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.

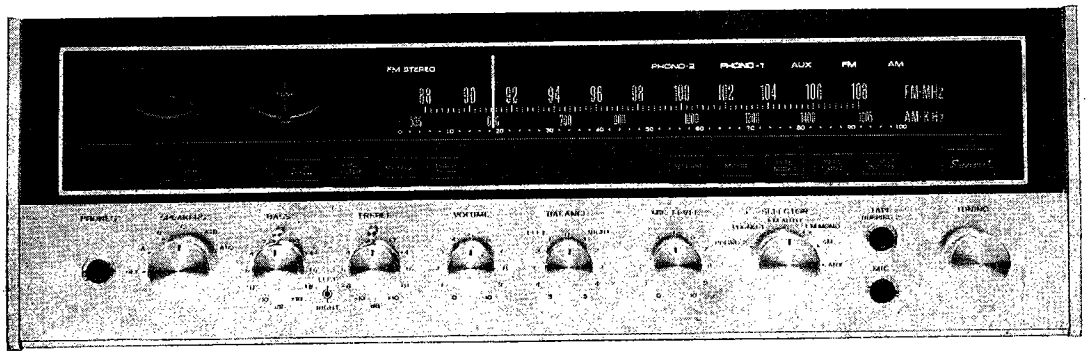
# CONTENTS

30

# SERVICE MANUAL

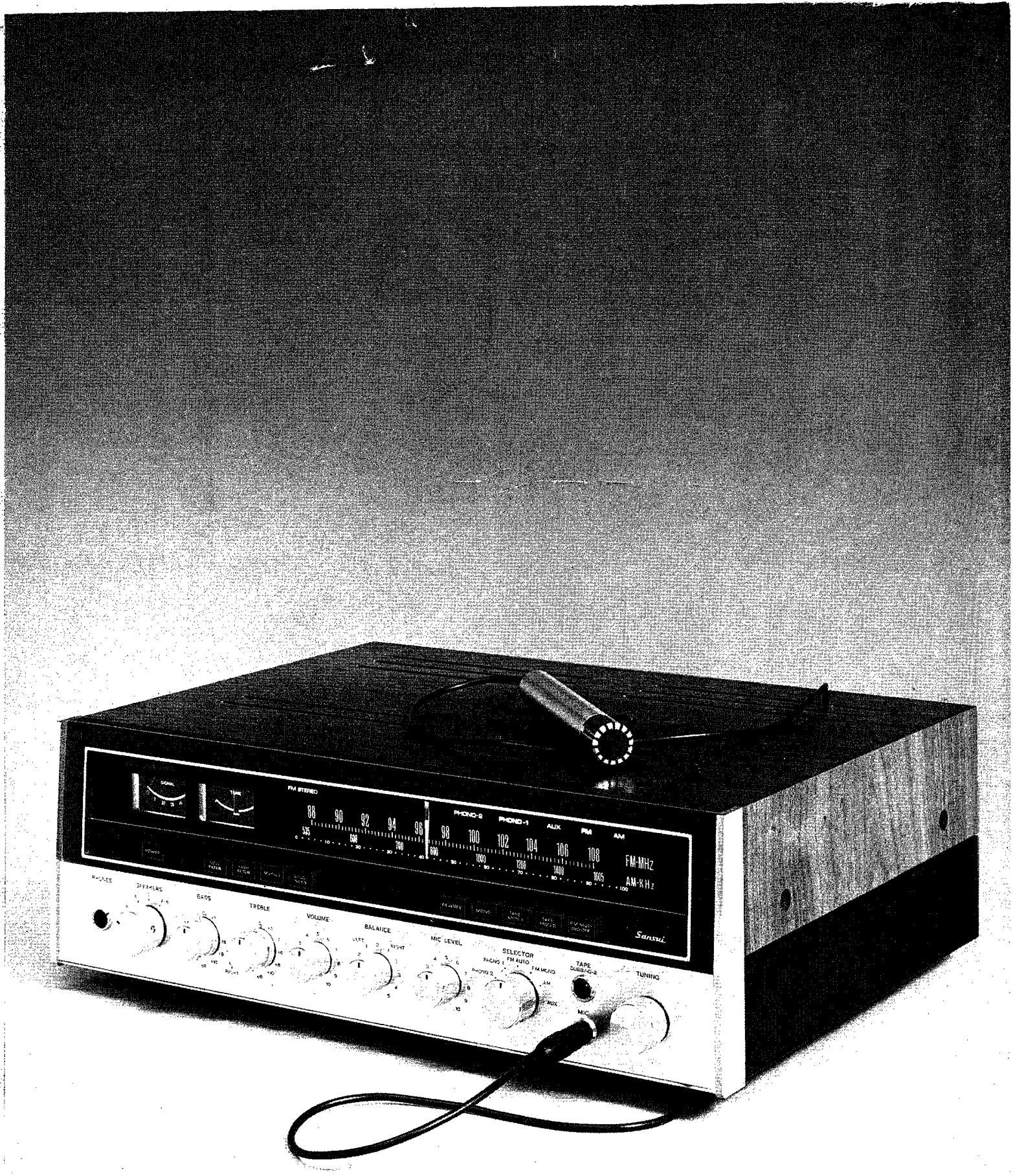
## SOLID-STATE AM/FM STEREO TUNER AMPLIFIER

# SANSUI 7000




Sansui

SANSUI ELECTRIC COMPANY LIMITED


FM STEREO
88
90
92
94
96
98
100
102
104
106
108
FM-MHz
AM-KHz
PHONO-2
PHONO-1
AUX
FM
AM
PHONES
SPEAKERS
BASS
TREBLE
VOLUME
BALANCE
MIC LEVEL
SELECTOR
TAPE
TUNING
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.

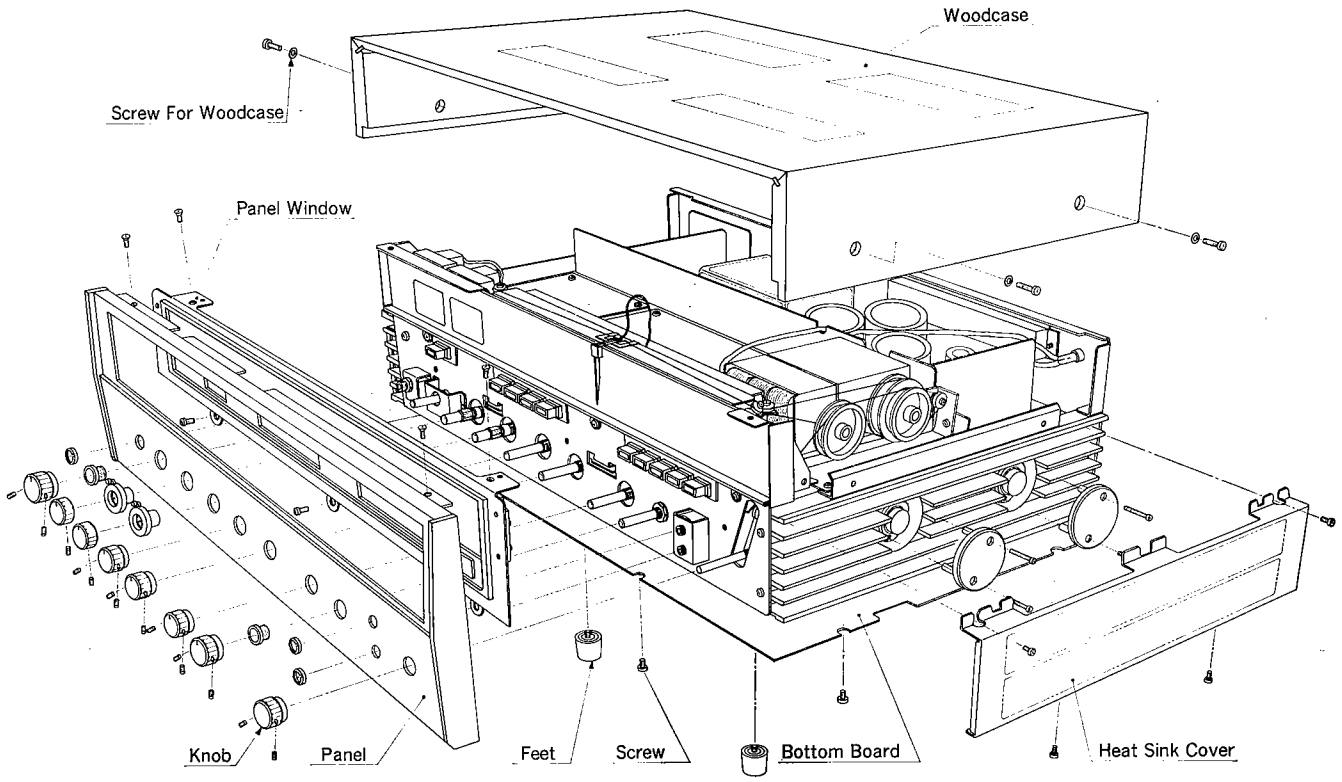
The following are some other common causes of malfunction and what to do about them.

| 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<br>* Natural phenomena, such as atmospheric, static or thunderbolts<br>* Insufficient antenna input due to ferroconcrete wall or long distance from the station<br>* 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<br>* Install an outdoor antenna and ground the amplifier to raise the signal-to-noise ratio<br>* Reverse the power cord plug-receptacle connections<br>* If the noise occurs at a certain frequency, attach a wave trap to the ANT. input<br>* 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<br>* 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<br>* 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<br>* 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<br>* 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<br>* 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 | | |

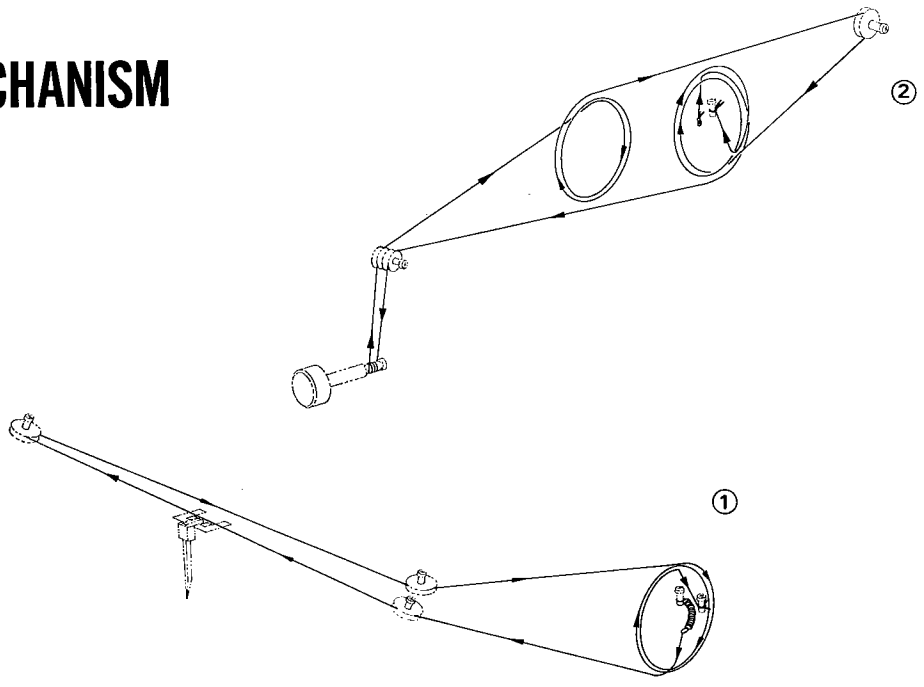
| PROGRAM | SYMPTOM | PROBABLE CAUSE | WHAT TO DO |
|---|---|---|---|
| FM reception (cont'd) | B. A series of pops | * Ignition noise caused by starting of an automobile engine | * Install the antenna and its lead-in wire in proper distance from the road or raise the antenna input as described above |
| | C. Tuning noise between stations | * This results from the nature of the FM reception.<br>* 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<br>* 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<br>* Wire other than shielded wire used<br>* Loose terminal contact<br>* Shielded wire too close to line cord, fluorescent lamp or other electrical appliances<br>* 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<br>* The connecting shielded wire should be as short as possible<br>* Switch on the LOW FILTER and adjust the BASS control from midpoint, left<br>* Consult the nearest Radio Regulatory Bureau |
| | B. Surface noise | * Worn or old record<br>* Worn needle<br>* Needle dusty<br>* Improper needle pressure | * Recondition the playback head of the tape deck or the needle of the record player<br>* Adjust the TREBLE control from midpoint, left<br>* 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<br>* Check if the efficiency of one speaker is balanced with that of the other |

# DISASSEMBLY PROCEDURE

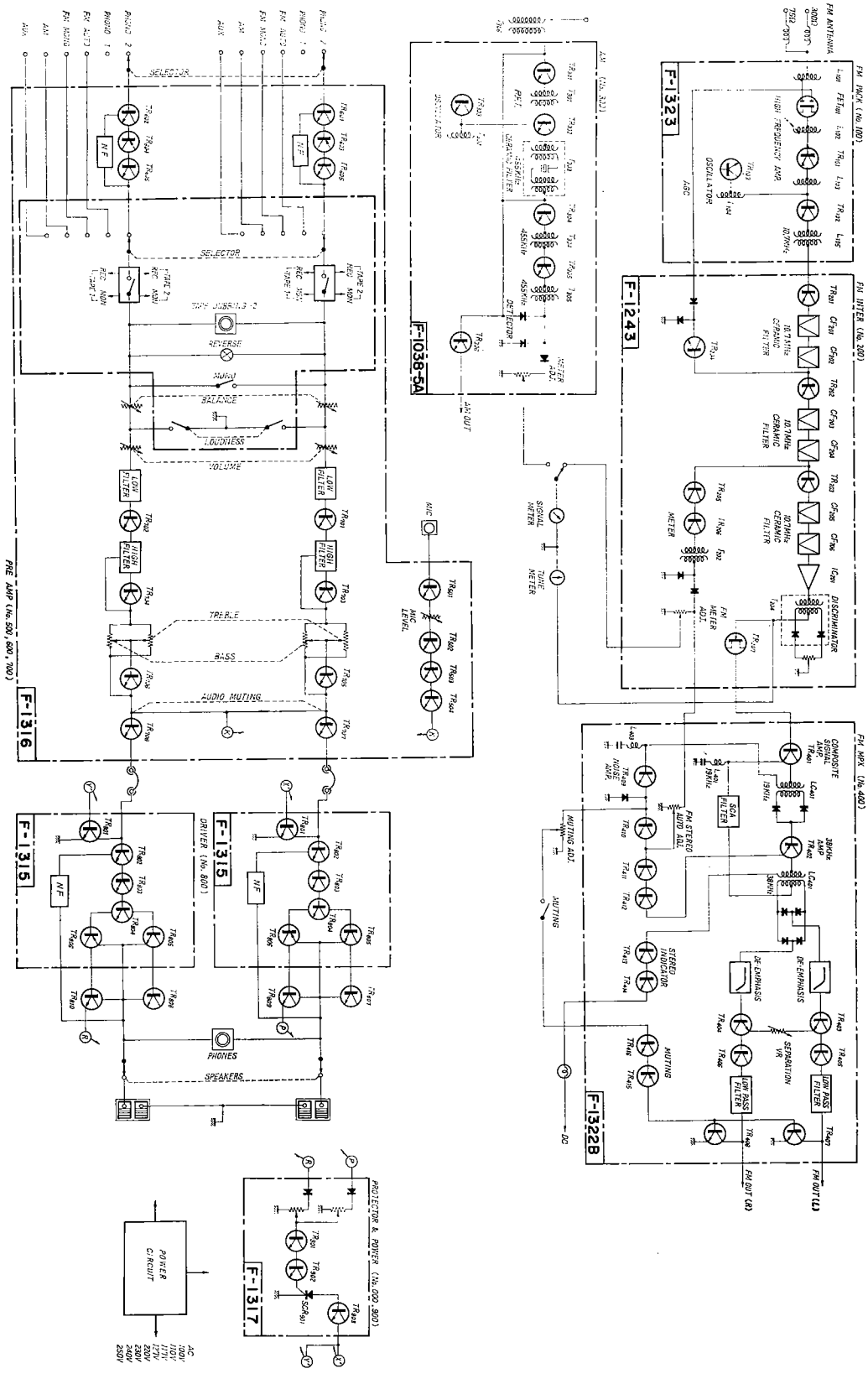
## REMOVING THE FRONT PANEL, WOOD CASE AND BOTTOM BOARD




## DIAL MECHANISM



# BLOCK DIAGRAM

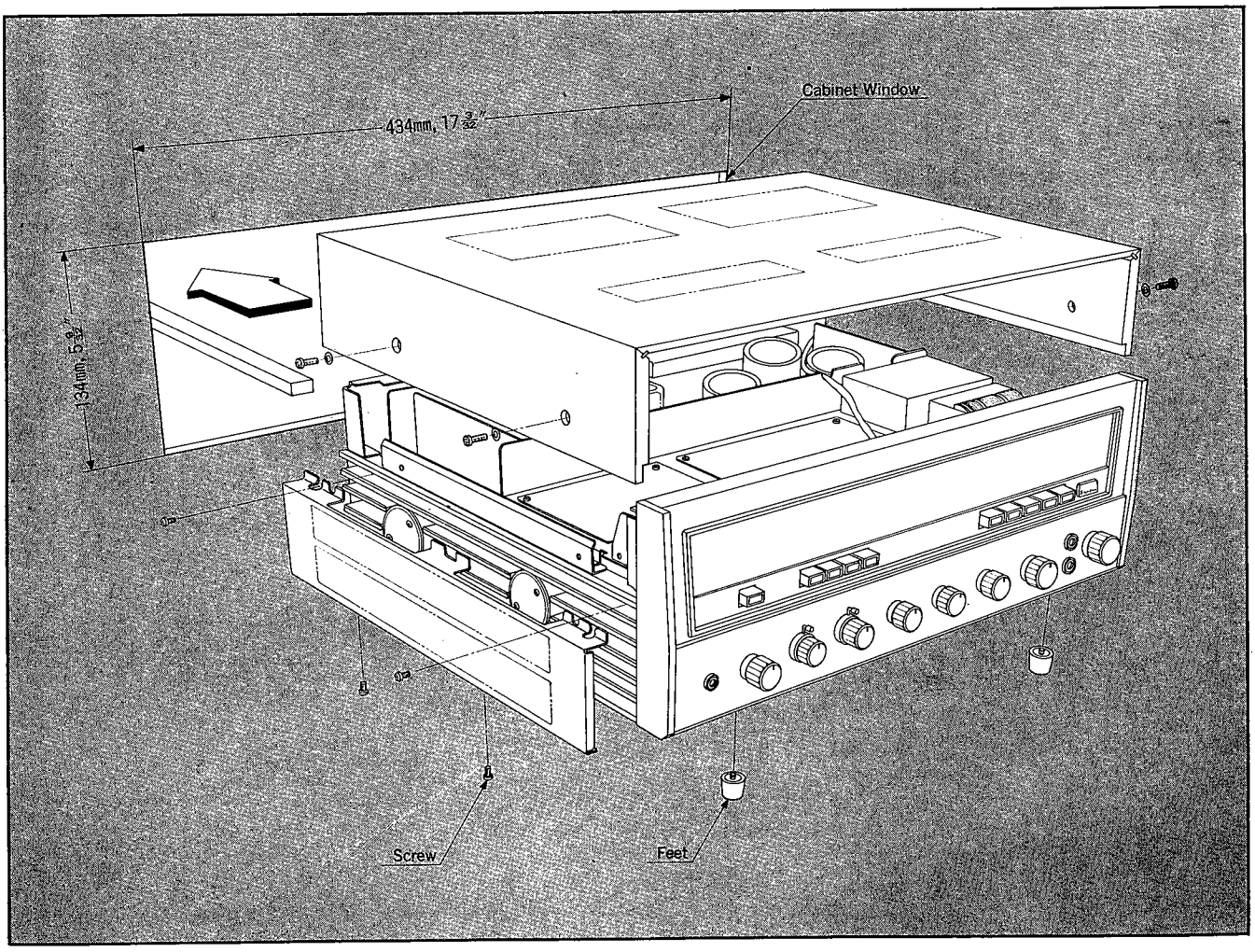


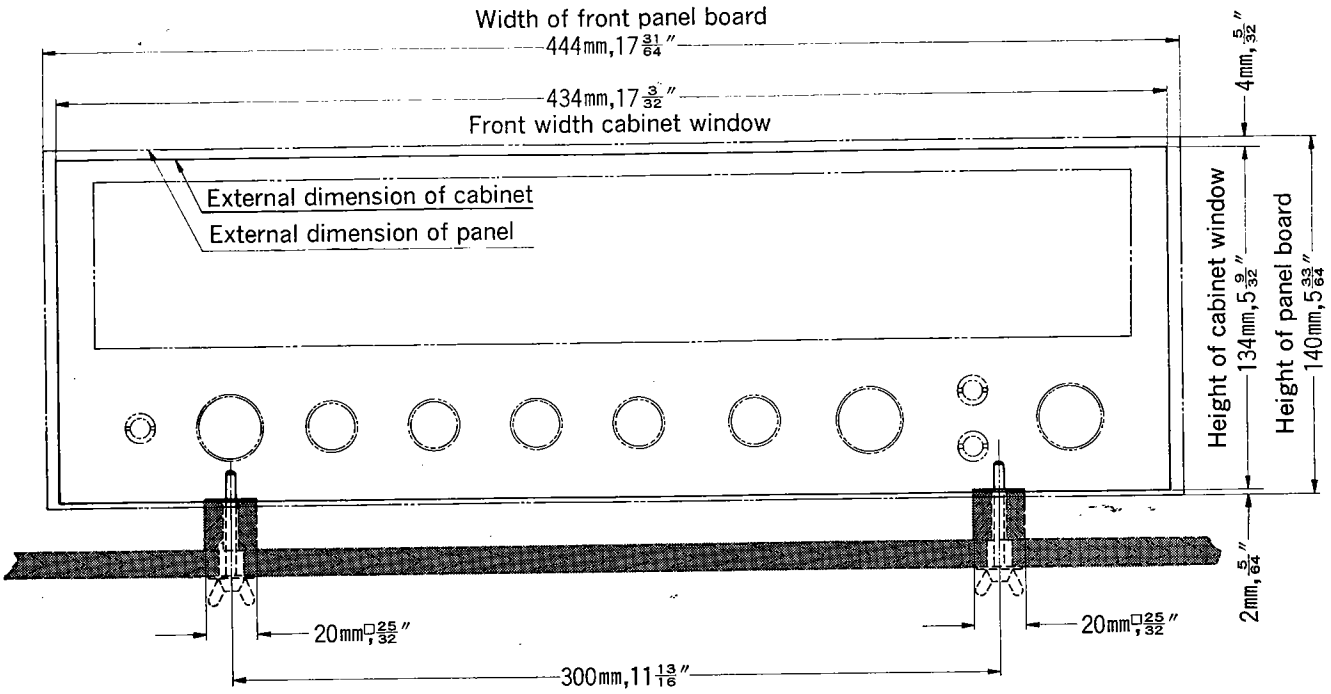
# CUSTOM MOUNTING

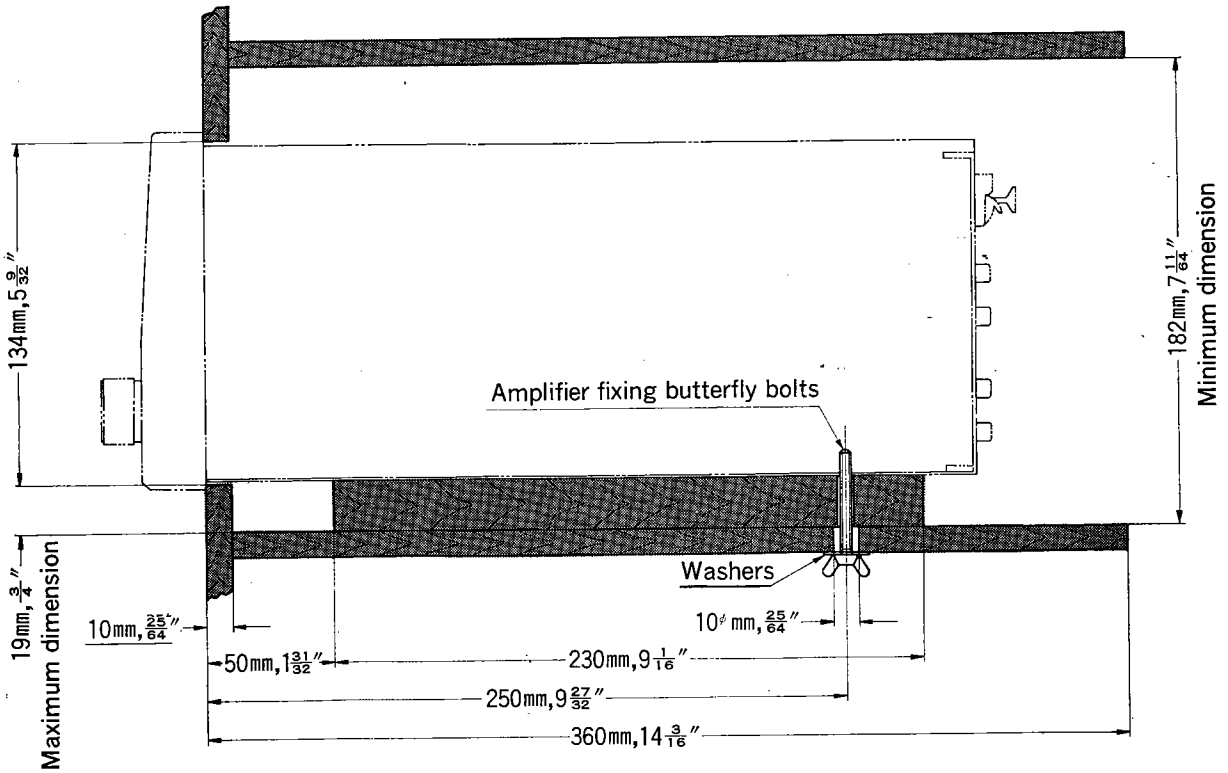
## Custom Mounting

**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.

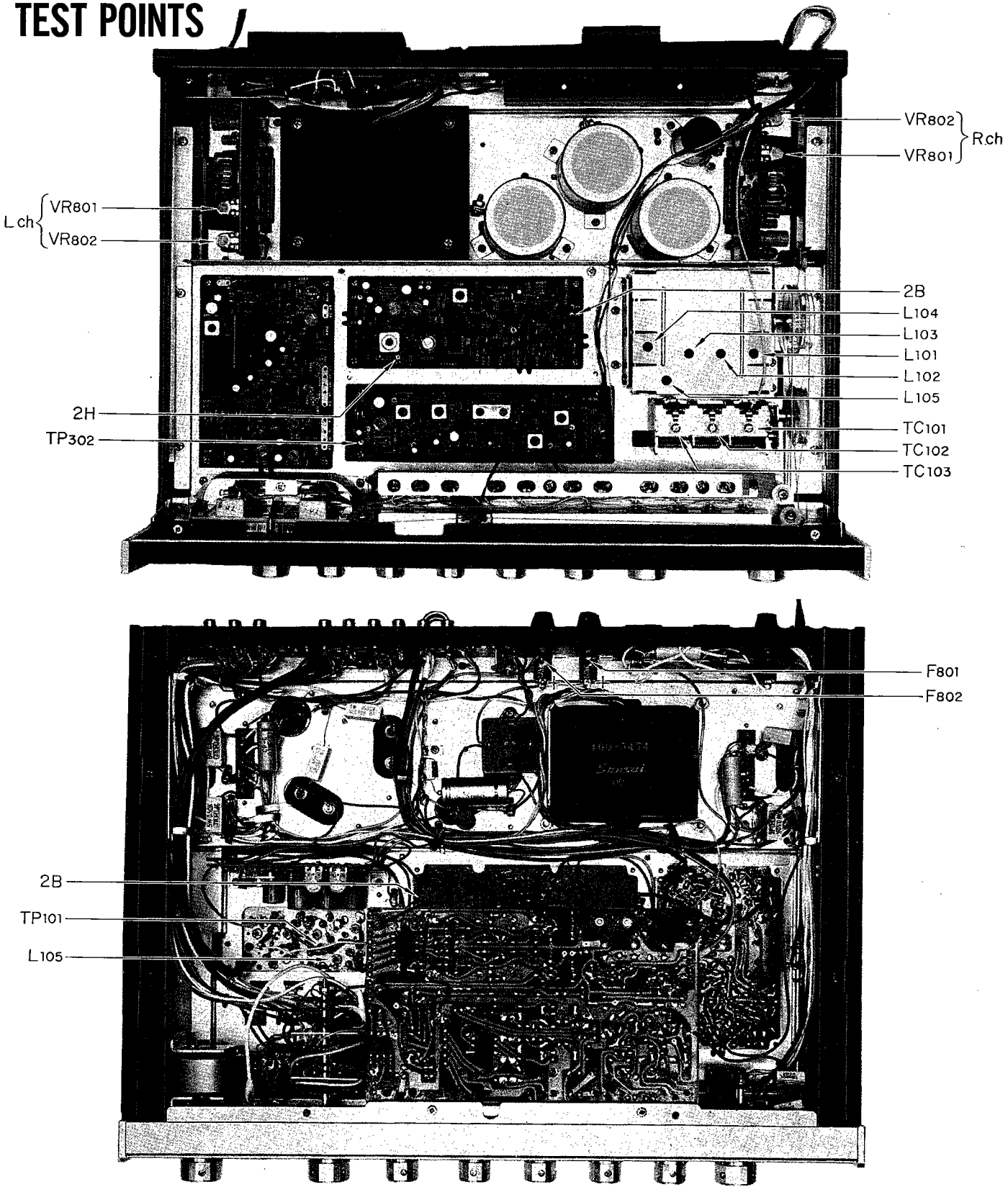



Width of front panel board
444mm,17 31/64"
434mm,17 3/32"
Front width cabinet window
External dimension of cabinet
External dimension of panel
4mm, 5/32"
Height of cabinet window
134mm,5 9/32"
Height of panel board
140mm,5 33/64"
2mm, 5/64"
20mm□ 25/32"
20mm□ 25/32"
300mm,11 13/16"


134mm,5 9/32"
182mm,7 11/64"
Minimum dimension
Amplifier fixing butterfly bolts
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

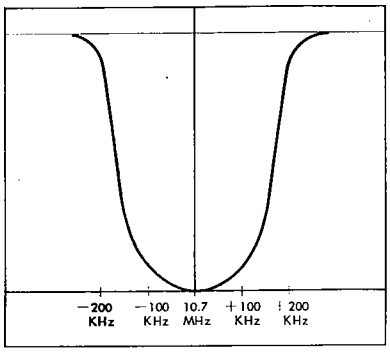
NOTE: To align, set the FM signal generator level to minimum.

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.

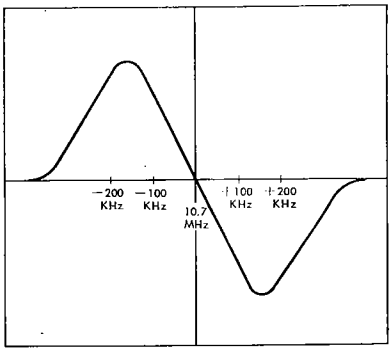
Equipment required: 1. Sweep Generator 2. Oscilloscope 3. FM Signal Generator 4. Multiplex Stereo Generator 5. AC V.T.V.M. 6. Audio Oscillator 7. AM Signal Generator 8. Distortion Meter

| 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

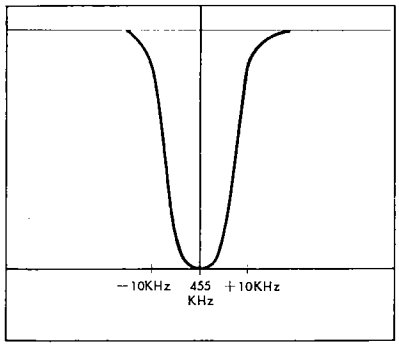
| STEP | ALIGN | GENERATOR | FEED SIGNAL | OUTPUT INDICATOR | DIAL SETTING | ADJUST | ADJUST FOR |
|---|---|---|---|---|---|---|---|
| 1. | 19kHz phase | FM signal generator—98MHz Stereo signal generator —composite signal with pilot signal, left chan, 30% modulation. | To antenna terminal | Connect distortion 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 | | | | | | |

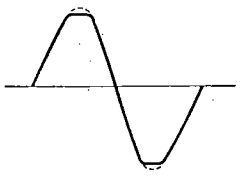
### AM IF CHARACTERISTIC



# 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:<br>BALANCE to CENTER<br>TAPE MON to OFF<br>MODE to STEREO<br>TONE to CENTER<br>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

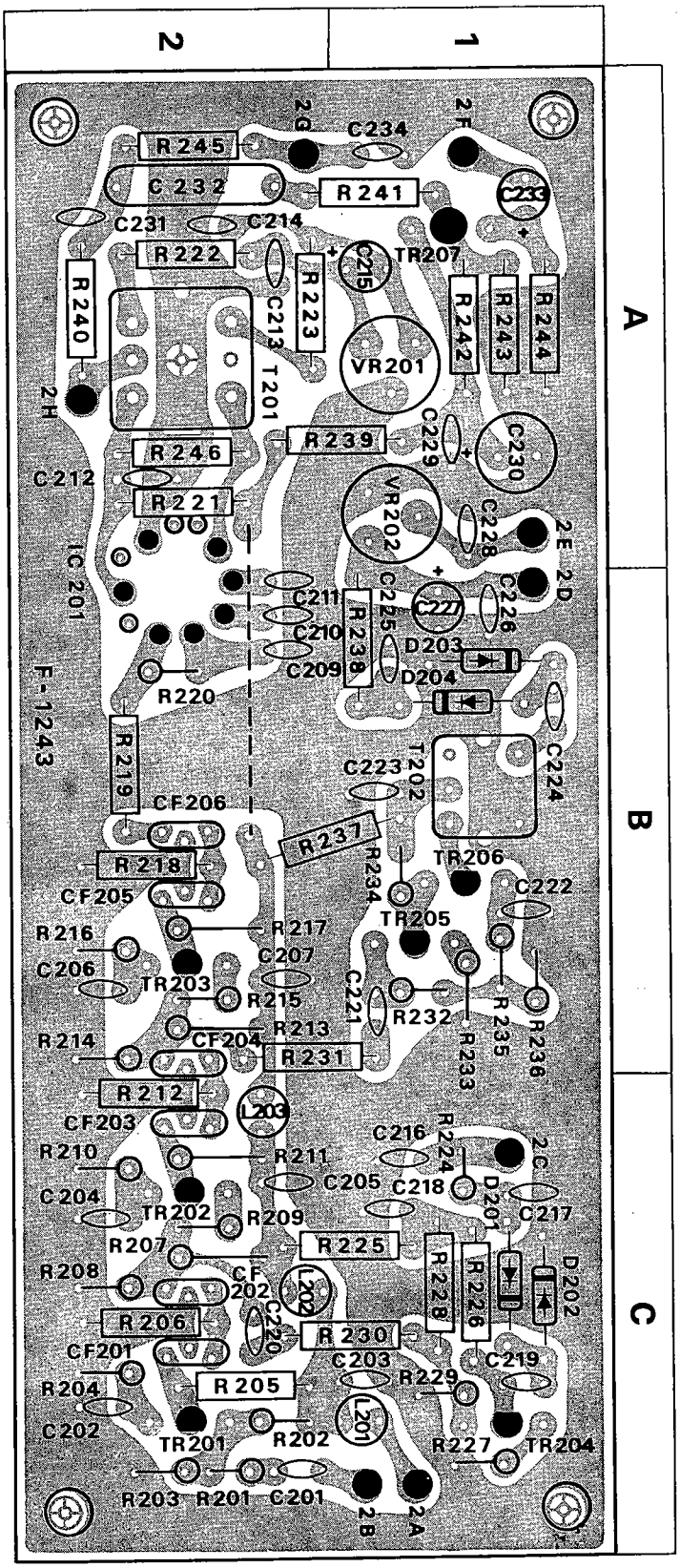
## FM IF BLOCK 〈F-1243〉

| 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 +80 −20% 25 V CC. | 0656223 | 1 B |
| C223 | 0.022μF | 0656223 | 1 B |
| C224 | 22pF ±10% 50 V CC. | 0660220 | 1 B |
| C225 | 22pF | 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 +80 −28% 25 V CC. | 0656223 | 1 A |
| C229 | 0.022μF | 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 |



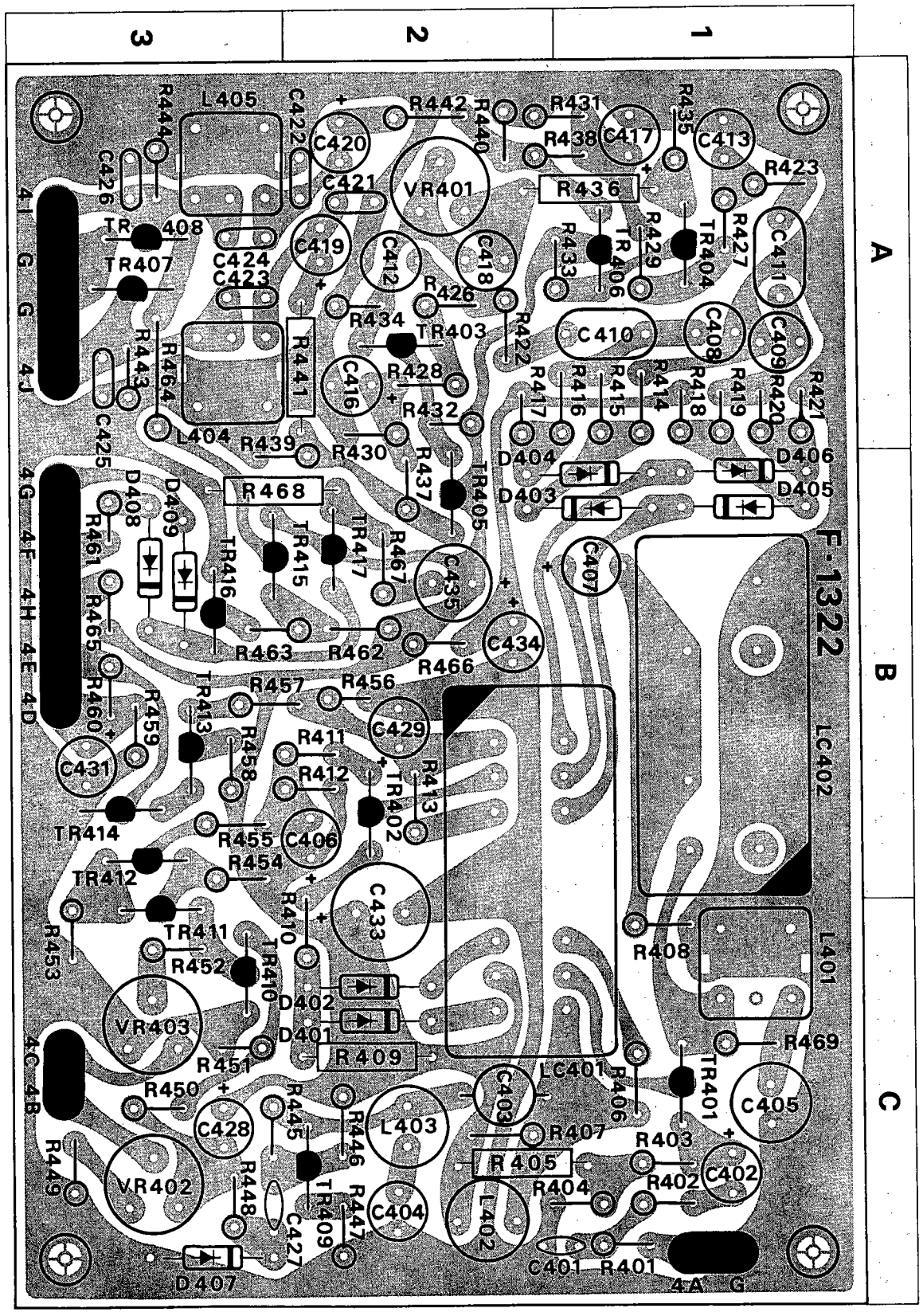
# PRINTED CIRCUIT BOARDS AND PARTS LIST

**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 ±10% ¼W CR. | 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 ± 5% 50 V SC. | 0620101 | 2 C |
| C404 | 4700pF ± 5% 50 V SC. | 0620472 | 2 C |
| C405 | 6800pF ± 5% 50 V SC. | 0620682 | 1 C |
| C406 | 1μF 50 V EC. | 0515109 | 2, 3 B |
| C407 | 10μF 25 V EC. | 0513100 | 1 B |
| C408 | 560pF ± 5% 50 V SC. | 0620561 | 1 A |
| C409 | 560pF ± 5% 50 V SC. | 0620561 | 1 A |
| C410 | 0.15μF ±10% 50 V MC. | 0601158 | 1 A |
| C411 | 0.15μF ±10% 50 V MC. | 0601158 | 1 A |
| C412 | 1500pF ± 5% 50 V SC. | 0620152 | 2 A |
| C413 | 1500pF ± 5% 50 V SC. | 0620152 | 1 A |
| C416 | 10μF 25 V EC. | 0513100 | 2 A |
| C417 | 10μF 25 V EC. | 0513100 | 1 A |
| C418 | 560pF ± 5% 50 V SC. | 0620561 | 2 A |
| C419 | 10μF 25 V EC. | 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 | 2SC871(F) | 0305472 | 1 A |
| TR405 | 2SC871(F) | 0305472 | 1 A, B |
| TR406 | | 0305472 | 1 A |
| TR407 | 2SC733 (O, Y) | 0305370, 1 | 3 A |
| TR408 | 2SC733 (O, Y) | 0305370, 1 | 3 A |
| TR409 | 2SC711 (E, F) | 0305731, 2 | 2 C |
| TR410 | 2SC733 (O, Y) | 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 | IN34A | 0310400 | 2 C |
| D403 | | 0310401 | 1, 2 B |
| D404 | IN34A (Y) | 0310401 | 1, 2 B |
| D405 | IN34A (Y) | 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 | MPX Coil | 4240400 | 3 A |
| LC401 | MPX Coil | 4240490 | 1, 2 B C |
| LC402 | MPX Coil | 4240050 | 1 B |

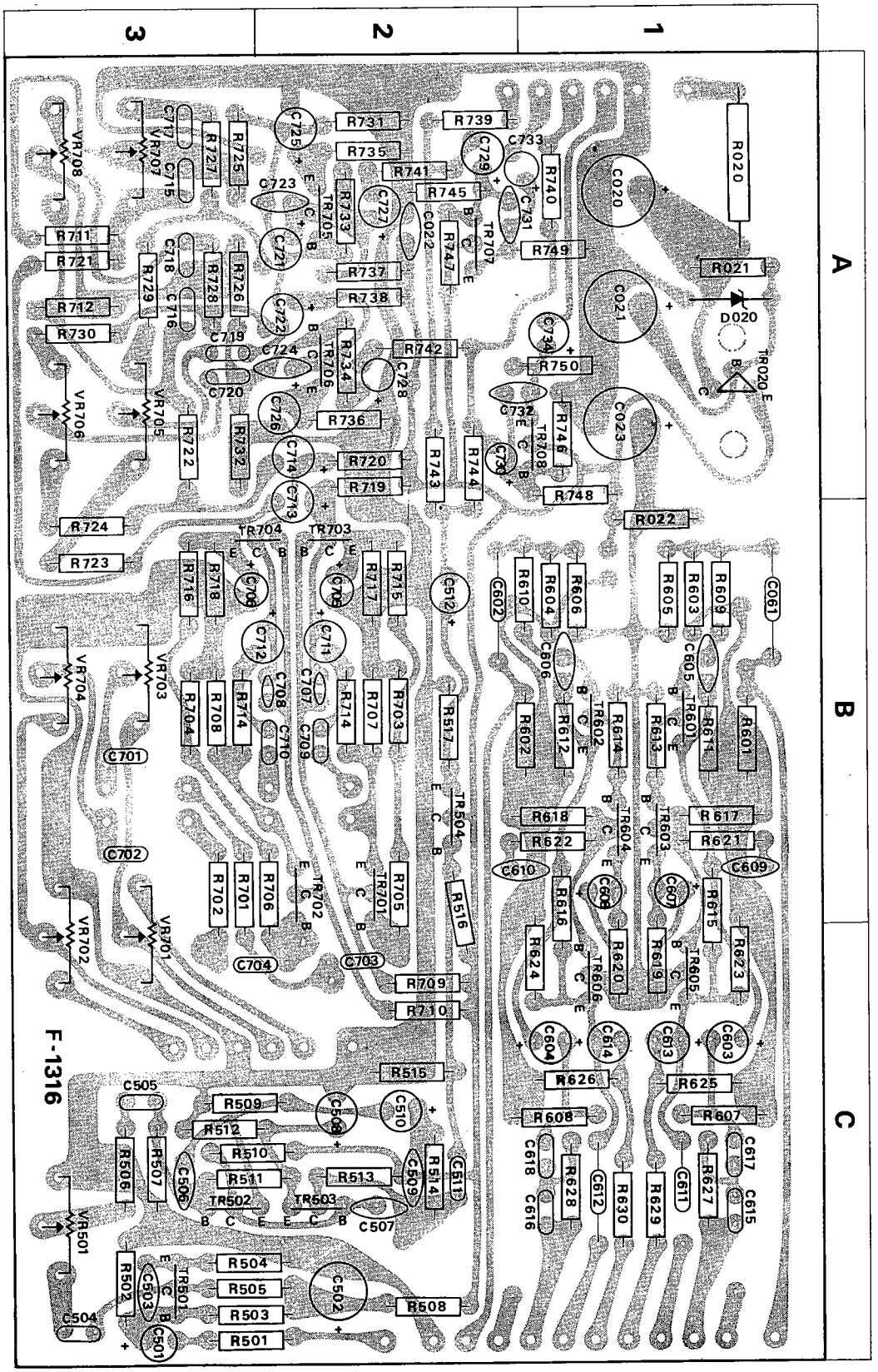

3
2
1
A
B
C
F.1322
LC402
L405
C422
C420
R442
R440
R431
R438
C417
R435
C413
R423
R436
C421
VR401
R444
C426
TR408
TR407
C424
C423
C419
C412
C418
R426
R434
TR403
R422
R433
TR406
R429
TR404
R427
C411
C410
C408
C409
R464
R443
R441
C416
R428
R432
R417
R416
R415
R414
R418
R419
R420
R421
C425
L404
R439
R430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

# 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 ±10% 1/4W CR. | 0101274 | 2 B |
| R716 | 270kΩ ±10% 1/4W CR. | 0101274 | 3 B |
| R717 | 2.7kΩ ±10% 1/4W CR. | 0101272 | 2 B |
| R718 | 2.7kΩ ±10% 1/4W CR. | 0101272 | 3 B |
| R719 | 8.2kΩ ±10% 1/4W CR. | 0101822 | 2 A |
| R720 | 8.2kΩ ±10% 1/4W CR. | 0101822 | 2 A |
| R721 | 10kΩ ±10% 1/4W CR. | 0101103 | 3 A |
| R722 | 10kΩ ±10% 1/4W CR. | 0101103 | 3 A |
| R723 | 6.8kΩ ±10% 1/4W CR. | 0101682 | 3 B |
| R724 | 6.8kΩ ±10% 1/4W CR. | 0101682 | 3 B |
| R725 | 22kΩ ±10% 1/4W CR. | 0101223 | 3 A |
| R726 | 22kΩ ±10% 1/4W CR. | 0101223 | 3 A |
| R727 | 10kΩ ±10% 1/4W CR. | 0101103 | 3 A |
| R728 | 10kΩ ±10% 1/4W CR. | 0101103 | 3 A |
| R729 | 6.8kΩ ±10% 1/4W CR. | 0101682 | 3 A |
| R730 | 6.8kΩ ±10% 1/4W CR. | 0101682 | 3 A |
| R731 | 150kΩ ±10% 1/4W CR. | 0101154 | 2 A |
| R732 | 150kΩ ±10% 1/4W CR. | 0101154 | 3 A |
| R733 | 390kΩ ±10% 1/4W CR. | 0101394 | 2 A |
| R734 | 390kΩ ±10% 1/4W CR. | 0101394 | 2 A |
| R735 | 560Ω ±10% 1/4W CR. | 0101561 | 2 A |
| R736 | 560Ω ±10% 1/4W CR. | 0101561 | 2 A |
| R737 | 5.6kΩ ±10% 1/4W CR. | 0101562 | 2 A |
| R738 | 5.6kΩ ±10% 1/4W CR. | 0101562 | 2 A |
| R739 | 3.3kΩ ±10% 1/4W CR. | 0101332 | 2 A |
| R740 | 3.3kΩ ±10% 1/4W CR. | 0101332 | 1 A |
| R741 | 47kΩ ±10% 1/4W CR. | 0101473 | 2 A |
| R742 | 47kΩ ±10% 1/4W CR. | 0101473 | 2 A |
| R743 | 120kΩ ±10% 1/4W CR. | 0101124 | 2 A, B |
| R744 | 120kΩ ±10% 1/4W CR. | 0101124 | 2 A, B |
| R745 | 820kΩ ±10% 1/4W CR. | 0101824 | 2 A |
| R746 | 820kΩ ±10% 1/4W CR. | 0101824 | 1 A |
| R747 | 470kΩ ±10% 1/4W CR. | 0101474 | 2 A |
| R748 | 470kΩ ±10% 1/4W CR. | 0101474 | 1 A, B |
| R749 | 3.9kΩ ±10% 1/4W CR. | 0101392 | 1, 2 A |
| R750 | 3.9kΩ ±10% 1/4W CR. | 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 ±10% 50 V MC. | 0601226 | 1 C |
| C616 | 0.0022μF ±10% 50 V MC. | 0601226 | 1 C |
| C617 | 0.006μF ±10% 50 V MC. | 0601606 | 1 C |
| C618 | 0.006μF ±10% 50 V MC. | 0601606 | 1 C |
| C701 | 0.008μF ±10% 50 V MC. | 0601806 | 3 B |
| C702 | 0.008μF ±10% 50 V MC. | 0601806 | 3 B |
| C703 | 0.22μF ±10% 50 V MC. | 0601228 | 2 C |
| C704 | 0.22μF ±10% 50 V MC. | 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 ±10% 50 V MC. | 0601407 | 3 A |
| C716 | 0.04μF ±10% 50 V MC. | 0601407 | 3 A |
| C717 | 0.04μF ±10% 50 V MC. | 0601407 | 3 A |
| C718 | 0.04μF ±10% 50 V MC. | 0601407 | 3 A |
| C719 | 0.0015μF ±10% 50 V MC. | 0601156 | 3 A |
| C720 | 0.0015μF ±10% 50 V MC. | 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 RN 50 V EC. | 0519101 | 2 A |
| C728 | 1μF RN 50 V EC. | 0519101 | 2 A |
| C729 | 1μF RN 50 V EC. | 0519101 | 2 A |
| C730 | 1μF RN 50 V EC. | 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 | 2SC871R (E, F) | 0305474, 5 | 3 C |
| TR502 | 2SC871R (E, F) | 0305474, 5 | 3 C |
| TR503 | 2SC871R (E, F) | 0305474, 5 | 2 C |
| TR504 | 2SC871R (E, F) | 0305474, 5 | 2 B |
| TR601 | 2SC871R (E, F) | 0305474, 5 | 1 B |
| TR602 | 2SC871R (E, F) | 0305474, 5 | 1 B |
| TR603 | XA495BL(C,D) | 0300162, 3 | 1 B |
| TR604 | XA495BL(C,D) | 0300162, 3 | 1 B |
| TR605 | 2SC871R (E, F) | 0305474, 5 | 1 C |
| TR606 | 2SC871R (E, F) | 0305474, 5 | 1 C |
| TR701 | 2SC871R (E, F) | 0305474, 5 | 2 B |
| TR702 | 2SC871R (E, F) | 0305474, 5 | 2 B |
| TR703 | 2SC871R (E, F) | 0305474, 5 | 2 B |
| TR704 | 2SC871R (E, F) | 0305474, 5 | 2, 3 B |
| TR705 | 2SC871R (E, F) | 0305474, 5 | 2 A |
| TR706 | 2SC871R (E, F) | 0305474, 5 | 2 A |
| TR707 | 2SC871R (E, F) | 0305474, 5 | 2 A |
| TR708 | 2SC871R (E, F) | 0305474, 5 | 1 A |
| D020 | ZBI-25 | 0310710 | 1 A |


1
2
3
A
B
C
F-1316

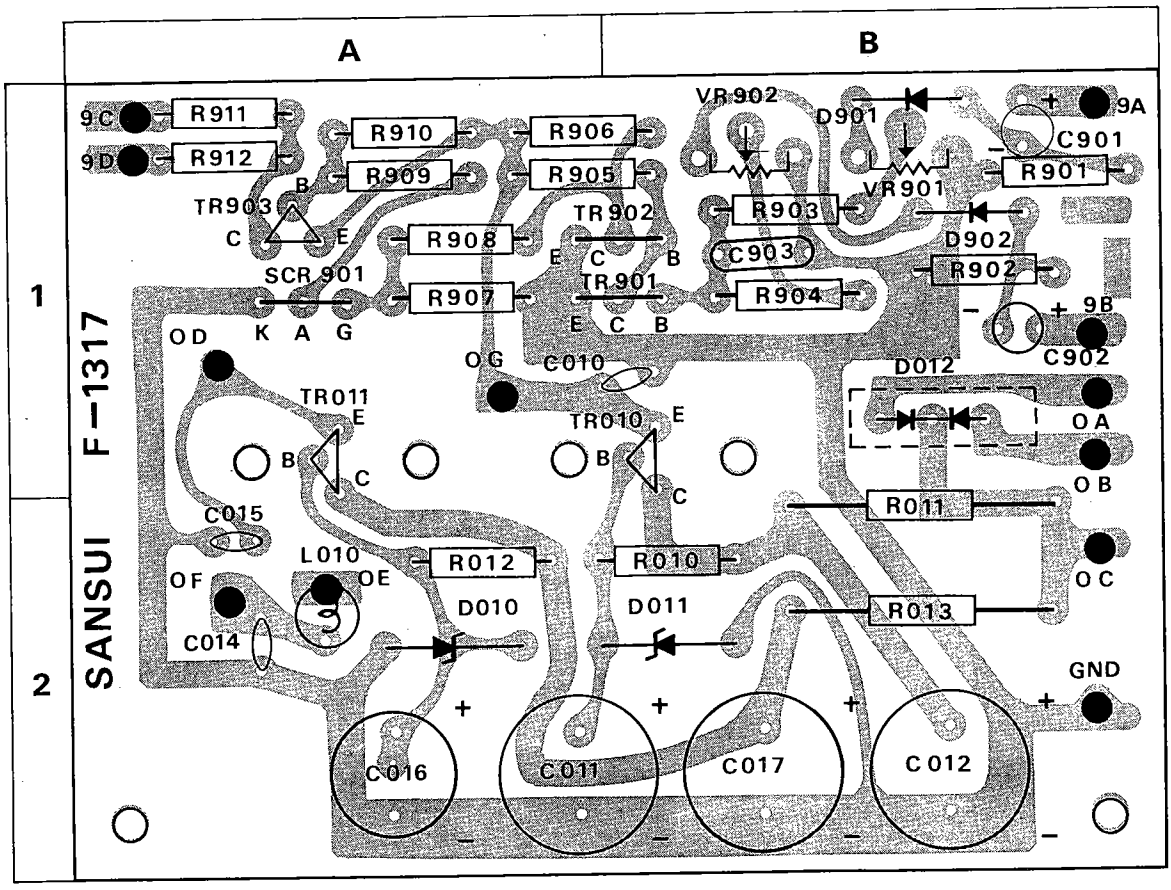
# PRINTED CIRCUIT BOARDS AND PARTS LIST

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

## 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 Selectar 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