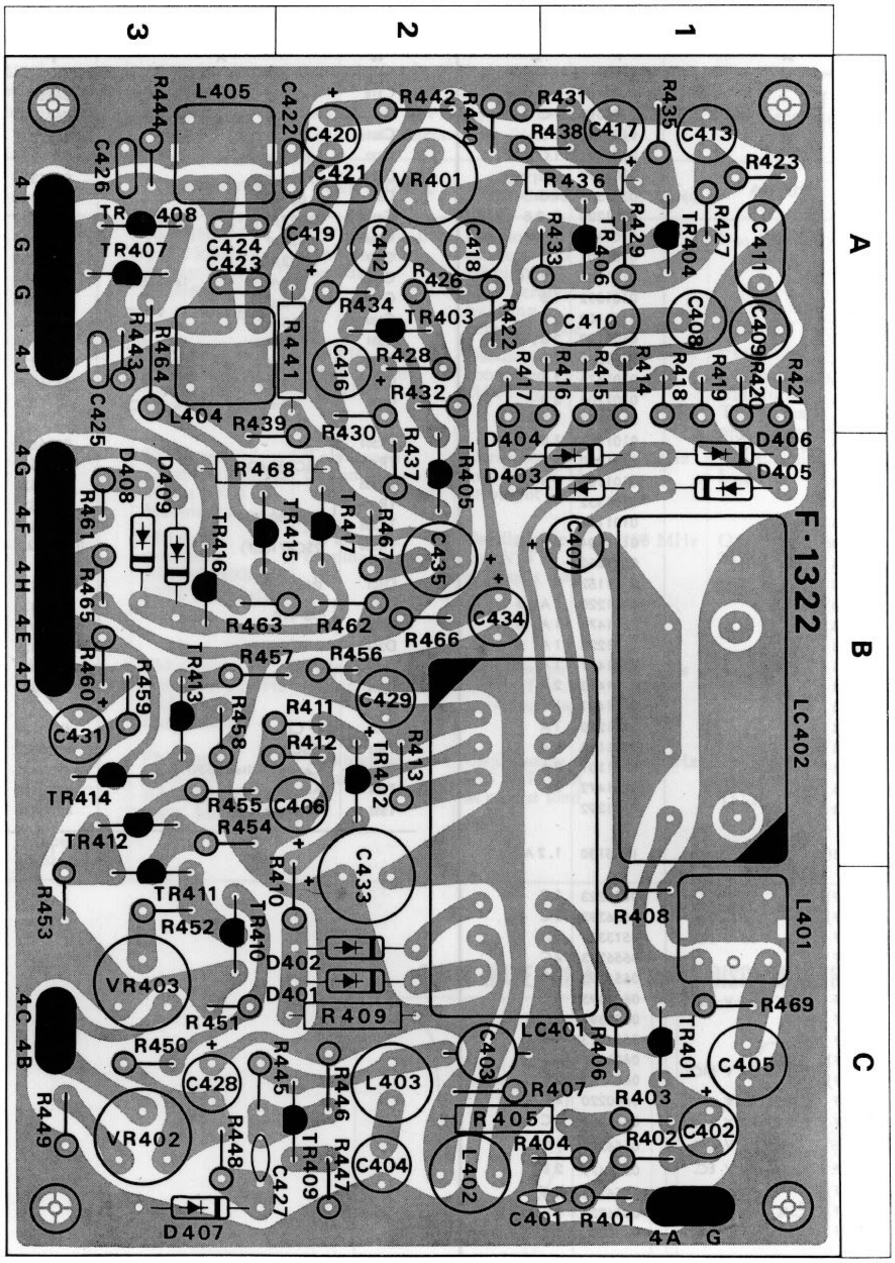
PRINTED CIRCUIT BOARDS AND PARTS LIST

W: Parts No. **X:** Parts Name **Y:** Stock No. **Z:** Position of Parts

FM MPX BLOCK 〈F-1322B〉

W	X	Y	Z
R401	1kΩ	0100102	1 C
R402	1kΩ	0100102	1 C
R403	100kΩ	0100104	1 C
R404	22kΩ	0100223	1 C
R405	100kΩ	0101104	2 A
R406	82kΩ	0100823	1 C
R407	6.8kΩ	0100682	2 C
R408	1.2kΩ	0100122	1 C
R409	47kΩ	0101473	2 C
R410	22kΩ	0100223	2 C
R411	100Ω	0100101	2, 3 B
R412	1.5kΩ	0100152	2, 3 B
R413	33kΩ	0100333	2 B
R414	220kΩ	0100224	1 A
R415	10kΩ	0100103	1 A
R416	10kΩ	0100103	1 A
R417	220kΩ	0100224	2 A
R418	220kΩ	0100224	1 A
R419	10kΩ	0100103	1 A
R420	10kΩ	0100103	1 A
R421	220kΩ	0100224	1 A
R422	56kΩ	0100563	2 A
R423	56kΩ	0100563	1 A
R426	10kΩ	0100103	2 A
R427	10kΩ	0100103	1 A
R428	100kΩ	0100104	2 A
R429	100kΩ	0100104	1 A
R430	33kΩ	0100333	2 A
R431	33kΩ	0100333	2 A
R432	68kΩ	0100683	2 A
R433	68kΩ	0100683	1, 2 A
R434	4.7kΩ ±10% ¼W CR.	0100472	2 A
R435	4.7kΩ	0100472	1 A
R436	100Ω	0101101	1, 2 A
R437	100kΩ	0100104	2 B
R438	100kΩ	0100104	2 A
R439	3.3kΩ	0100332	2 A, B
R440	3.3kΩ	0100332	2 A
R441	4.7kΩ	0101472	2 A
R442	4.7kΩ	0100472	2 A
R443	22kΩ	0100223	3 A
R444	22kΩ	0100223	3 A
R445	1MΩ	0100105	3 C
R446	3.3kΩ	0100332	2 C
R447	68Ω	0100680	2 C
R448	3.3kΩ	0100332	3 C
R449	22kΩ	0100223	3 C
R450	220kΩ	0100224	3 C
R451	100kΩ	0100104	3 C
R452	47kΩ	0100473	3 C
R453	47Ω	0100470	3 C
R454	47kΩ	0100473	3 B
R455	1kΩ	0100102	3 B
R456	10kΩ	0100103	2 B
R457	1kΩ	0100102	3 B
R458	3.9kΩ	0100392	3 B
R461	47kΩ	0100473	3 B
R462	47kΩ	0100473	2 B
R463	10kΩ	0100103	2, 3 B
R464	4.7kΩ	0100472	3 A
R465	47Ω	0100470	3 B
R466	220kΩ	0100224	2 B
R467	4.7kΩ	0100472	2 B
R468	47kΩ	0101473	2, 3 B

W	X	Y	Z
R469	150kΩ ±10% ¼W CR.	0101154	1 C
VR401	47kΩ(B) MPX Separation Adj.	1035170	2 A
VR403	220kΩ(B) FM Stereo Indicator Adj.	1035210	3 C
C401	68pF ±10% 50 V CC.	0660680	1, 2 C
C402	10μF 25 V EC.	0513100	1 C
C403	100pF	0620101	2 C
C404	4700pF ± 5% 50 V SC.	0620472	2 C
C405	6800pF	0620682	1 C
C406	1μF 50 V EC.	0515109	2, 3 B
C407	10μF 25 V EC.	0513100	1 B
C408	560pF	0620561	1 A
C409	560pF ± 5% 50 V SC.	0620561	1 A
C410	0.15μF	0601158	1 A
C411	0.15μF ±10% 50 V MC.	0601158	1 A
C412	1500pF	0620152	2 A
C413	1500pF ± 5% 50 V SC.	0620152	1 A
C416	10μF	0513100	2 A
C417	10μF 25 V EC.	0513100	1 A
C418	560pF ± 5% 50 V SC.	0620561	2 A
C419	10μF	0513100	2 A
C420	10μF 25 V EC.	0513100	2 A
C421	0.0022μF	0601226	2 A
C422	0.0022μF	0601226	2 A
C423	0.0022μF	0601226	3 A
C424	0.0022μF ± 5% 50 V MC.	0601226	3 A
C425	0.0022μF	0601226	3 A
C426	0.0022μF	0601226	3 A
C427	0.022μF $^{+80\%}_{-20\%}$ 50 V CC.	0650223	3 C
C428	0.68μF 25 V AEC.	0563688	3 C
C429	10μF 25 V EC.	0513100	2 B
C433	47μF 25 V EC.	0513470	2 B, C
C434	1μF 50 V EC.	0515100	2 B
C435	1μF 25 V AEC.	0563109	2 B
TR401	2SC871(F)	0305472	1 C
TR402	2SA562(Y)	0300221	2 B
TR403		0305472	2 A
TR404		0305472	1 A
TR405	2SC871(F)	0305472	1 A, B
TR406		0305472	1 A
TR407		0305370, 1	3 A
TR408	2SC733 (O, Y)	0305370, 1	3 A
TR409	2SC711 (E, F)	0305731, 2	2 C
TR410		0305370, 1	3 C
TR411	2SC733 (O, Y)	0305370, 1	3 B, C
TR412	2SC711 (G)	0305733	3 B
TR413	2SC711 (E, F)	0305731, 2	3 B
TR414	2SC735 (O, Y)	0305640, 1	3 B
TR415	2SA562 (O, Y)	0300220, 1	3 B
TR416	2SC711 (E, F)	0305731, 2	3 B
TR417	2SC711 (E, F)	0305731, 2	2 B
D401	IN34A	0310400	2 C
D402		0310400	2 C
D403		0310401	1, 2 B
D404	IN34A (Y)	0310401	1, 2 B
D405		0310401	1 B
D406		0310401	1 B
D407	IN34A	0310400	3 C
L401	MPX Coil	4240510	1 C
L402	2.2mH Micro Inductor	4900090	2 C
L403	1mH Micro Inductor	4900120	2 C
L404	MPX Coil	4240400	3 A
L405		4240400	3 A
LC401	MPX Coil	4240490	1, 2 B C
LC402		4240050	1 B

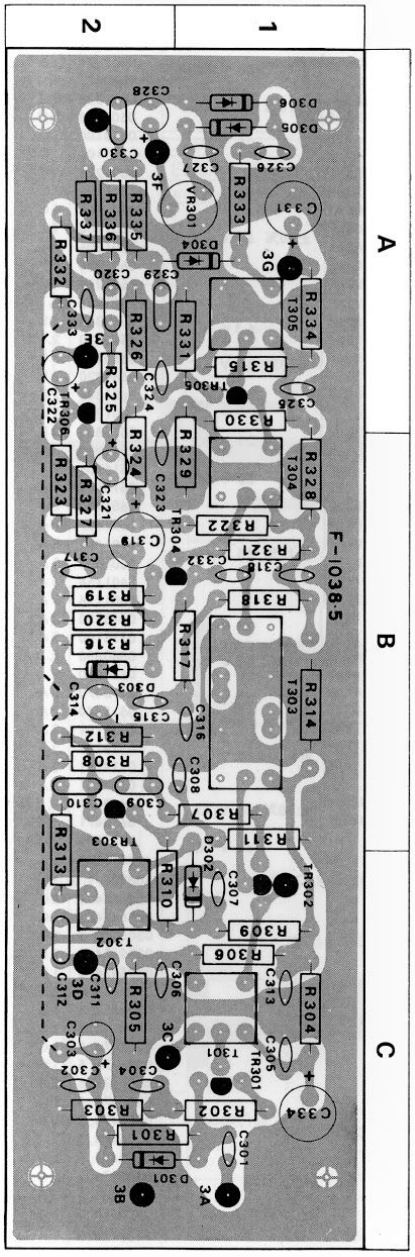

1
2
3
A
B
C
F·1322
LC402
LC401
L401
L402
L403
L404
L405
VR401
VR402
VR403
R401 R402 R403 R404 R405 R406 R407 R408 R409 R410
R411 R412 R413 R414 R415 R416 R417 R418 R419 R420
R421 R422 R423 R426 R427 R428 R429 R430 R431 R432
R433 R434 R435 R436 R437 R438 R439 R440 R441 R442
R443 R444 R445 R446 R447 R448 R449 R450 R451 R452
R453 R454 R455 R456 R457 R458 R459 R460 R461 R462
R463 R464 R465 R466 R467 R468 R469
C401 C402 C403 C404 C405 C406 C407 C408 C409 C410
C411 C412 C413 C416 C417 C418 C419 C420 C421 C422
C423 C424 C425 C426 C427 C428 C429 C431 C433 C434 C435
D401 D402 D403 D404 D405 D406 D407 D408 D409
TR401 TR402 TR403 TR404 TR405 TR406 TR407 TR408 TR409 TR410
TR411 TR412 TR413 TR414 TR415 TR416 TR417
4A G
4B 4C
4D 4E 4H 4F 4G
4J G G 4I

PRINTED CIRCUIT BOARDS AND PARTS LIST

W: Parts No. **X:** Parts Name **Y:** Stock No. **Z:** Position of Parts

AM BLOCK 〈F-1038-5A〉

W	X	Y	Z
R301	10kΩ	0101103	1, 2 C
R302	39Ω	0101390	1 C
R303	1kΩ	0101102	2 C
R304	100Ω	0101101	1 C
R305	3.9kΩ	0101392	2 C
R306	33kΩ	0101333	1 C
R307	22Ω	0101220	1, 2 B
R308	1kΩ	0101102	2 B
R309	100Ω	0101101	1 C
R310	22kΩ	0101223	2 B, C
R311	3.9kΩ	0101392	1 B
R312	1kΩ	0101102	2 B
R313	10Ω	0101100	2 B, C
R314	22Ω	0101220	1 B
R315	47kΩ	0101473	1 A
R316	10kΩ	0101103	2 B
R317	47kΩ	0101473	1 B
R318	100Ω ±10% ¼W CR.	0101101	1 B
R319	22Ω	0101220	2 B
R320	1kΩ	0101102	2 B
R323	3.3kΩ	0101332	
R324	100kΩ	0101104	
R325	100kΩ	0101104	2 A, B
R326	22kΩ	0101563	
R327	1.5kΩ	0101152	
R328	22Ω	0101220	1 A, B
R329	4.7kΩ	0101472	1 A, B
R330	22kΩ	0101223	1 A
R331	470Ω	0101471	1 A
R332	4.7kΩ	0101472	2 A
R333	470Ω	0101471	1 A
R334	22Ω	0101220	1 A
R335	1kΩ	0101102	2 A
R336	100Ω	0101101	2 A
R337	4.7kΩ	0101472	2 A
R338	3.9kΩ	0101392	
VR301	10kΩ(B)	1035130	1, 2 A
C301	0.022μF +80 −20% 25 V CC.	0656223	1 C
C302	0.039μF +80 −20% 25 V CC.	0656393	2 C
C303	3.3μF 25 V EC.	0513339	2 C
C304	0.022μF	0656223	2 C
C305	0.039μF	0656393	1 C
C306	0.039μF +80 −20% 25 V CC.	0656393	2 C
C307	0.039μF	0656393	
C308	0.022μF	0656223	1 B
C309	0.01μF ±10% 50 V MC.	0601107	2 B
C310	0.01μF ±10% 50 V MC.	0601107	2 B
C311	22 pF ±10% 50 V CC.	0660220	2 C
C312	430 pF ± 5 % 50 V MiC.	0640431	2 C
C313	0.022μF +80 −20% 25 V CC.	0656223	1 C
C314	4.7μF 16 V EC.	0512479	2 B
C315	0.022μF	0656223	2 B
C316	0.022μF +80 −20% 25 V CC.	0656223	1 B
C317	0.039μF	0656393	2 B
C318	0.022μF +80 −20% 25 V CC.	0656223	1 B
C320	0.02μF ±10% 50 V MC.	0601207	2 A
C321	3.3μF 25 V EC.	0513339	2 B
C322	0.02μF ±10% 50 V MC.	0601207	2 A
C323	0.039μF	0656393	2 B
C324	0.039μF	0656393	2 A
C325	0.022μF +80 −20% 25 V CC.	0656223	1 A
C326	0.022μF	0656223	1 A
C327	0.022μF	0656223	1 A
C328	10μF 16 V EC.	0512100	2 A
C329	0.012μF ±10% 50 V MC.	0601127	2 A
C330	0.015μF ±10% 50 V MC.	0601157	2 A
C331	100μF 16 V EC.	0512101	1 A
C332	0.022μF +80 −20% 25 V CC.	0656223	1 B
C333	0.039μF +80 −20% 25 V CC.	0656393	2 A
C334	33μF 16 V EC.	0512330	1 C
TR301		0305530	1 C
TR302	2SC380 (O)	0305530	1 C
TR303		0305530	2 B
TR304		0305530	1, 2 B
TR305	2SC380 (R)	0305530	1 A
TR306	2SC871(E,F)	0305474,5	1 A
D301	IN60	0310330	1, 2 C
D302	DS-410	0340030	1 C
D303		0340030	2 B
D304		0310330	1, 2 A
D305	IN60	0310330	1 A
D306		0310330	1 A
T301	RF Coil	4210100	1 C
T302	OSC Coil	4220300	2 C
T303	Ceramic Filter 455kHz	4230440	1 B
T304	AM IFT	4230480	1 B
T305	Detector Coil	4230470	1 A



PRE-AMPLIFIER BLOCK 〈F-1316〉

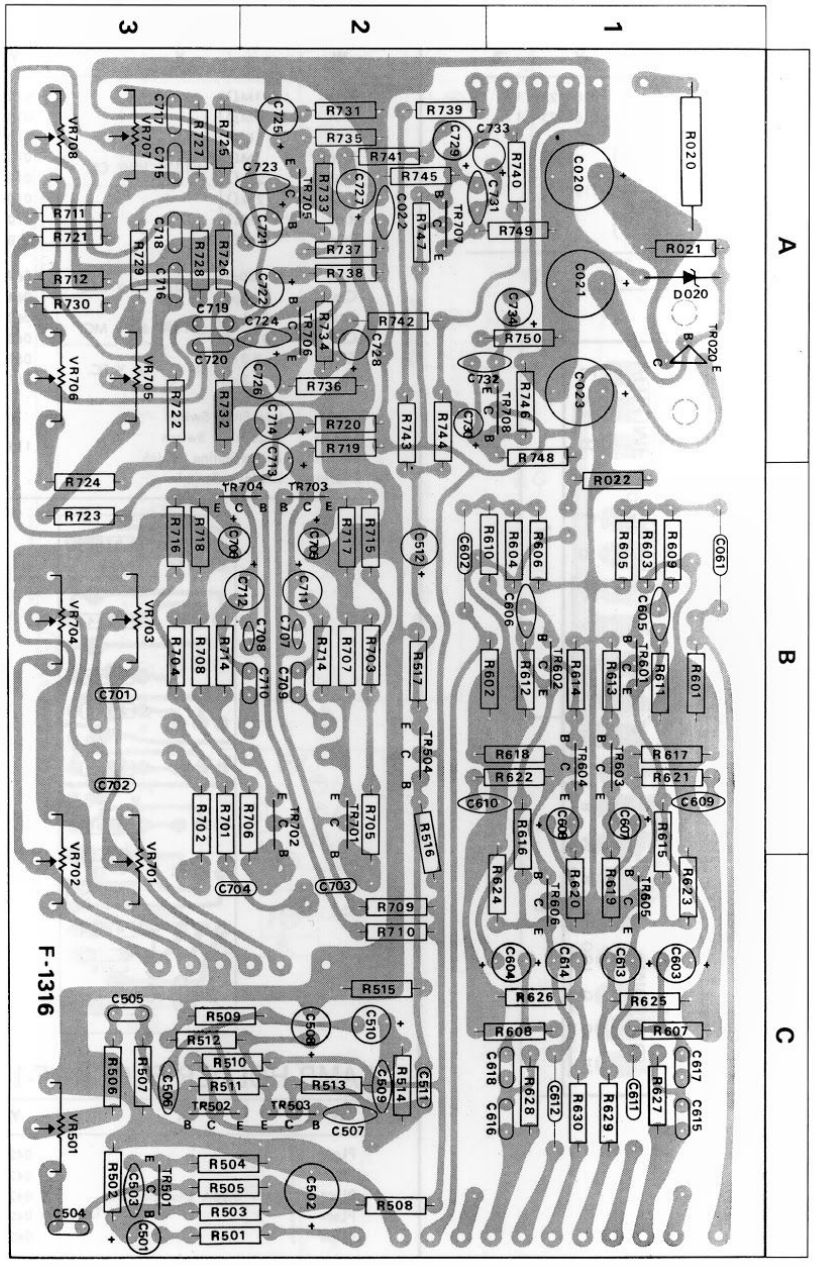
W	X	Y	Z
R020	470Ω ±10% 2 W CeR.	0162471	1 A
R021	820Ω ±10W ½W SR.	0111821	1 A
R022	680Ω ±10W ½W SR.	0111681	1 B
R501	2.2kΩ	0101222	2, 3 C
R502	10kΩ	0101103	3 C
R503	330kΩ	0101334	2, 3 C
R504	1kΩ	0101102	2, 3 C
R505	68kΩ	0101683	2, 3 C
R506	2.2kΩ	0101222	3 C
R507	220kΩ	0101224	3 C
R508	1kΩ	0101102	2 C
R509	470Ω	0101471	2, 3 C
R510	68kΩ	0101683	2, 3 C
R511	560kΩ	0101564	2, 3 C
R512	2.2kΩ	0101222	2, 3 C
R513	8.2kΩ	0101822	2 C
R514	33kΩ	0101333	2 C
R515	470kΩ	0101474	2 C
R516	820kΩ	0101824	2 B, C
R517	3.9kΩ	0101392	2 B
R601	100kΩ	0101104	1 B
R602	100kΩ	0101104	1, 2 B
R603	100kΩ	0101104	1 B
R604	100kΩ	0101104	1 B
R605	560kΩ	0101564	1 B
R606	560kΩ	0101564	1 B
R607	470Ω	0101471	1 C
R608	470Ω	0101471	1, 2 C
R609	3.3kΩ	0101332	1 B
R610	3.3kΩ	0101332	1, 2 B
R611	39kΩ	0101393	1 B
R612	39kΩ	0101393	1 B
R613	22kΩ	0101223	1 B
R614	22kΩ ±10% ¼W CR.	0101223	1 B
R615	470kΩ	0101474	1 B, C
R616	470kΩ	0101474	1 B, C
R617	82kΩ	0101823	1 B
R618	82kΩ	0101823	1, 2 B
R619	3.3kΩ	0101332	1 B, C
R620	3.3kΩ	0101332	1 B, C
R621	180Ω	0101181	1 B
R622	180Ω	0101181	1, 2 B
R623	10kΩ	0101103	1 B, C
R624	10kΩ	0101103	1 B, C
R625	33kΩ	0101333	1 C
R626	33kΩ	0101333	1 C
R627	33kΩ	0101333	1 C
R628	33kΩ	0101333	1 C
R629	1kΩ	0101102	1 C
R630	1kΩ	0101102	1 C
R701	1kΩ	0101102	3 B, C
R702	1kΩ	0101102	3 B, C
R703	68kΩ	0101683	2 B
R704	68kΩ	0101683	3 B
R705	47kΩ	0101473	2 B, C
R706	47kΩ	0101473	2 B, C
R707	1kΩ	0101102	2 B
R708	1kΩ	0101102	3 B
R709	100kΩ	0101104	2 C
R710	100kΩ	0101104	2 C
R711	150kΩ	0101154	3 A
R712	150kΩ	0101154	3 A
R713	8.2kΩ	0101822	2 B
R714	8.2kΩ	0101822	3 B

PRINTED CIRCUIT BOARDS AND PARTS LIST

W: Parts No. **X:** Parts Name **Y:** Stock No. **Z:** Position of Parts

W	X	Y	Z
R715	270kΩ	0101274	2 B
R716	270kΩ	0101274	3 B
R717	2.7kΩ	0101272	2 B
R718	2.7kΩ	0101272	3 B
R719	8.2kΩ	0101822	2 A
R720	8.2kΩ	0101822	2 A
R721	10kΩ	0101103	3 A
R722	10kΩ	0101103	3 A
R723	6.8kΩ	0101682	3 B
R724	6.8kΩ	0101682	3 B
R725	22kΩ	0101223	3 A
R726	22kΩ	0101223	3 A
R727	10kΩ	0101103	3 A
R728	10kΩ	0101103	3 A
R729	6.8kΩ	0101682	3 A
R730	6.8kΩ	0101682	3 A
R731	150kΩ	0101154	2 A
R732	150kΩ	0101154	3 A
R733	390kΩ ±10% 1/4W CR.	0101394	2 A
R734	390kΩ	0101394	2 A
R735	560Ω	0101561	2 A
R736	560Ω	0101561	2 A
R737	5.6kΩ	0101562	2 A
R738	5.6kΩ	0101562	2 A
R739	3.3kΩ	0101332	2 A
R740	3.3kΩ	0101332	1 A
R741	47kΩ	0101473	2 A
R742	47kΩ	0101473	2 A
R743	120kΩ	0101124	2 A, B
R744	120kΩ	0101124	2 A, B
R745	820kΩ	0101824	2 A
R746	820kΩ	0101824	1 A
R747	470kΩ	0101474	2 A
R748	470kΩ	0101474	1 A, B
R749	3.9kΩ	0101392	1, 2 A
R750	3.9kΩ	0101392	1 A
VR501	30kΩ(B) Mic Level Control	1000270	3 C
VR701,702	250kΩ(MN) Balance Control	1010720, 1	3 B, C
VR703,704	250kΩ(B)×2 Volume Control	1010730, 1	3 B
VR705,706	100kΩ×2 Treble Control	1020110	3 A
VR707,708	88kΩ×2 Bass Control	1020100	3 A
C020	220μF 50 V EC.	0515221	1 A
C021	220μF 50 V EC.	0515221	1 A
C022	0.022μF +80 −20% 50 V CC.	0657223	2 A
C023	220μF 50 V EC.	0515221	1 A
C501	1μF 50 V EC.	0515109	3 C
C502	100μF 25 V EC.	0513101	2 C
C503	100pF ±10% 50 V CC.	0601607	3 C
C504	0.06μF ±10% 50 V MC.	0706016	3 C
C505	0.03μF ±10% 50 V MC.	0601307	3 C
C506	100pF ±10% 50 V CC.	0660101	3 C
C507	100pF ±10% 50 V CC.	0660101	2 C
C508	47μF 10 V EC.	0511470	2 C
C509	68pF ±10% 50 V CC.	0660680	2 C
C510	10μF 50 V EC.	0515100	2 C
C511	0.022μF ±10% 50 V MC.	0601227	2 C
C512	1μF RN 50 V EC.	0519101	2 B
C601	0.33μF ±10% 50 V MC.	0601338	
C602	0.33μF ±10% 50 V MC.	0601338	2 B
C603	47μF 10 V EC.	0511470	1 C
C604	47μF 10 V EC.	0511470	1 C
C605	33pF ±10% 50 V CC.	0660330	1 B
C606	33pF ±10% 50 V CC.	0660330	1 B
C607	33μF 6.3 V EC.	0510330	1 B

W	X	Y	Z
C608	33μF 6.3 V EC.	0510330	1 B
C609	470pF ±10% 50 V CC.	0660471	1 B
C610	470pF ±10% 50 V CC.	0660471	1, 2 B
C611	0.33μF ±10% 50 V MC.	0601338	1 C
C612	0.33μF ±10% 50 V MC.	0601338	1 C
C613	10μF 25 V EC.	0513100	1 C
C614	10μF 25 V EC.	0513100	1 C
C615	0.0022μF	0601226	1 C
C616	0.0022μF	0601226	1 C
C617	0.006μF	0601606	1 C
C618	0.006μF	0601606	1 C
C701	0.008μF ±10% 50 V MC.	0601806	3 B
C702	0.008μF	0601806	3 B
C703	0.22μF	0601228	2 C
C704	0.22μF	0601228	2, 3 C
C705	33μF 6.3 V EC.	0510330	2 B
C706	33μF 6.3 V EC.	0510330	2, 3 B
C707	22pF ±10% 50 V CC.	0660220	2 B
C708	22pF ±10% 50 V CC.	0660220	2 B
C709	0.008μF 50 V MC.	0601806	2 B
C710	0.008μF 50 V MC.	0601806	2 B
C711	33μF 25 V EC.	0513330	2 B
C712	33μF 25 V EC.	0513330	2, 3 B
C713	1μF 50 V EC.	0515109	2 A, B
C714	1μF 50 V EC.	0515109	2 A
C715	0.04μF	0601407	3 A
C716	0.04μF	0601407	3 A
C717	0.04μF	0601407	3 A
C718	0.04μF ±10% 50 V MC.	0601407	3 A
C719	0.0015μF	0601156	3 A
C720	0.0015μF	0601156	3 A
C721	10μF 25 V EC.	0513100	2 A
C722	10μF 25 V EC.	0513100	2 A
C723	68pF ±10% 50 V CC.	0660680	2, 3 A
C724	68pF ±10% 50 V CC.	0660680	2, 3 A
C725	47μF 6.3 V EC.	0515470	2 A
C726	47μF 6.3 V EC.	0515470	2 A
C727	1μF	0519101	2 A
C728	1μF	0519101	2 A
C729	1μF RN 50 V EC.	0519101	2 A
C730	1μF	0519101	2 A
C731	470pF ±10% 50 V CC.	0660471	1, 2 A
C732	470pF ±10% 50 V CC.	0660471	1, 2 A
C733	1μF 50 V EC.	0515109	1, 2 A
C734	1μF 50 V EC.	0515109	1 A
TR020	2SD223 (R, O, Y)	0308230, 1, 2	1 A
TR501		0305474, 5	3 C
TR502		0305474, 5	3 C
TR503	2SC871R (E, F)	0305474, 5	2 C
TR504		0305474, 5	2 B
TR601		0305474, 5	1 B
TR602		0305474, 5	1 B
TR603	XA495BL(C,D)	0300162, 3	1 B
TR604		0300162, 3	1 B
TR605		0305474, 5	1 C
TR606		0305474, 5	1 C
TR701		0305474, 5	2 B
TR702		0305474, 5	2 B
TR703	2SC871R (E, F)	0305474, 5	2 B
TR704		0305474, 5	2, 3 B
TR705		0305474, 5	2 A
TR706		0305474, 5	2 A
TR707		0305474, 5	2 A
TR708		0305474, 5	1 A
D020	ZBI-25	0310710	1 A

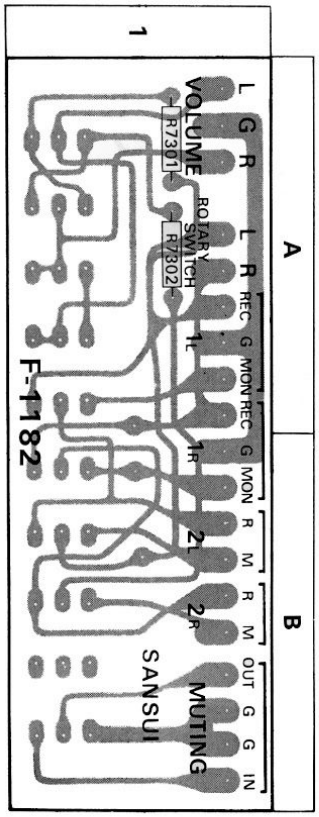

1
2
3
A
B
C
F-1316

PRINTED CIRCUIT BOARDS AND PARTS LIST

W: Parts No. **X:** Parts Name **Y:** Stock No. **Z:** Position of Parts

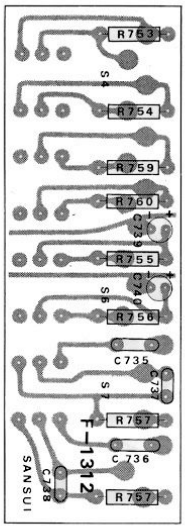
ACCESSORY SWITCH BLOCK ⟨F-1182⟩

W	X	Y	Z
R7301 R7302	12kΩ ±10% ¼W CR.	0101123 0101123	1 A 1 A
S2	FM Muting Off Switch		
S8 (a, b)	Tape Monitor 1 Switch		
S9 (a, b)	Tape Monitor 2 Switch	1130310	
S10(a, b)	Reserve Switch		
S11(a, b)	Mono Switch		



4P SWITCH BLOCK ⟨F-1312⟩

W	X	Y	Z
R753	1MΩ	0101105	
R754	1MΩ	0101105	
R755	1MΩ	0101105	
R756	1MΩ	0101105	
R757	27kΩ ±10% ¼W CR.	0101273	
R758	27kΩ	0101273	
R759	1MΩ	0101105	
R760	1MΩ	0101105	
C735	180pF ±10% 50 V MiC	0641181	
C736	180pF	0641181	
C737	0.01μF ±10% 50 V MC.	0601107	
C738	0.01μF	0601107	
C739	3.3μF RN 50 V EC.	0519102	
C740	3.3μF	0519102	
S4(a, b)	Low Filter Switch		
S5(a, b)	High Filter Switch		
S6(a, b)	Audio Muting Switch	1130300	
S7(a, b)	Loudness Switch		



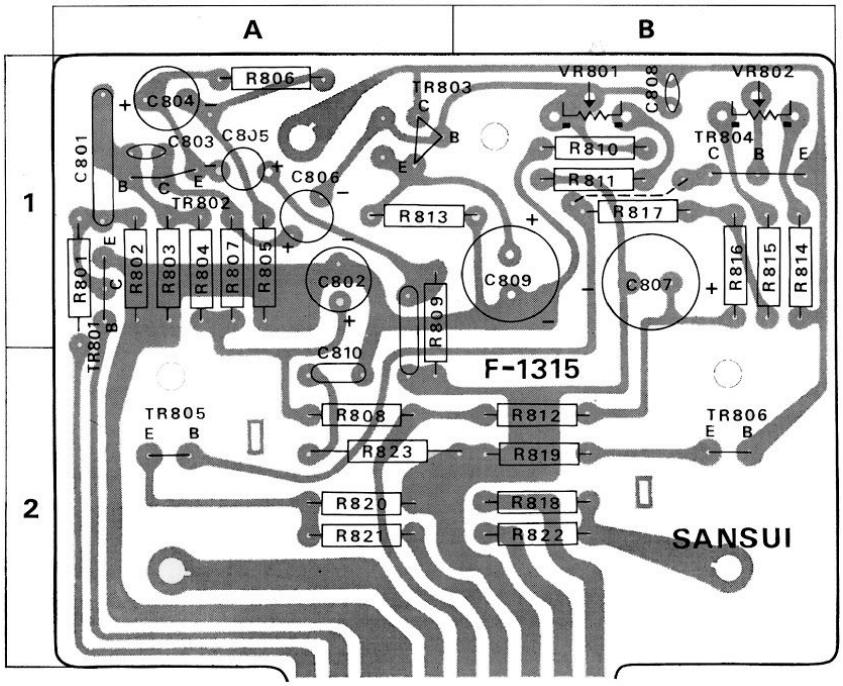
LAMP HOLDER BLOCK ⟨F-1205⟩

W	X	Y	Z
PL001		0420020	
PL002		0420020	
PL003	6.3 V 0.25A Dial Indicator Lamp F Type	0420020	
PL004		0420020	
PL005		0420020	

DRIVER BLOCK 〈F-1315〉

W	X		Y	Z
R801	10kΩ		0101103	1 A
R802	470kΩ		0101474	1 A
R803	270kΩ		0101274	1 A
R804	560kΩ		0101564	1 A
R805	100Ω		0101101	1 A
R806	2.2kΩ	±10% ¼W CR.	0101222	1 A
R807	3.9kΩ		0101392	1 A
R808	33kΩ		0101333	2 A
R809	3.3kΩ		0101332	1, 2 A
R810	10kΩ		0101103	1 B
R811	100kΩ		0101104	1 B
R812	680Ω	±10% ½W SR.	0111681	2 B
R813	220Ω		0101221	1 A, B
R814	1.5kΩ	±10% ¼W CR.	0101152	1 B
R815	3.3kΩ		0101332	1 B
R816	6.8kΩ	±10% ½W SR.	0111682	1 B
R817	39Ω	±10% ¼W CR.	0101390	1 B
R818	220Ω		0111221	2 B
R819	10Ω		0111100	2 B
R820	220Ω	±10% ½W SR.	0111221	2 A
R821	6.8Ω		0111689	2 A
R822	6.8Ω		0111689	2 B

W	X		Y	Z
R823	4.7Ω	±10W 2 W CeR.	0152479	2 A, B
VR801	100kΩ(B)	AC Balance Adj.	1033141	1 B
VR802	1kΩ(B)	DC Balance Adj.	1033051	1 B
C801	0.33μF	±10% 50 V MC.	0601338	1 A
C802	100μF	25 V EC.	0513101	1 A
C803	100pF	±10% 50 V CC.	0660101	1 A
C804	220μF	6.3 V EC.	0510221	1 A
C805	4.7μF	50 V EC.	0515479	1 A
C806	3.3μF	±20% 25 V AEC.	0563339	1 A
C807	100μF	50 V EC.	0515101	1 B
C808	100pF	±10% 50 V CC.	0660101	1 B
C809	470μF	6.3 V EC.	0510471	1 B
C810	0.1μF	±10% 50 V MC.	0601108	2 A
TR801	2SC711 (E, F)		0305731, 2	1 A
TR802	2SC871R (F)		0305475	1 A
TR803	2SC627 (3)		0305582	1 A
TR804	2SC984 (C)		0305872	1 B
TR805	2SC680 Blue (B, C)		0305621, 2	2 A
TR806	2SA566 (B, C)		0300151, 2	2 B



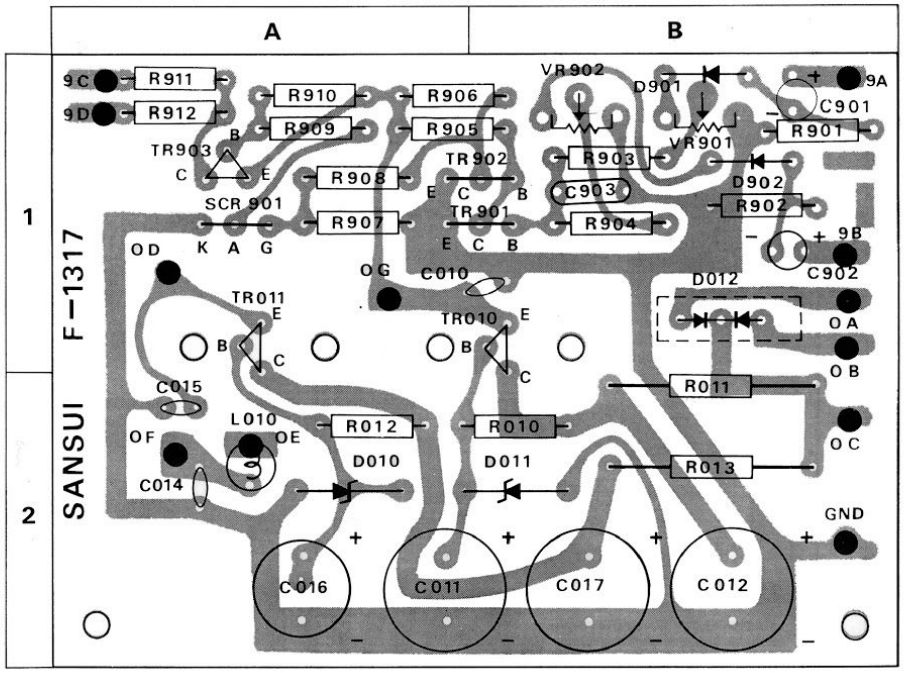
PRINTED CIRCUIT BOARDS AND PARTS LIST

W: Parts No. **X:** Parts Name **Y:** Stock No. **Z:** Position of Parts

POWER AND PROTECTOR BLOCK 〈F-1317〉

W	X	Y	Z
R010	820Ω ±10% ½W SR.	0111821	2 A, B
R011	390Ω ±10% 3 W CeR.	0163391	2 B
R012	1kΩ ±10% ½W SR.	0111102	2 A
R013	270Ω ±10% 2 W CeR.	0162271	2 B
R901	4.7kΩ	0101471	1 B
R902	4.7kΩ	0101471	1 B
R903	4.7kΩ	0101471	1 B
R904	4.7kΩ	0101471	1 B
R905	47kΩ	0101473	1 A, B
R906	10kΩ	0101103	1 A, B
R907	1kΩ ±10% ¼W CR.	0101102	1 A
R908	12kΩ	0101123	1 A
R909	3.9kΩ	0101392	1 A
R910	4.7kΩ	0101472	1 A
R911	4.7kΩ	0101472	1 A
R912	4.7kΩ	0101472	1 A
VR901	5kΩ(B)	1031090	1 B
VR902	5kΩ(B)	1031090	1 B
C010	0.022μF +80% −20% 50 V CC.	0650223	1 A, B
C011	220μF 50 V EC.	0515221	2 A, B
C012	220μF 50 V EC.	0515221	2 B

W	X	Y	Z
C014	0.022μF +80% −20% 50 V CC.	0650223	2 A
C015	0.022μF +80% −20% 50 V CC.	0650223	2 A
C016	220μF 25 V EC.	0513221	2 A
C017	220μF 50 V EC.	0515221	2 B
C901	1μF 50 V EC.	0515109	1 B
C902	1μF 50 V EC.	0515109	1 B
C903	0.01μF ±10% 50 V MC.	0601107	1 B
TR010	2SD223 (O, Y, G)	0308230, 1, 2	1 B
TR011	2SD223 (O, Y, G)	0308230, 1, 2	1 A
TR901	2SC711 (E, F)	0305731, 2	1 A, B
TR902	2SC711 (E, F)	0305731, 2	1 A, B
TR903	2SA628 (E, F)	0300282, 3	1 A
D010	ZBI-12	0310641	2 A
D011	ZBI-25	0310710	2 A, B
D012	10DC1	0310680	1 B
D901	IN60	0310331	1 B
D902	IN60	0310331	1 B
SCR901	2SF656	0350020	1 A
L010	Micro Inductor 3.3μH	4900100	2 A



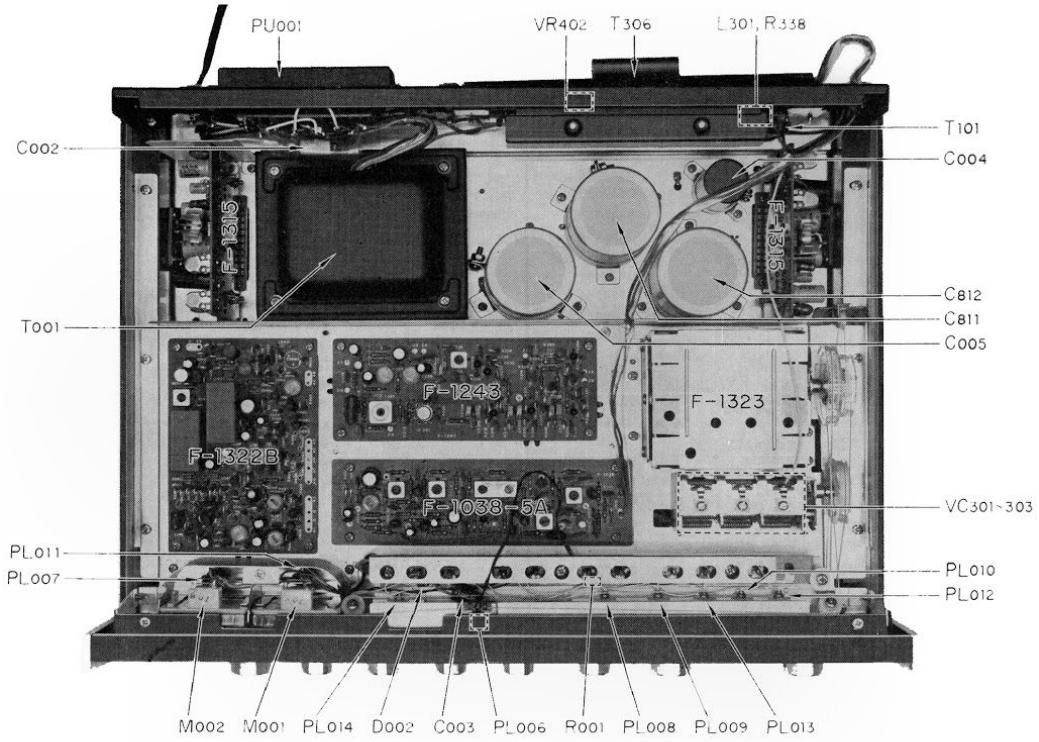
OTHER PARTS AND THEIR POSITION ON CHASSIS

W: Parts No. **X:** Parts Name **Y:** Stock No.

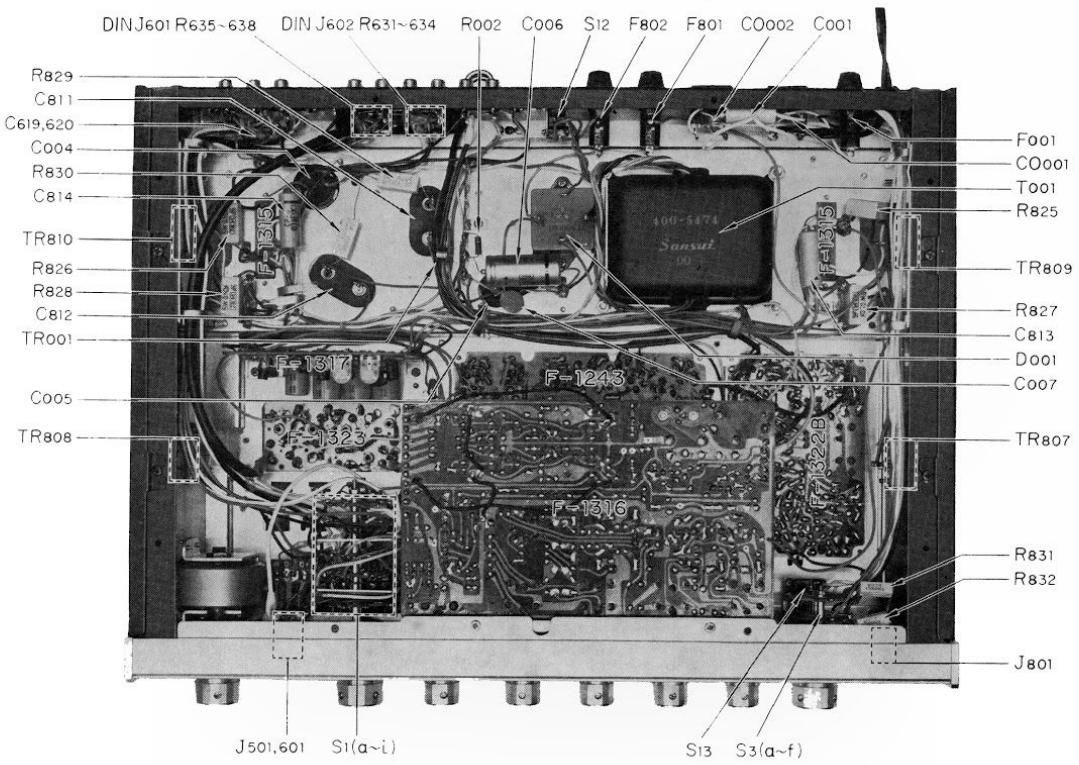
W	X	Y
R001	18Ω } ±10% ½W SR.	0111180
R002	12kΩ }	0111123
R032	47Ω } ±10% ¼W CR.	0101470
R033	2.2kΩ }	0101222
R034	4.7Ω ±10% 2W CeR.	0162479
R247	680kΩ	0101684
R338	100Ω	0101101
R527	10Ω	0101100
R631	470kΩ	0101474
R632	470kΩ	0101474
R633	100kΩ	0101104
R634	100kΩ	0101104
R635	470kΩ } ±10% ¼W CR.	0101474
R636	470kΩ	0101474
R637	100kΩ	0101104
R638	100kΩ	0101104
R640	100Ω	0101101
R641	100Ω	0101101
R761	39kΩ	0101394
R762	39kΩ	0101394
R825	0.7Ω	0157688
R826	0.7Ω	0157688
R827	0.7Ω } ±10% 7W CeR.	0157688
R828	0.7Ω	0157688
R829	150Ω } ±10% 5W CeR.	0155151
R830	150Ω }	0155151
R831	470Ω } ±10% 2W CeR.	0162471
R832	470Ω }	0162471
VR402	100kΩ(B) Muting Adjustor	1005042
C001	0.033μF } 600V OC.	0591337
C002	0.0047μF }	0591476
C003	220μF 10V EC.	0511221
C004	1000μF 50V EC.	0559302
C005	3300μF } 100V EC.	0559831
C006	100μF }	0507101
C007	0.01μF +80 −20% 500V CC.	0659011
C032	220μF 50V EC.	0515221
C235	0.022μF +80 −20% 50V CC.	0657223
C619,620	0.047μF×4 50V CC.	0800121
C739	3.3μF RN 50V EC.	0519102
C740	3.3μF RN 50V EC.	0519102
C811	2200μF } 80V EC.	0559830
C812	2200μF }	0559830
C813	0.1μF } 250V MPC.	0592108
C814	0.1μF }	0592108
VC301~303	3 Gang AM Variable Condenser	1200020
TR001	2SC627(3)	0305582
TR807	2SC1116(R,O,Y)	0305840, 1, 2
TR808		0305840, 1, 2
TR809		0305840, 1, 2
TR810		0305840, 1, 2
D001	DS10BN-M	0310920
D002	SRIFM2	0310870
S1(a~j)	Selector Switch Y-5-14-6	1105070, 1
S3(a~f)	Speakers Switch Y-2-2-6	1102260, 1

W	X	Y
S12	Power Limiter Switch	1160100
S13	Power Switch	1130350
J501	Microphone Jack	2430110
DIN J601	DIN Jack	2430040
DIN J602		2430040
J601	Tape Recording Jack	2430110
J801	Headphones Jack	2430010
PU001	Voltage Selector Plug	2410170
	Main Voltage Selector Plug	2410180
	Sub Voltage Selector Plug	2410190
CO001	AC Outlet	2450040
CO002		2450040
T001	Power Transformer 400-5474	4000910
T101	Balun 75Ω : 300Ω	4290021
T306	AM Bar Antenna	4300380
L301	Micro Inductor 100μH	4900110
M001	Tune Meter ±100μA	4300320
M002	Signal Meter 200μA	4300310
PL006	5V 0.06A Needle Indicator	0400100
PL007	7V 0.2A Signal Meter Lamp	0400150
PL008	6V 0.1A Phono 2 Indicator	0400160
PL009	6V 0.1A Phono 1 Indicator	0400160
PL010	7V 0.2A Tune Meter Lamp	0400150
PL011	6V 0.1A FM Indicator	0400160
PL012	6V 0.1A AM Indicator	0400160
PL013	6V 0.1A AUX Indicator	0400160
F001	3A Fuse (220~250V)	0431260
	5A Fuse (100~127V)	0431280
F801	5A Quick Acting Fuse	0433280
F802		0433280
F-1323	FM Front End	7510400

OTHER PARTS AND THEIR POSITION ON CHASSIS



* Manufacturer reserves right to change design and/or specifications without notice for purpose of improvement.



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