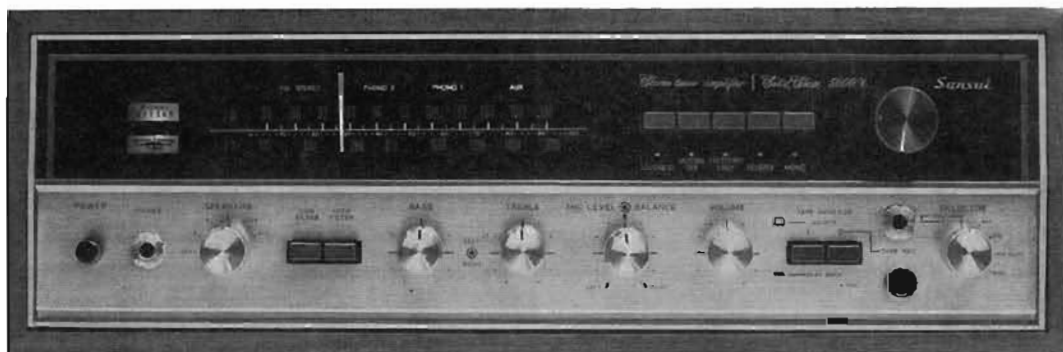


SERVICE MANUAL

SOLID-STATE AM/FM STEREO TUNER AMPLIFIER

SANSUI 5000X



Sansui

SANSUI ELECTRIC CO., LTD.

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Stereo amplifier | Total Output 500W

Sansui

POWER

INDICATOR

SPEAKERS

LOW FILTER HIGH FILTER

BASS

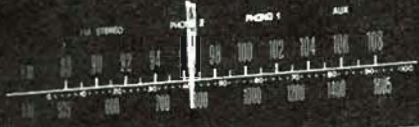
TREBLE

MC LEVEL BALANCE

VOLUME

TAPE MONITOR

SELECTOR



LOUDNESS OFF MING FM/STEREO ONLY REVERSE MONO

GENERAL TROUBLESHOOTING CHART

If the amplifier is otherwise operating satisfactorily, the more common causes of trouble may generally be attributed to the following:

1. Incorrect connections or loose terminal contacts. Check the speakers, record player, tape deck, antenna and line cord.
2. Improper operation. Before operating any audio com-

ponent, be sure to read the manufacturer's instructions.

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

4. Defective audio components.

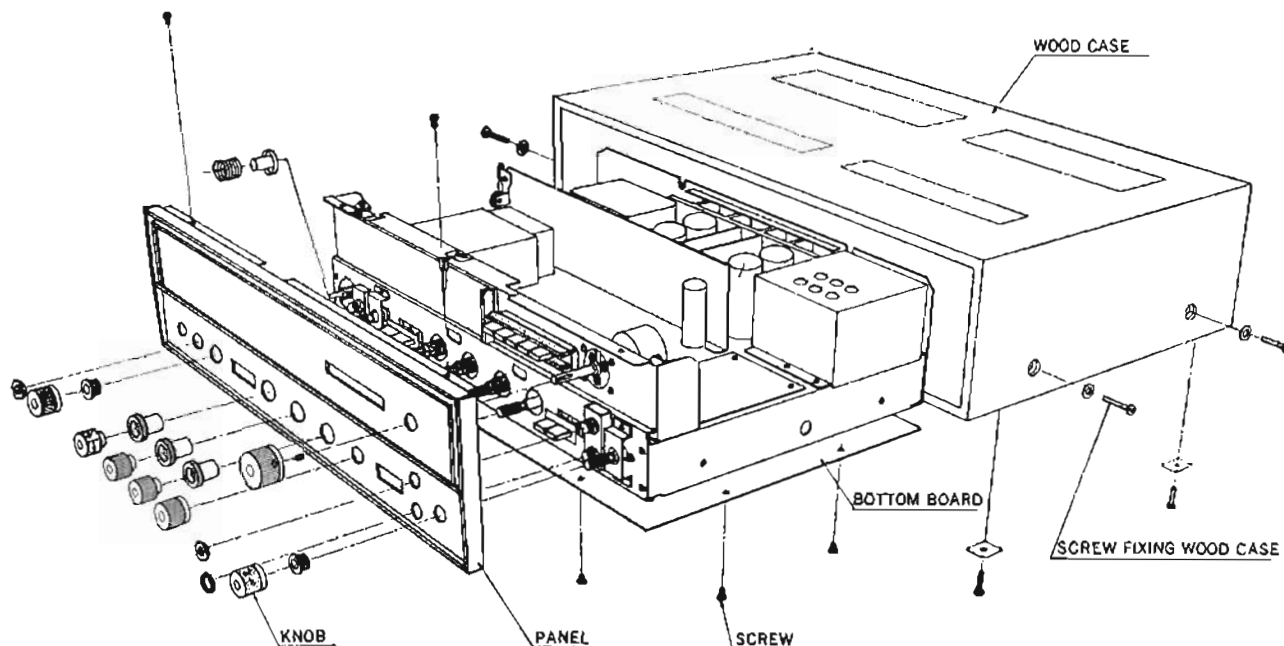
The following are some other common causes of malfunction and what to do about them.

| PROGRAM | SYMPTOM | PROBABLE CAUSE | WHAT TO DO |
|----------------------------|--|---|--|
| AM, FM or FM-MPX reception | A. Constant or intermittent noise heard at times or in a certain area. | <ul style="list-style-type: none"> * Discharge or oscillation caused by electrical appliances, such as fluorescent lamp, TV set, D.C. motor rectifier or oscillator * Natural phenomena, such as atmospherics, static or thunders bolts * Insufficient antenna input due to ferroconcrete wall or long distance from the station * Wave interference from other electrical appliances | <ul style="list-style-type: none"> * Attach a noise limiter to the electrical appliance, or attach it to the amplifier's power source * Install an outdoor antenna and ground the amplifier to raise the signal-to-noise ratio. * Reverse the power cord plug-receptacle connections. * If the noise occurs at a certain frequency, attach a wave trap to the ANT. input. * Keep the set at a proper distance from other electrical appliances. |
| | B. The needle of the signal and tune meter does not move sharply | <ul style="list-style-type: none"> * Receiver is located in a weak signal area | <ul style="list-style-type: none"> * The needle swing varies depending on the stations |
| | C. The zero point of the meter diverges much | <ul style="list-style-type: none"> * Regional difference in field intensity. | <ul style="list-style-type: none"> * The unit is not at fault. |
| AM reception | A. Noise heard at a particular time of a day, in a certain area or over part of dial | <ul style="list-style-type: none"> * Due to the nature of AM broadcasts | <ul style="list-style-type: none"> * Install the antenna for maximum antenna efficiency. See "ANTENNA" in the operating instructions. * In some cases, the noise can be eliminated by grounding the amplifier or reversing the power cord plug-receptacle connections. |
| | B. High-frequency noise | <ul style="list-style-type: none"> * Adjacent-channel interference or beat interference * TV set is too close to audio system | <ul style="list-style-type: none"> * Although such noise cannot be eliminated by the amplifier, it is advisable to adjust the TREBLE control from midpoint to left and switch on the HIGH FILTER * Keep the TV set at a proper distance from the audio system. |
| FM reception | A. Noisy | <ul style="list-style-type: none"> * Poor noise limiter effect or too low SN ratio due to insufficient antenna input. | <ul style="list-style-type: none"> * 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 |
| | | <p>Note: FM reception is affected considerably by transmission conditions of stations: power and antenna efficiency. As a result, you may receive one station quite well while receiving another station poorly</p> | |

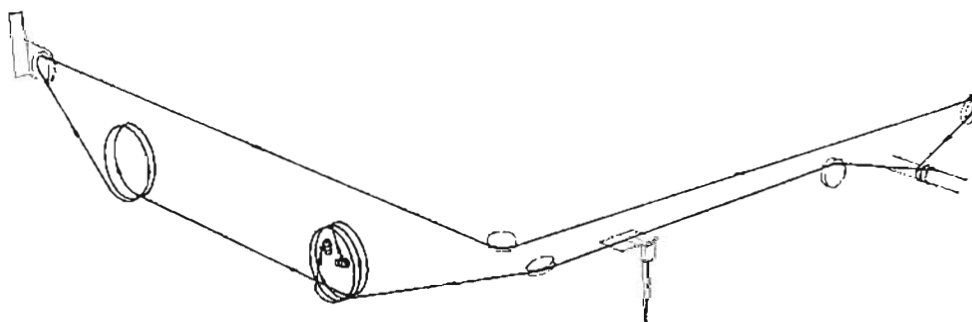
| PROGRAM | SYMPTOM | PROBABLE CAUSE | WHAT TO DO |
|---------------------------------|--|--|---|
| FM reception (cont'd) | B. A series of pops | * Ignition noise caused by starting of an automobile engine | * Install the antenna and its lead-in wire in proper distance from the road or raise the antenna input as described above |
| | C. Tuning noise between stations | * This results from the nature of the FM reception. 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 | * Release the MUTING OFF button |
| FM-MPX reception | A. Noise heard during FM-MPX reception while not heard during FM mono reception | * Weaker signal because the service area of the FM-MPX broadcast is only half that of the FM mono broadcast | * Install the antenna for maximum antenna input * Switch on the high filter and/or turn the TREBLE control from midpoint, left |
| | B. Clearness of channel separation is decreased during reception | * Excess heat | * Circulation of air is important to the amplifier. Be sure that air is flowing under the amplifier. |
| | C. The stereo indicator blinks on and off | * Interference | * The indicator is not at fault, adjust VR ₄₀₁ |
| | D. The stereo indicator blinks on and off even though stereo station is not received | * Interference | * The indicator is not at fault, adjust VR ₄₀₁ |
| Record playing or tape playback | A. Hum or howling | * Record player placed directly on speaker box * 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 * Push on the HIGH FILTER |
| 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 | * Push on the MONO switch and then set the BALANCE control to a position where equal sound comes from both channels |

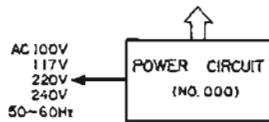
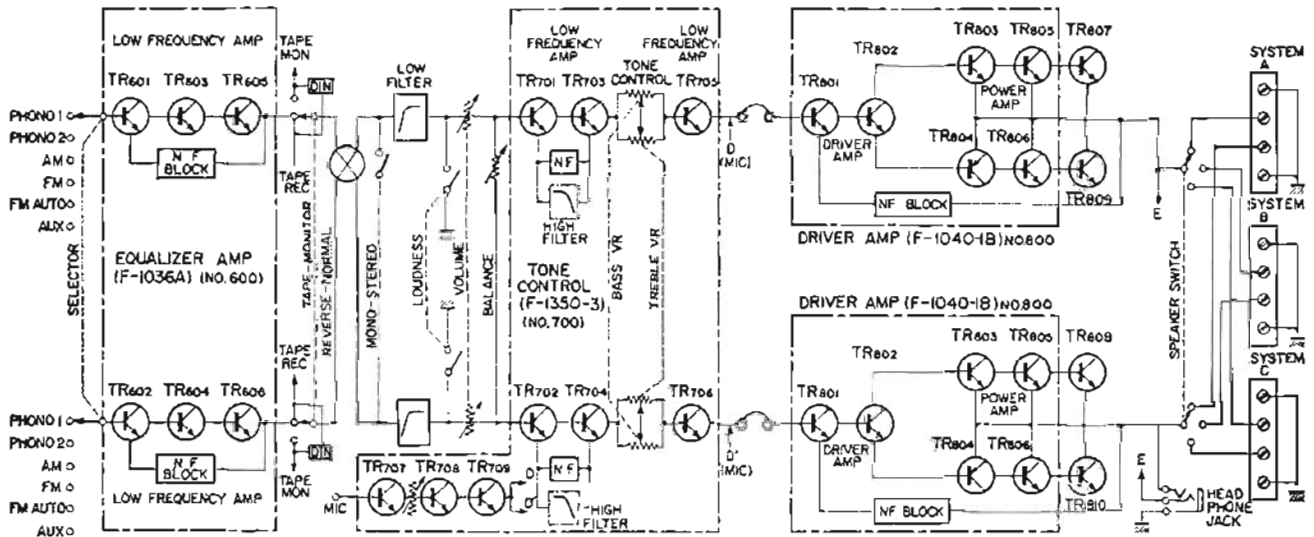
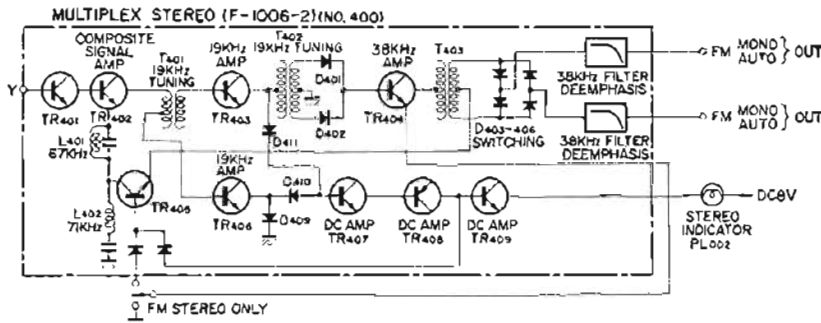
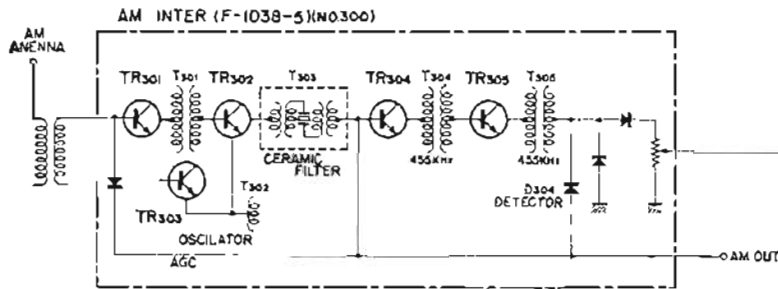
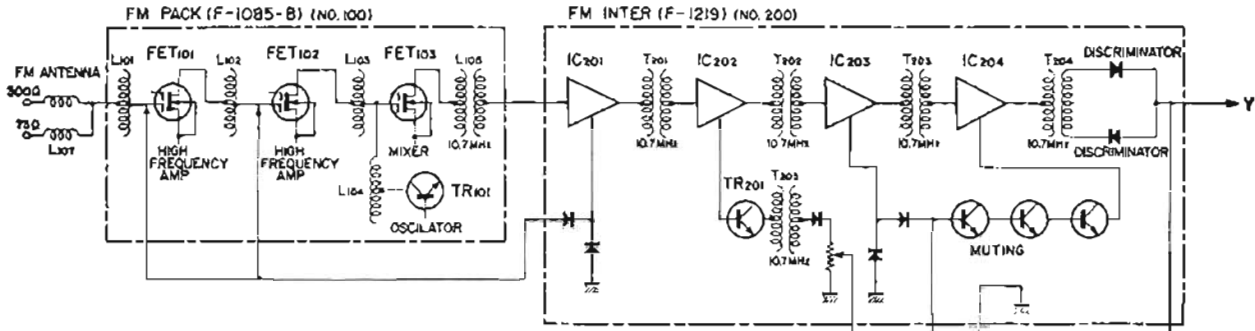
DISASSEMBLY PROCEDURE

REMOVING THE WOOD CASE, FRONT PANEL AND BOTTOM PLATE



DIAL MECHANISM





CUSTOM MOUNTING

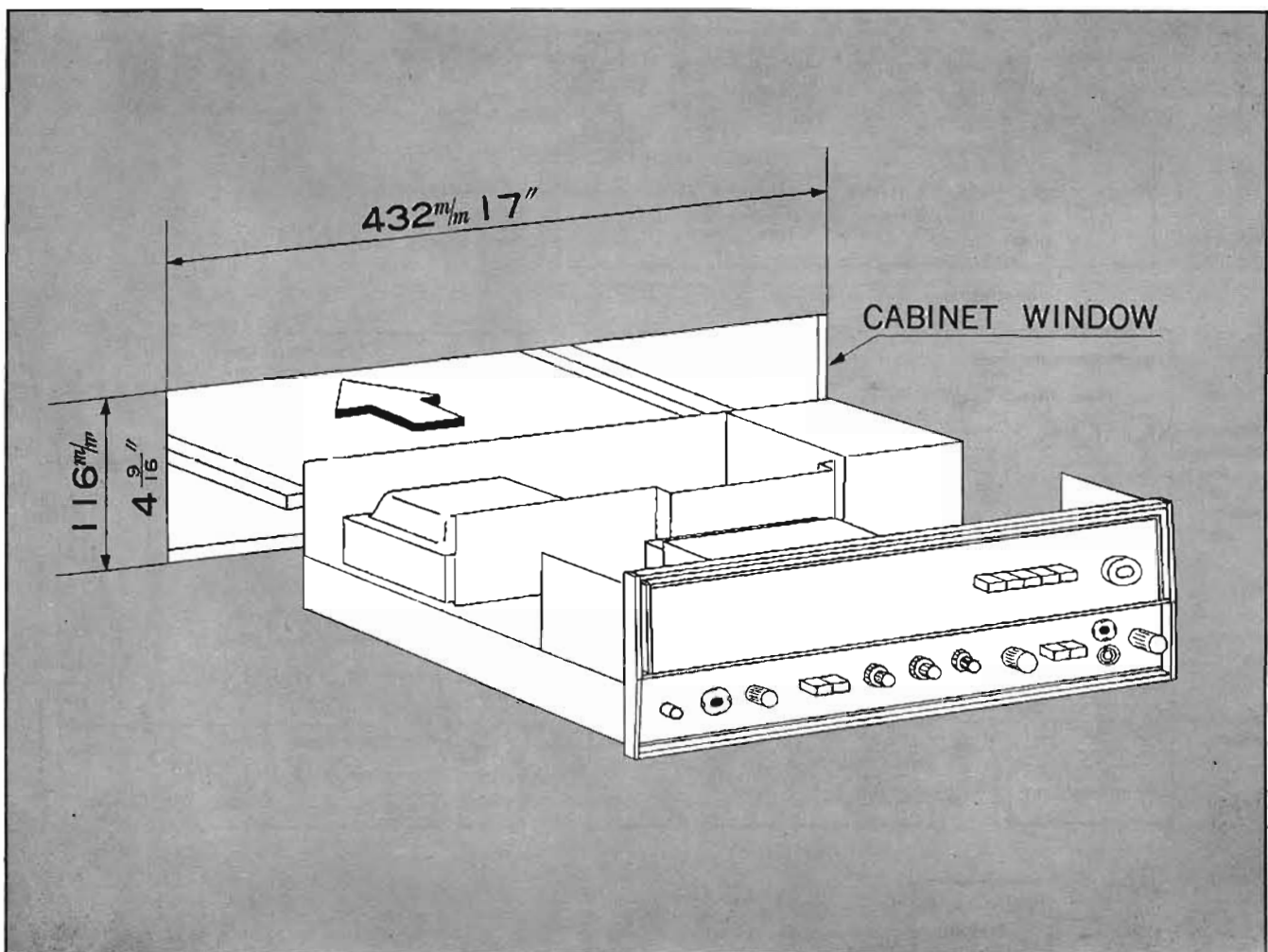
This diagram shows the size and dimensions required for mounting the 5000X into a custom-made cabinet. Note that ample space is provided for complete air circulation above and below the unit.

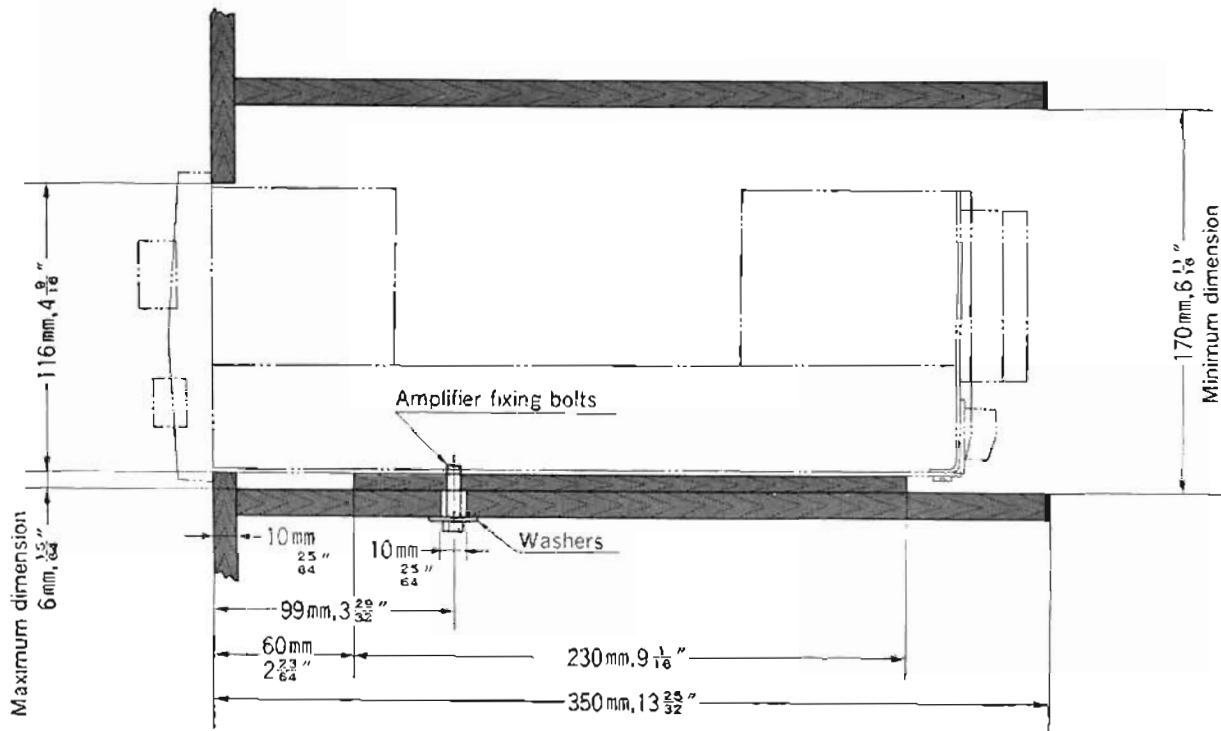
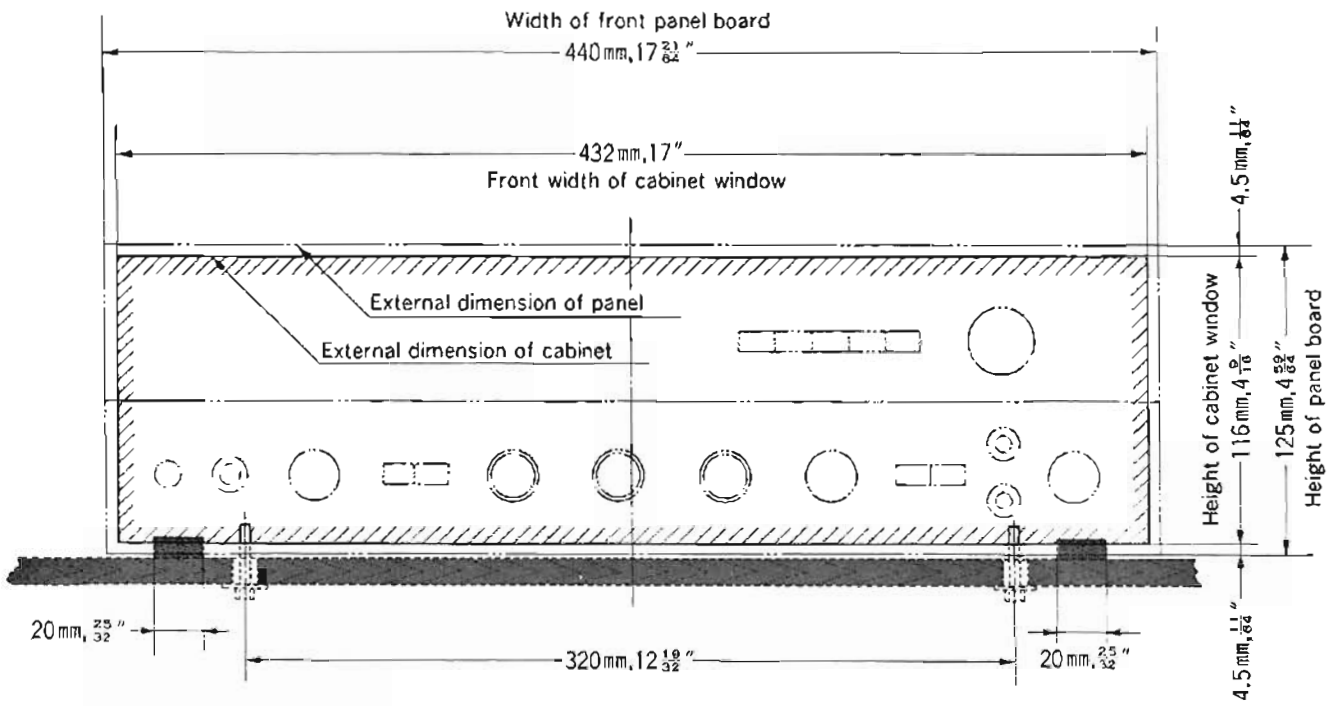
1. Be sure the cabinet cutout measures $17'' \times 4\frac{9}{16}''$ as indicated in the diagram.
2. Place two boards on the floor of the cabinet as illustrated. Boards should measure $\frac{25}{32}'' \times 1\frac{5}{8}'' \times 9\frac{1}{16}''$.

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

4. Remove the receiver from the wood case (Refer to the section entitled "DISASSEMBLY PROCEDURE").

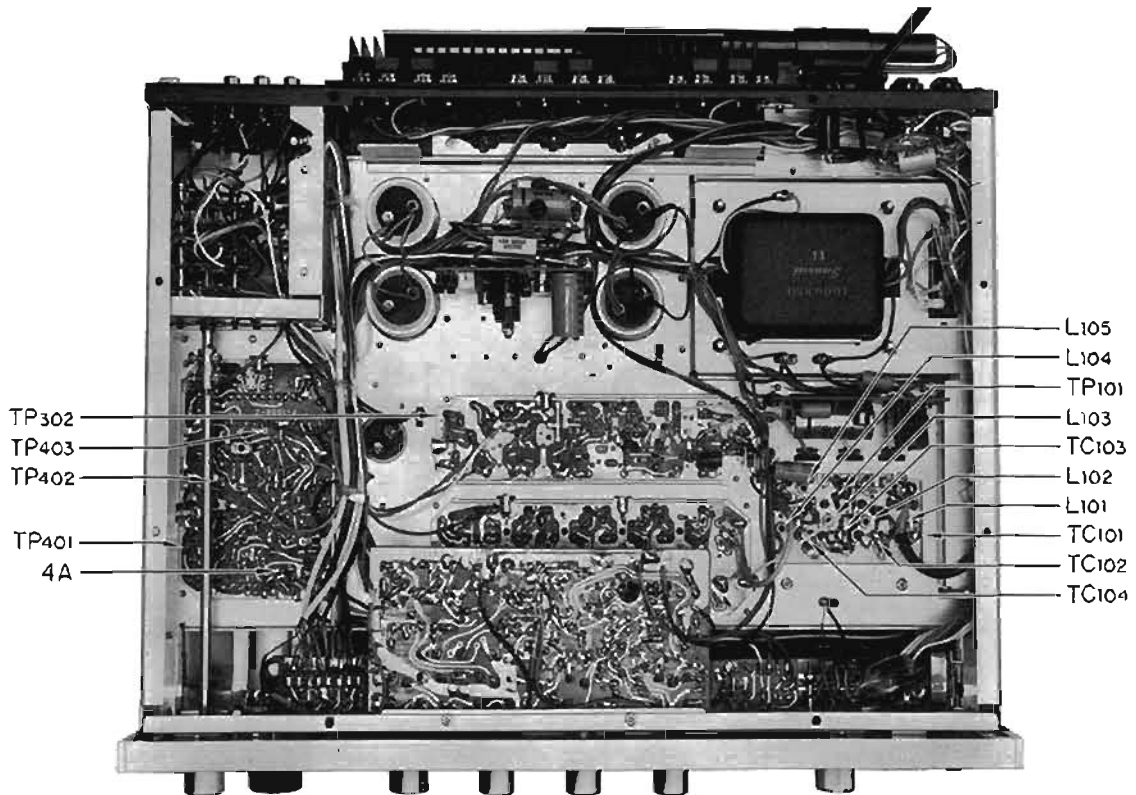
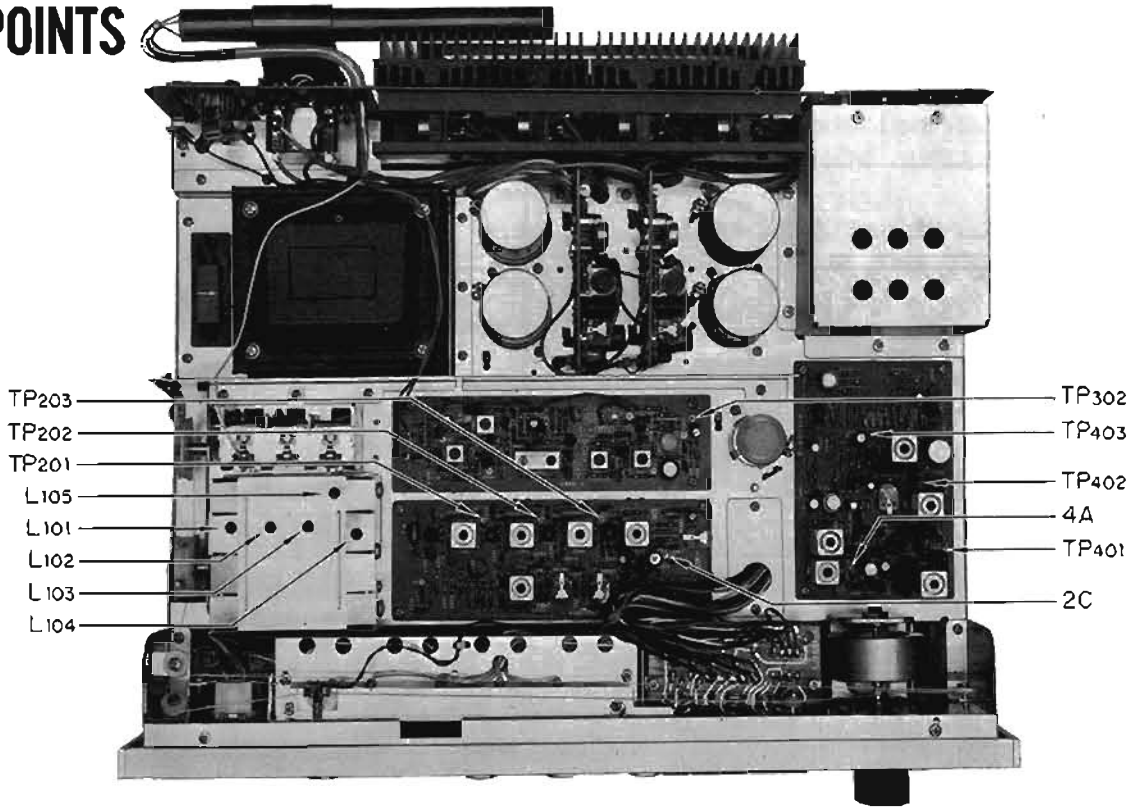
5. Insert the 5000X into the cabinet through the cutout until the edges of its front panel are flush with the cabinet, and secure both receiver and cabinet with hexagonheaded bolts and washers which were formerly used for securing the wood case.





ALIGNMENT

TEST POINTS

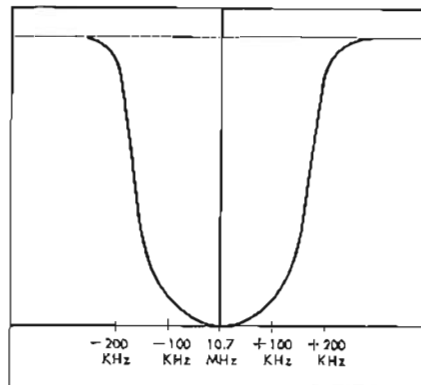


FM ALIGNMENT PROCEDURE

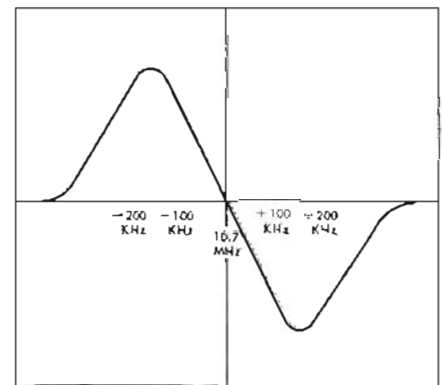
NOTE: To align, set the signal generator level to minimum.
 Turn tuning gang fully.
 Center carrier wave
 Set pointer at reference mark.

| STEP | ALIGN | GENERATOR | FEED SIGNAL | OUTPUT INDICATOR | DIAL SETTING | ADJUST | ADJUST FOR |
|------|-----------------------------|-----------------------------------|---|--|--------------|---|-----------------------|
| 1. | IF Transformer | 10.7 MHz ± 200 kHz | Sweep signal is sent to TP ₁₀₁ via the 10 pF ceramic capacitor | Oscilloscope is connected to TP _{201,202} and ₂₀₃ via the 10 pF ceramic capacitor with probe | | Top and bottom sides of T _{201,202} and T ₂₀₃ | Best I.F.T. wave form |
| 2. | Discriminator | 10.7 MHz ± 200 kHz | Sweep signal is sent to TP ₁₀₁ via the 10 pF ceramic capacitor | Oscilloscope is connected to 2C | | FM Discriminator transformer T ₂₀₄ top and bottom sides | S curve |
| 3. | O.S.C. | 90 MHz 400 Hz 100% Modulation | To antenna terminals | Oscilloscope and V.T.V.M. at output load | 90 MHz | O.S.C. coil L ₁₀₄ | Maximum |
| 4. | O.S.C. | 106 MHz 400 Hz 100% Modulation | To antenna terminals | Oscilloscope and V.T.V.M. at output load | 106 MHz | O.S.C. trimmer TC 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

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

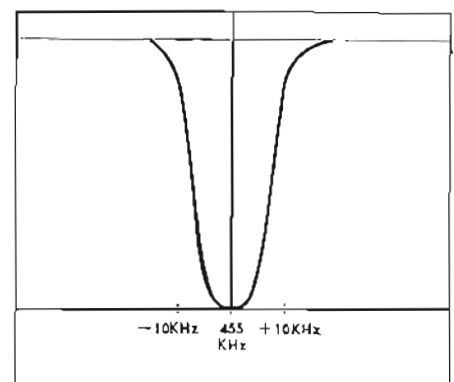
| STEP | ALIGN | GENERATOR | FEED SIGNAL | OUTPUT INDICATOR | ADJUST | ADJUST FOR |
|------|--------------------------------------|--|--|--|--|----------------------|
| 1. | 67 kHz Trap | 67 kHz Audio Signal | To 4A | V.T.V.M. at TP ₄₀₃ | L ₄₀₁ | Minimum |
| 2. | 71 kHz Trap | 71 kHz Audio Signal | To 4A | V.T.V.M. at TP ₄₀₈ | L ₄₀₂ | Minimum |
| 3. | 19 kHz Transformer | FM Signal Gen. Modulated 30% by STEREO Gen. sub-channel | To 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 | To antenna terminals Tune to signal | V.T.V.M. and Oscilloscope at TP ₄₀₂ | T ₄₀₂ | Maximum |
| 5. | 38 kHz Transformer | FM Signal Gen. Modulated 30% by STEREO Gen. sub-channel | To antenna terminals Tune to signal | V.T.V.M. and Oscilloscope at TP ₄₀₃ | T ₄₀₃ | Maximum |
| 6. | 38 kHz Transformer and Separation VR | FM Signal Gen. Modulated 30% by STEREO Signal Gen. channel-L | To antenna terminals Tune to signal | V.T.V.M. and Oscilloscope at output load channel-R | T ₄₀₃ 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 TP ₃₀₂ | | Top side from the 1st I.F.T. (T ₃₀₂) to the 3rd I.F.T. (T ₃₀₅) | 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 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 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 ₀₀₁ | Maximum |
| 7. | RF amp. | AM-generator 1400 kHz 400 Hz 30% Modulation | Antenna terminals | Oscilloscope and V.T.V.M. at output load | 1400 kHz | RF Trimmer TC ₃₀₂ | Maximum |
| 8. | Antenna circuit | AM-generator 1400 kHz 400 Hz 30% Modulation | Antenna terminals | Oscilloscope and V.T.V.M. at output load | 1400 kHz | Antenna circuit Trimmer TC ₃₀₁ | Maximum |
| 9. | Reiterate 5, 6, 7, 8. | | | | | | |

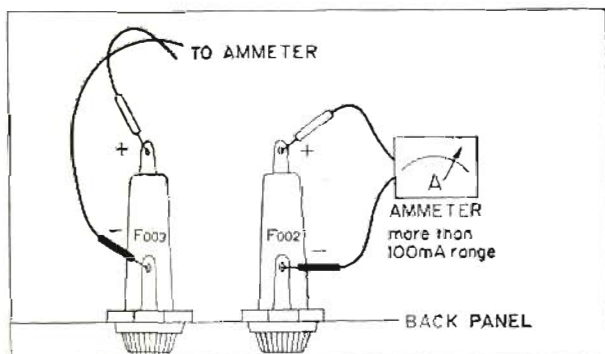
AM IF WAVE FORM



ALIGNMENT

1. CURRENT ADJUSTMENT

| STEP | SETTING OF AMMETER (TESTER) | WHAT TO DO | NOTE |
|------|-----------------------------|---|--|
| 1. | | Remove F_{002} and F_{003} | 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. | 100mA range. | Connect the ammeter to F_{002} as illustrated in Fig. 1. | |
| 6. | | Turn VR_{802} (left channel) clockwise and adjust current to 20 to 26 mA. | |
| 7. | 100mA range. | Push the POWER switch OFF and attach F_{002} in place. | |
| 8. | | Push the POWER switch ON and connect the ammeter to F_{003} as illustrated in Fig. 1. | |
| 9. | | Turn VR_{802} (right channel) clockwise and adjust current to 20 to 26mA. | |
| 10. | | Attach F_{003} in place. | |



(Fig. 1) QUICK-ACTING FUSE HOLDER

2. OUTPUT ADJUSTMENT

| STEP | WHAT TO DO | NOTE |
|------|--|---|
| 1. | Adjust the volume control to minimum. | |
| 2. | Set an oscillator to 1,000 Hz and connect it to the LEFT AUX input. | The oscillator used should have the oscillation frequency of 20 to 20,000 Hz and the output voltage of more than 200mV. |
| 3. | Set the SELECTOR switch to AUX. | |
| | | BALANCE to CENTER |
| | | TAPE MON to OFF MODE to STEREO TONE to CENTER Other to OFF |
| 4. | Connect a 8- or 16-ohm load resistor having capacitor of more than 60 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. | |

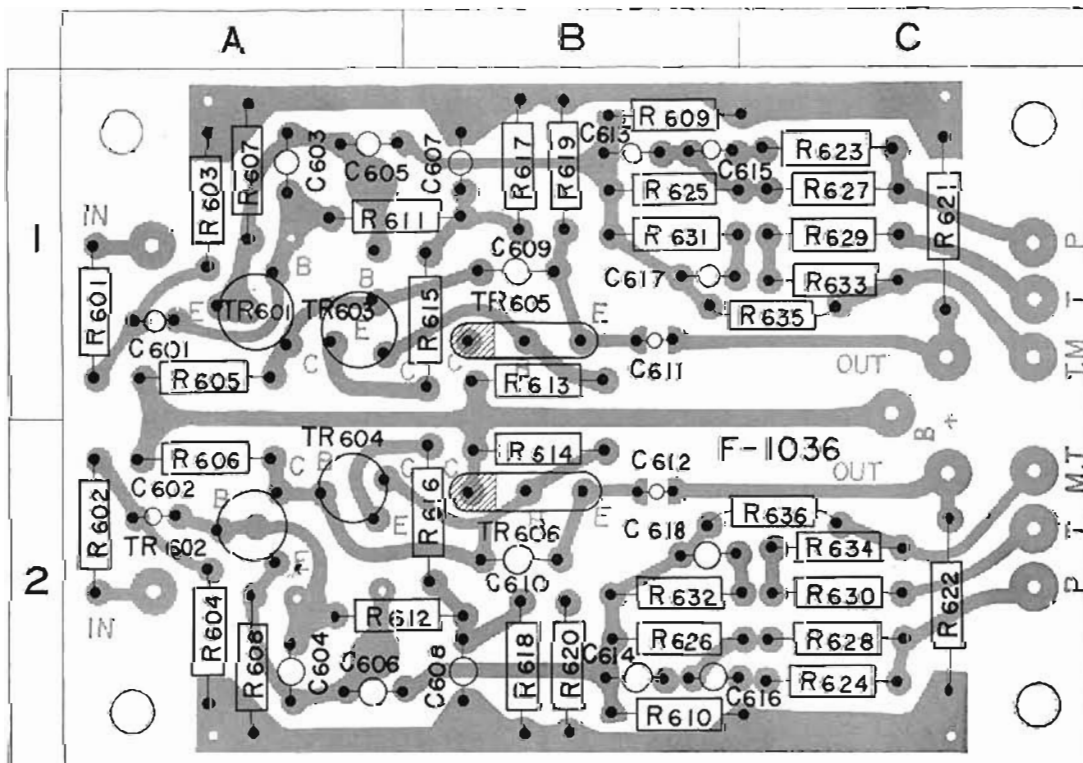
PRINTED CIRCUIT BOARDS AND PARTS LIST

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

EQUALIZER AMP. (F-1036A)

| W | X | Y | Z |
|------|-------|---------|-------|
| R601 | 1kΩ | 0101102 | 1A |
| R602 | 1kΩ | 0101102 | 2A |
| R603 | 680kΩ | 0101684 | 1A |
| R604 | 680kΩ | 0101684 | 2A |
| R605 | 220kΩ | 0101224 | 1A |
| R606 | 220kΩ | 0101224 | 2A |
| R607 | 1kΩ | 0101102 | 1A |
| R608 | 1kΩ | 0101102 | 2A |
| R609 | 470Ω | 0101471 | 1B |
| R610 | 470Ω | 0101471 | 2B |
| R611 | 270kΩ | 0101274 | 1A, B |
| R612 | 270kΩ | 0101274 | 2A, B |
| R613 | 33kΩ | 0101333 | 1B |
| R614 | 33kΩ | 0101333 | 2B |
| R615 | 680Ω | 0101681 | 1B |
| R616 | 680Ω | 0101681 | 2B |
| R617 | 2.2kΩ | 0101222 | 1B |
| R618 | 2.2kΩ | 0101222 | 2B |
| R619 | 3.9kΩ | 0101392 | 1B |
| R620 | 3.9kΩ | 0101392 | 2B |
| R621 | 39kΩ | 0101393 | 1C |
| R622 | 39kΩ | 0101393 | 2C |
| R623 | 820Ω | 0101821 | 1C |
| R624 | 820Ω | 0101821 | 2C |
| R625 | 220kΩ | 0101224 | 1B |
| R626 | 220kΩ | 0101224 | 2B |
| R627 | 18kΩ | 0101183 | 1C |
| R628 | 18kΩ | 0101183 | 2C |

| W | X | Y | Z | |
|-------|------------------------|----------------|---------|----|
| R633 | 4.7kΩ | ±10% 1/4W CR. | 0101472 | 1C |
| R634 | 4.7kΩ | | 0101472 | 2C |
| C601 | 1.5μF | 16 V TC. | 0572159 | 1A |
| C602 | 1.5μF | | 0572159 | 2A |
| C603 | 150pF | ±10% 50 V CC. | 0660151 | 1A |
| C604 | 150pF | | 0660151 | 2A |
| C605 | 220μF | 6.3 V EC. | 0510221 | 1A |
| C606 | 220μF | | 0510221 | 2A |
| C607 | 10μF | 10 V EC. | 0511100 | 1B |
| C608 | 10μF | | 0511100 | 2B |
| C609 | 30pF | ±10% 50 V MIC. | 0641300 | 1B |
| C610 | 30pF | | 0641300 | 2B |
| C611 | 10μF | 25 V EC. | 0513100 | 1B |
| C612 | 10μF | | 0513100 | 2B |
| C613 | 0.015μF | ±10% 50 V MC. | 0601157 | 1B |
| C614 | 0.015μF | | 0601157 | 2B |
| C615 | 0.004μF | ±10% 50 V MC. | 0601406 | 1B |
| C616 | 0.004μF | | 0601406 | 2B |
| C617 | 0.0047μF | | 0601476 | 1B |
| C618 | 0.0047μF | | 0601476 | 2B |
| TR601 | 2SC632A-71, 81 (White) | | 0305766 | 1A |
| TR602 | | | 0305766 | 2A |
| TR603 | 2SC632A-71 | | 0305761 | 1A |
| TR604 | | | 0305761 | 2A |
| TR605 | 2SC632A-81 | | 0305762 | 1B |
| TR606 | | | 0305762 | 2B |



PRINTED CIRCUIT BOARDS AND PARTS LIST

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

TONE, MIC <F-1350-3>

| W | X | Y | Z |
|------|-------|---------|-------|
| R700 | 56Ω | 0101560 | 2C |
| R701 | 1kΩ | 0101102 | 1A |
| R702 | 1kΩ | 0101102 | 1A |
| R703 | 47kΩ | 0101473 | 2B |
| R704 | 47kΩ | 0101473 | 1B |
| R705 | 68kΩ | 0101683 | 2B |
| R706 | 68kΩ | 0101683 | 1B |
| R707 | 100kΩ | 0101104 | 2B |
| R708 | 100kΩ | 0101104 | 2B |
| R709 | 1kΩ | 0101102 | 2B |
| R710 | 1kΩ | 0101102 | 1B |
| R711 | 12kΩ | 0101123 | 2B |
| R712 | 12kΩ | 0101123 | 1B |
| R713 | 120kΩ | 0101124 | 2B |
| R714 | 120kΩ | 0101124 | 1B |
| R715 | 12kΩ | 0101123 | 2B |
| R716 | 12kΩ | 0101123 | 1B |
| R717 | 2.7kΩ | 0101272 | 2B |
| R718 | 2.7kΩ | 0101272 | 1B |
| R719 | 10kΩ | 0101103 | 1C |
| R720 | 10kΩ | 0101103 | 1B |
| R721 | 6.8kΩ | 0101682 | 1B |
| R722 | 6.8kΩ | 0101682 | 1B |
| R723 | 150kΩ | 0101154 | 1C |
| R724 | 150kΩ | 0101154 | 1C |
| R725 | 22kΩ | 0101223 | 2C |
| R726 | 22kΩ | 0101223 | 1C |
| R727 | 10kΩ | 0101103 | 1C |
| R728 | 10kΩ | 0101103 | 1C |
| R729 | 6.8kΩ | 0101682 | 1C |
| R730 | 6.8kΩ | 0101682 | 1C |
| R731 | 470kΩ | 0101474 | 2B |
| R732 | 470kΩ | 0101474 | 1C |
| R733 | 150kΩ | 0101154 | 1B |
| R734 | 150kΩ | 0101154 | 1C |
| R737 | 560Ω | 0101561 | 2C |
| R738 | 560Ω | 0101561 | 1, 2C |
| R739 | 5.6kΩ | 0101562 | 1B |
| R740 | 5.6kΩ | 0101562 | 1B |
| R741 | 39kΩ | 0101393 | 2B |
| R742 | 39kΩ | 0101393 | 2C |
| R743 | 120kΩ | 0101124 | 2C |
| R744 | 120kΩ | 0101124 | 2C |
| R745 | 2.2kΩ | 0101222 | 2A |
| R746 | 330kΩ | 0101334 | 2A |
| R747 | 10kΩ | 0101103 | 2A |
| R748 | 68kΩ | 0101683 | 2A |
| R749 | 1kΩ | 0101102 | 2A |
| R750 | 1kΩ | 0101102 | 1A |
| R751 | 2.2kΩ | 0101222 | 2A |
| R752 | 150kΩ | 0101154 | 2A |
| R753 | 390Ω | 0101391 | 2A |
| R754 | 220kΩ | 0101224 | 2A |
| R755 | 220kΩ | 0101224 | 2A |
| R756 | 5.6kΩ | 0101562 | 2A |
| R757 | 680Ω | 0101681 | 2A |
| R758 | 1kΩ | 0101102 | 2B |
| R759 | 68kΩ | 0101683 | 2A |

±10% 1/4W CR.

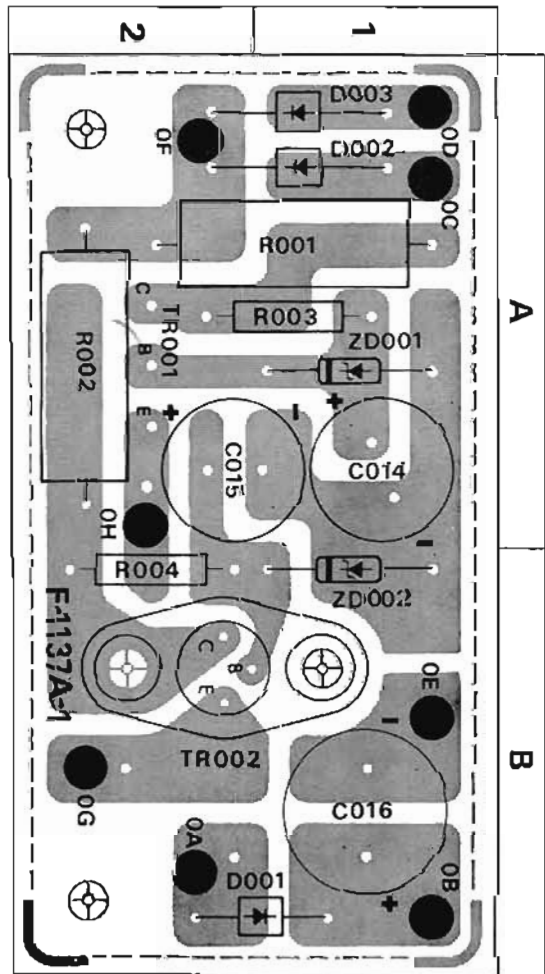
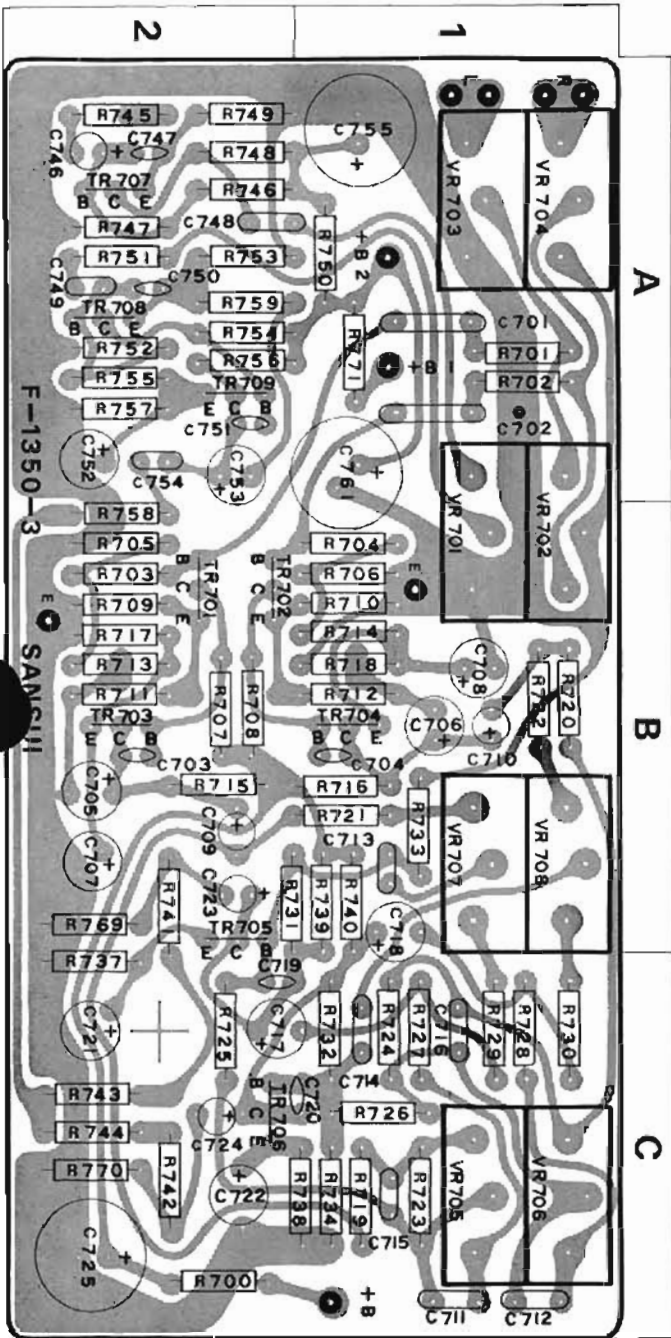
| W | X | Y | Z |
|-------|-------------------------|---------|-------|
| R769 | 47kΩ | 0101473 | 2B |
| R770 | 47kΩ | 0101473 | 2C |
| C701 | 0.22μF | 0601228 | 1A |
| C702 | 0.22μF | 0601228 | 1A |
| C703 | 22pF | 0661220 | 2B |
| C704 | 22pF | 0661220 | 1B |
| C705 | 33μF | 0512330 | 2B |
| C706 | 33μF | 0512330 | 1B |
| C707 | 33μF | 0512330 | 2B |
| C708 | 33μF | 0512330 | 1B |
| C709 | 1μF | 0515109 | 2B |
| C710 | 1μF | 0515109 | 1B |
| C711 | 0.04μF | 0601407 | 1C |
| C712 | 0.04μF | 0601407 | 1C |
| C713 | 0.0015μF | 0601156 | 1B |
| C714 | 0.0015μF | 0601156 | 1C |
| C715 | 0.04μF | 0601407 | 1C |
| C716 | 0.04μF | 0601407 | 1C |
| C717 | 3.3μF | 0514339 | 2C |
| C718 | 3.3μF | 0514339 | 1B |
| C719 | 100pF | 0650101 | 2C |
| C720 | 100pF | 0650101 | 1, 2C |
| C721 | 33μF | 0512330 | 2C |
| C722 | 33μF | 0512330 | 2C |
| C723 | 1μF | 0515109 | 2B |
| C724 | 1μF | 0515109 | 2B |
| C725 | 220μF | 0513221 | 2C |
| C746 | 1.5μF | 0572159 | 2A |
| C747 | 100pF | 0660101 | 2A |
| C748 | 0.06μF | 0601607 | 2A |
| C749 | 0.03μF | 0601307 | 2A |
| C750 | 100pF | 0660101 | 2A |
| C751 | 100pF | 0660101 | 2A |
| C752 | 47μF | 0511470 | 2A |
| C753 | 10μF | 0515100 | 2A |
| C754 | 0.022μF | 0601227 | 2A |
| C755 | 100μF | 0515101 | 1A |
| VR701 | 30k(A) Mic. Control | 1010210 | 1B |
| VR702 | 250k(W) Balance Control | | |
| VR703 | 250k(B) | 1010200 | 1A |
| VR704 | 250k(B) | | |
| VR705 | 100k(B) | 1020040 | 1C |
| VR706 | 100k(B) | | |
| VR707 | 100k(B) | 1020040 | 1B |
| VR708 | 100k(B) | | |
| TR701 | 2SC871 (F) | 0305472 | 2B |
| TR702 | | 0305472 | 2B |
| TR703 | | 0305472 | 2B |
| TR704 | | 0305472 | 1B |
| TR705 | | 0305472 | 2B |
| TR706 | | 0305472 | 2C |
| TR707 | 2SC871R (F) | 0305472 | 2A |
| TR708 | | 0305475 | 2A |
| TR709 | | 0305472 | 2A |

Abbreviations

| | |
|-----------------------------|-------------------------|
| CR : Carbon Resistor | MIC: Mica Capacitor |
| SR : Solid Resistor | OC : Oil Capacitor |
| CeR: Cement Resistor | CC : Ceramic Capacitor |
| MC : Mylar Capacitor | TC : Tantalum Capacitor |
| EC : Electrolytic Capacitor | |

RIPPLE FILTER (F-1137A-1)

| W | X | Y | Z |
|-------|-------------------|---------------|--------|
| R001 | 10Ω ±10% 1W CR. | 0104100 | 1 A |
| R002 | 180Ω ±10% 3W CeR. | 0153181 | 2 A |
| R003 | 3.9kΩ ±10% ½W SR. | 0111392 | 1 A |
| R004 | 1.5kΩ ±10% ½W SR. | 0111152 | 2 B |
| C014 | 100μf 50 V EC. | 0515101 | 1 A |
| C015 | 330μf 16 V EC. | 0512331 | 2 A |
| C016 | 1000μf 10 V EC. | 0511102 | 1 B |
| TR001 | 2SC696 (D, E, F) | 0305193, 4, 5 | 2 A |
| TR002 | 2SD223 (O, Y, G) | 0308230, 1, 2 | 1, 2 B |
| D001 | | 0310780 | 1, 2 B |
| D002 | 5-05-02 | 0310780 | 1 A |
| D003 | | 0310780 | 1 A |
| ZD001 | Z81-27 | 0310750 | 1 A |
| ZD002 | Z81-13 | 0310750 | 1 B |



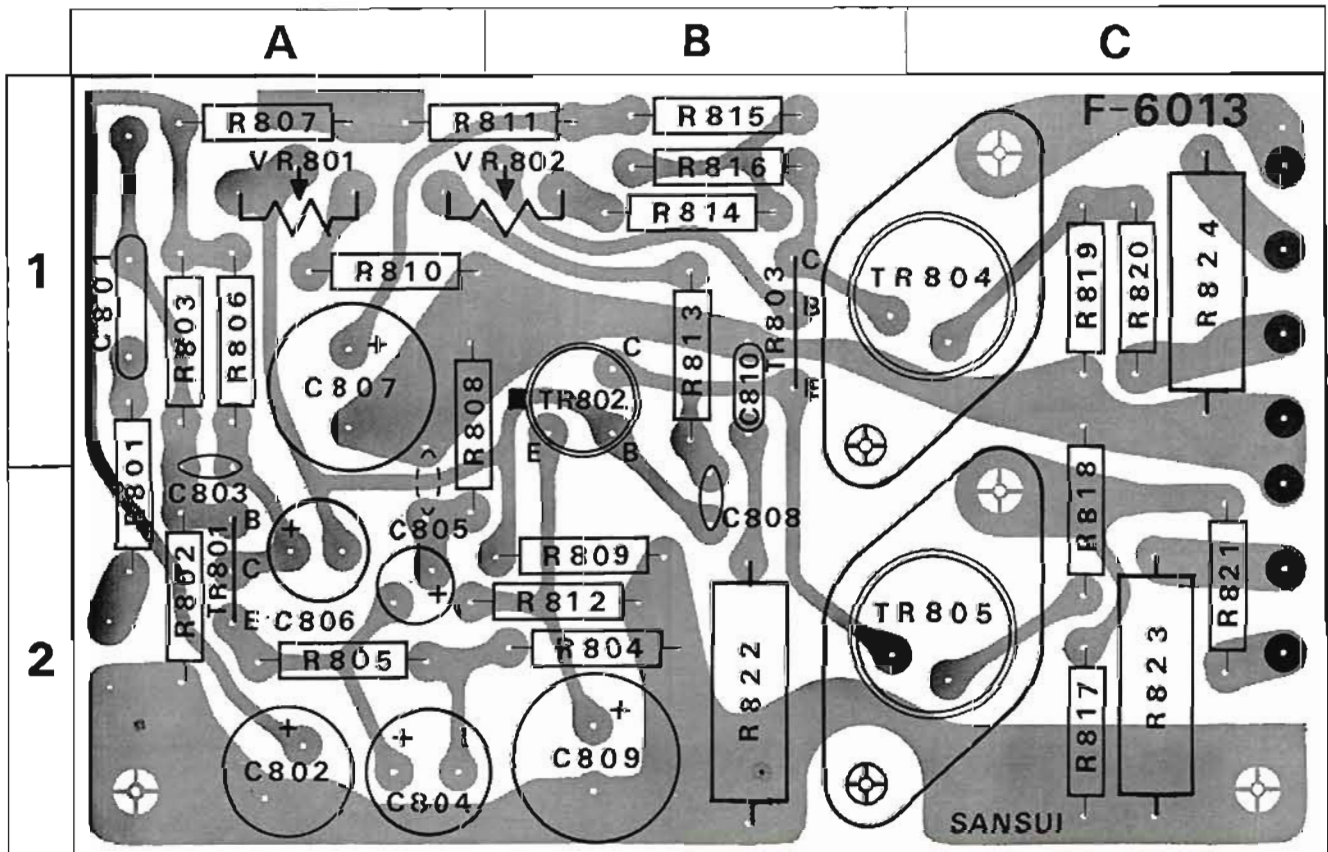
PRINTED CIRCUIT BOARDS AND PARTS LIST

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

DRIVER AMP. BLOCK <F-6013>

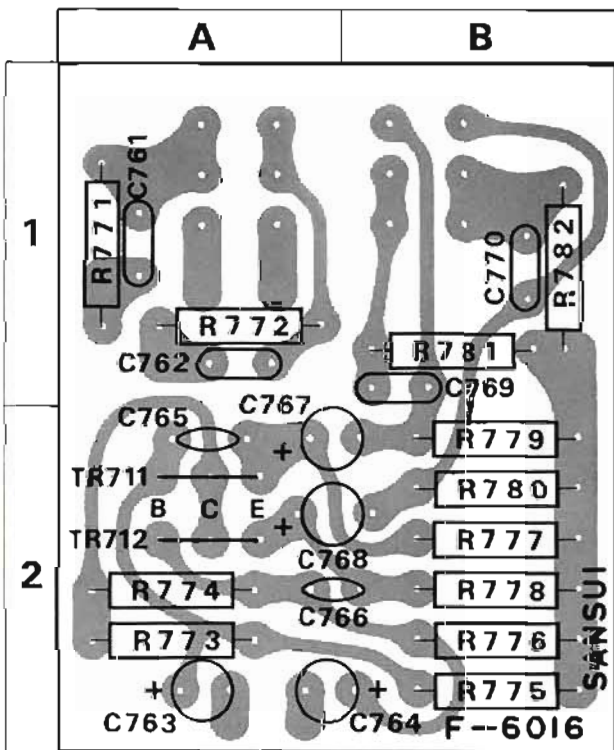
| W | X | Y | Z |
|------|-------|---------|--------|
| R801 | 10kΩ | 0101103 | 1, 2 A |
| R802 | 270kΩ | 0101274 | 2 A |
| R803 | 560kΩ | 0101564 | 1 A |
| R804 | 100Ω | 0101101 | 2 B |
| R805 | 2.2kΩ | 0101222 | 2 A |
| R806 | 3.9kΩ | 0101392 | 1 A |
| R807 | 33kΩ | 0101333 | 1 A |
| R808 | 2.7kΩ | 0101272 | 1 A |
| R809 | 10kΩ | 0101103 | 2 B |
| R810 | 100kΩ | 0101104 | 1 A |
| R811 | 680Ω | 0111681 | 1 A, B |
| R812 | 220Ω | 0101221 | 2 B |
| R813 | 1.5kΩ | 0101152 | 1 B |
| R814 | 3.3kΩ | 0101332 | 1 B |
| R815 | 6.8kΩ | 0111682 | 1 B |
| R816 | 39Ω | 0101390 | 1 B |
| R817 | 220Ω | 0111221 | 2 C |
| R818 | 10Ω | 0111100 | 2 C |
| R819 | 220Ω | 0111221 | 1 C |
| R820 | 6.8Ω | 0111689 | 1 C |
| R821 | 6.8Ω | 0111689 | 2 C |
| R822 | 4.7Ω | 0152479 | 2 B |

| W | X | Y | Z | |
|-------|----------------------------|--------------|---------|-----|
| R823 | 0.3Ω | ±10% 2W CeR. | 0152308 | 2 C |
| R824 | 0.3Ω | | 0152308 | 1 C |
| VR801 | 100kΩ (B) AC. Balance Adj. | 1031140 | 1 A | |
| VR802 | 1kΩ (B) Bias Adj. | 1031050 | 1 A, B | |
| C801 | 0.33μF ±10% 50 V MC. | 0601338 | 1 A | |
| C802 | 100μF 25 V EC. | 0513101 | 2 A | |
| C803 | 100pF ±10% 50 V CC. | 0660101 | 1, 2 A | |
| C804 | 220μF 6.3 V EC. | 0510221 | 2 A | |
| C805 | 4.7μF 50 V EC. | 0515479 | 2 A | |
| C806 | 3.3μF 25 V AEC. | 0563339 | 2 A | |
| C807 | 100μF 50 V EC. | 0515101 | 1 A | |
| C808 | 100pF ±10% 50 V CC. | 0660101 | 2 B | |
| C809 | 470μF 6.3 V EC. | 0510471 | 2 B | |
| C810 | 0.1μF ±10% 50 V MC. | 0601108 | 1 B | |
| TR801 | 2SC 984 (B, C) | 0305871, 2 | 2 A | |
| TR802 | 2SC 627 (3) | 0305582 | 1 B | |
| TR803 | 2SC 984 (B, C) | 0305871, 2 | 1 B | |
| TR804 | 2SC 680 (B, C) | 0305621, 2 | 2 B, C | |
| TR805 | 2SA 566 (B, C) | 0300151, 2 | 2 B, C | |



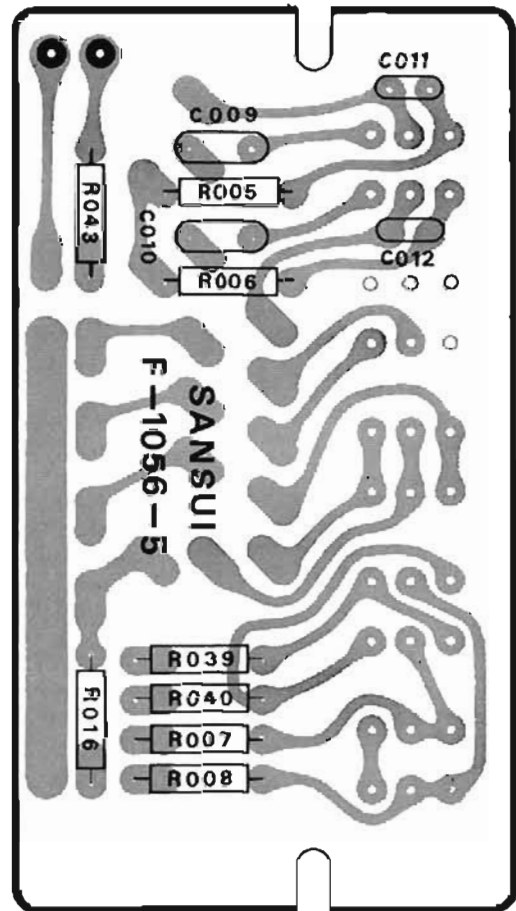
FILTER BLOCK <F-6016>

| W | X | Y | Z |
|-------|--------------------|------------|--------|
| R771 | 470k Ω | 0101474 | 1 A |
| R772 | 470k Ω | 0101474 | 1 A |
| R773 | 220k Ω | 0101224 | 2 A |
| R774 | 220k Ω | 0101224 | 2 A |
| R775 | 270k Ω | 0101274 | 2 B |
| R776 | 270k Ω | 0101274 | 2 B |
| R777 | 3.9k Ω | 0101392 | 2 B |
| R778 | 3.9k Ω | 0101392 | 2 B |
| R779 | 68k Ω | 0101683 | 2 B |
| R780 | 68k Ω | 0101683 | 2 B |
| R781 | 100k Ω | 0101104 | 1 B |
| R782 | 100k Ω | 0101104 | 1 B |
| C761 | 0.0033 μ F | 0601336 | 1 A |
| C762 | 0.0033 μ F | 0601336 | 1 A |
| C763 | 1 μ F | 0515109 | 2 A |
| C764 | 1 μ F | 0515109 | 2 A, B |
| C765 | 470pF | 0660471 | 2 A |
| C766 | 470pF | 0660471 | 2 A, B |
| C767 | 1 μ F | 0515109 | 2 A, B |
| C768 | 1 μ F | 0515109 | 2 A, B |
| C769 | 0.008 μ F | 0601806 | 1 B |
| C770 | 0.008 μ F | 0601806 | 1 B |
| TR711 | 2SC871R (E. F.) | 0305474, 5 | 2 A |
| TR712 | | 0305474, 5 | 2 A |
| S8 | High Filter Switch | 1130210 | |
| S9 | Low Filter Switch | | |



ACCESSORY CIRCUIT <F-1056-5>

| W | X | Y | Z |
|------|-----------------------|----------------------|---------|
| R005 | 27k Ω | 0101273 | |
| R006 | 27k Ω | 0101273 | |
| R007 | 8.2k Ω | 0101822 | |
| R008 | 8.2k Ω | 0101822 | |
| R016 | 18 Ω | $\pm 10\%$ 1/4W CR. | 0101180 |
| R039 | 4.7k Ω | | 0101472 |
| R040 | 4.7k Ω | | 0101472 |
| R043 | 12 Ω | | 0101120 |
| C009 | 200pF | $\pm 10\%$ 50 V MIC. | 0641201 |
| C010 | 200pF | | 0641201 |
| C011 | 0.01 μ F | $\pm 10\%$ 50 V MC. | 0601107 |
| C012 | 0.01 μ F | | 0601107 |
| S1 | Muting Switch | 1130200 | |
| S2 | FM Stereo Only Switch | | |
| S4 | Reverse Switch | | |
| S6 | Mono Switch | | |
| S7 | Loudness Switch | | |



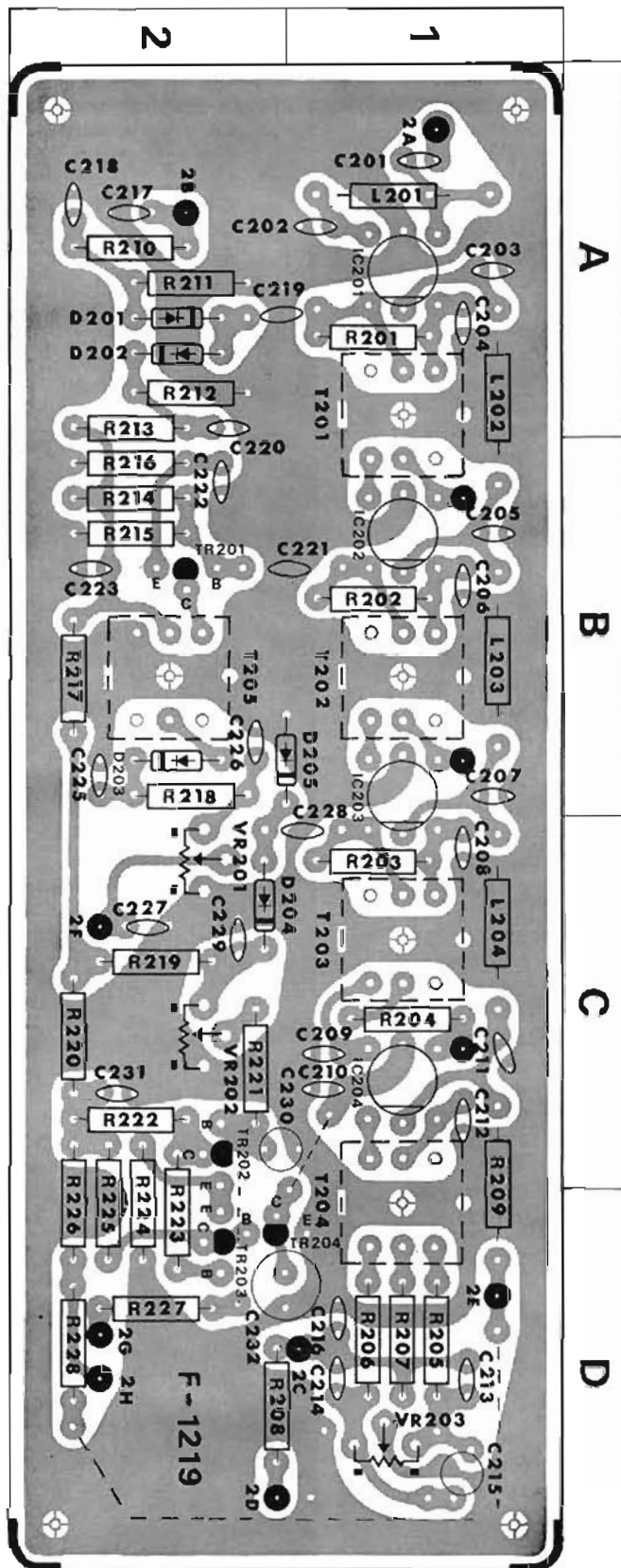
PRINTED CIRCUIT BOARDS AND PARTS LIST

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

FM IF <F-1219>

| W | X | Y | Z |
|------|---------------|---------|--------|
| R201 | 15k Ω | 0101153 | 1 A |
| R202 | 15k Ω | 0101153 | 1 B |
| R203 | 15k Ω | 0101153 | 1 C |
| R204 | 68k Ω | 0101680 | 1 C |
| R205 | 1k Ω | 0101102 | 1 D |
| R206 | 1k Ω | 0101102 | 1 D |
| R207 | 56 Ω | 0101560 | 1 D |
| R208 | 22k Ω | 0101223 | 2 D |
| R210 | 100k Ω | 0101104 | 2 A |
| R211 | 220k Ω | 0101224 | 2 A |
| R212 | 3.9k Ω | 0101392 | 2 A |
| R213 | 68k Ω | 0101683 | 2 A |
| R214 | 22k Ω | 0101223 | 2 B |
| R215 | 10k Ω | 0101103 | 2 B |
| R216 | 1k Ω | 0101102 | 2 B |
| R217 | 22 Ω | 0101220 | 2 B |
| R218 | 2.2k Ω | 0101222 | 2 B |
| R219 | 1M Ω | 0101105 | 2 C |
| R220 | 4.7 Ω | 0101479 | 2 C |
| R221 | 47k Ω | 0101473 | 2 C |
| R222 | 6.8k Ω | 0101682 | 2 C |
| R223 | 2.7k Ω | 0101272 | 2 C, D |
| R224 | 150 Ω | 0101151 | 2 C, D |
| R225 | 6.8k Ω | 0101682 | 2 C, D |
| R226 | 22 Ω | 0101220 | 2 C, D |
| R227 | 100k Ω | 0101104 | 2 D |
| R228 | 22 Ω | 0101220 | 2 D |
| C201 | 0.001 μ F | 0656102 | 1 A |
| C202 | 0.022 μ F | 0656223 | 1 A |
| C203 | 0.022 μ F | 0656223 | 1 A |
| C204 | 0.022 μ F | 0656223 | 1 A |
| C205 | 0.022 μ F | 0656223 | 1 B |
| C206 | 0.022 μ F | 0656223 | 1 B |
| C207 | 0.022 μ F | 0656223 | 1 B |
| C208 | 0.022 μ F | 0656223 | 1 C |
| C209 | 0.022 μ F | 0656223 | 1 C |
| C210 | 0.022 μ F | 0656223 | 1 C |
| C211 | 0.022 μ F | 0656223 | 1 C |
| C212 | 0.022 μ F | 0656223 | 1 C |
| C213 | 220pF | 0660221 | 1 D |
| C214 | 220pF | 0660221 | 1 D |
| C215 | 10 μ F | 0511100 | 1 D |
| C216 | 47pF | 0660470 | 1 D |
| C217 | 0.047 μ F | 0656473 | 2 A |
| C218 | 0.022 μ F | 0656223 | 2 A |
| C219 | 4.7pF | 0660479 | 1, 2 A |
| C220 | 0.022 μ F | 0656223 | 2 A |
| C221 | 2.2pF | 0660229 | 1, 2 B |
| C222 | 0.022 μ F | 0656223 | 2 B |
| C223 | 0.022 μ F | 0656223 | 2 B |
| C225 | 0.022 μ F | 0656223 | 2 B |
| C226 | 0.022 μ F | 0656223 | 2 B |
| C227 | 0.047 μ F | 0656473 | 2 C |
| C228 | 2.2pF | 0660229 | 1, 2 C |
| C229 | 0.022 μ F | 0656223 | 2 C |

| W | X | Y | Z |
|-------|---|------------------------------------|---------|
| C230 | 1 μ F 50 V EC. | 0515109 | 1, 2 C |
| C231 | 0.022 μ F $\begin{matrix} +80\% \\ -20\% \end{matrix}$ 25 V CC. | 0656223 | 2 C |
| C232 | 33 μ F | 0512330 | 1, 2 D |
| C242 | 100 μ F | 0512101 | 2 D |
| TR201 | 25C380(O) or 25C460(B, C) | 0305330 0305350, 1 | 2 B |
| TR202 | 25C828(T) | 0305270 | 2 C |
| TR203 | | 0305270 | 2 D |
| TR204 | | 0305270 | 1, 2 D |
| IC201 | μ PC555A | 0360070 | 1 A |
| IC202 | | 0360070 | 1 B |
| IC203 | | 0360070 | 1 B |
| IC204 | | 0360070 | 1 C |
| D201 | 1N60 | 0310331 | 2 A |
| D202 | | 0310331 | 2 A |
| D203 | | 0310331 | 2 B |
| D204 | | 0310331 | 2 C |
| D205 | | 0310331 | 1, 2 B |
| T201 | FM IF 10.7MHz | 4235470 | 1 A, B |
| T202 | FM IF 10.7MHz | 4235480 | 1 B |
| T203 | FM IF 10.7MHz | 4235490 | 1 C |
| T204 | FM Detector Transformer | 4235180 | 1 C, D |
| T205 | FM Meter Transformer | 4235290 | 2 B |
| L201 | 18 μ H | 4290090 | 1 A |
| L202 | 3.5 μ H | 4290011 | 1 A |
| L203 | | 4290011 | 1 B |
| L204 | | 4290011 | 1 C |
| L205 | | 4290011 | 1 C |
| VR201 | | 50k Ω (B) Signal Meter Adj. | 1030200 |
| VR202 | 100k Ω (B) Muting Adj. | 1030340 | 2 C |
| VR203 | 20k Ω (B) Tune Meter Adj. | 1030460 | 1 D |



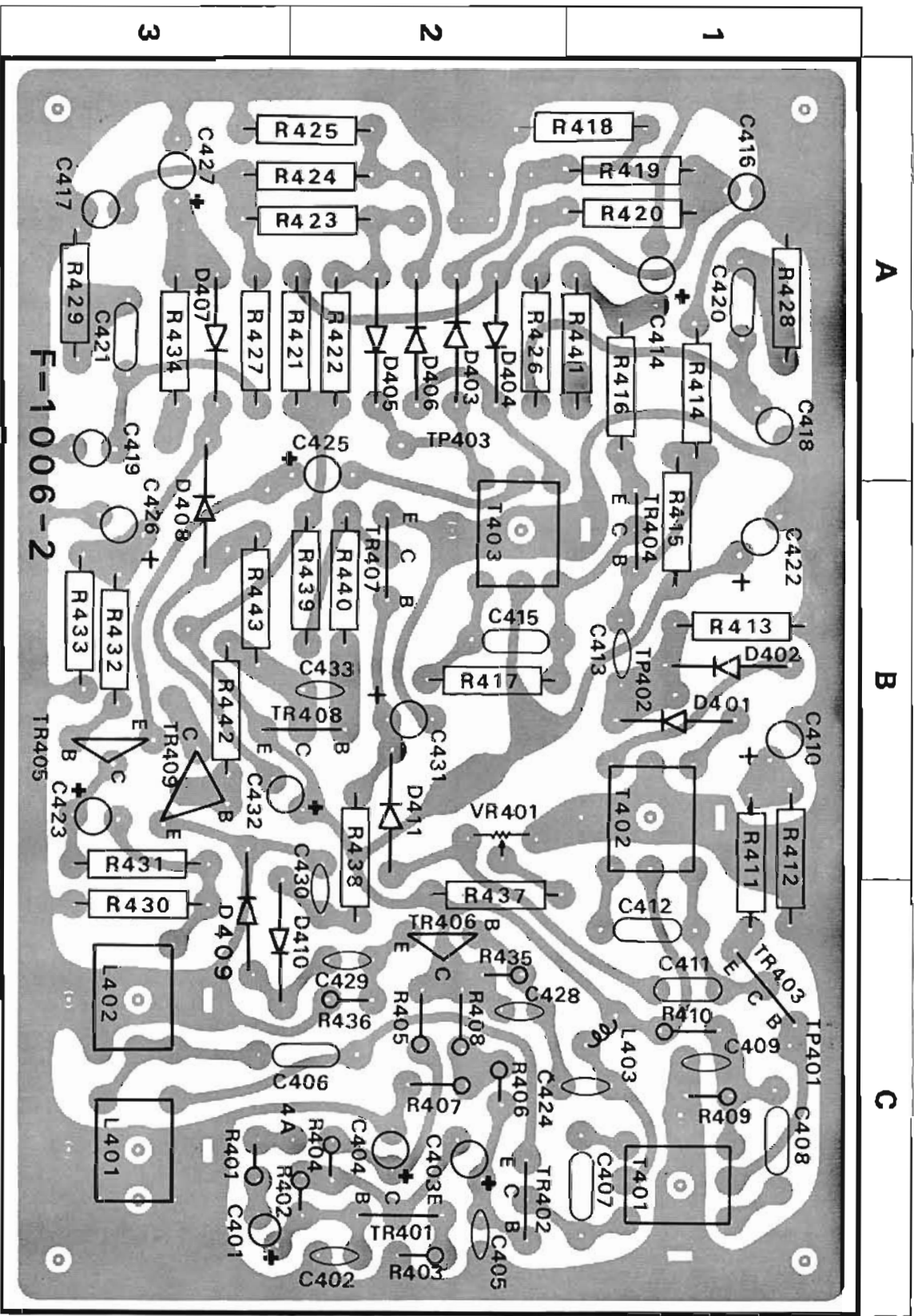
PRINTED CIRCUIT BOARDS AND PARTS LIST

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

FM MPX. <F-1006-2>

| W | X | Y | Z |
|-------|--------------------------------|---------|-------|
| R401 | 1kΩ | 0100102 | 3C |
| R402 | 330kΩ | 0100334 | 2C |
| R403 | 1kΩ | 0100102 | 2C |
| R404 | 2.2kΩ | 0100222 | 2C |
| R405 | 4.7kΩ | 0100472 | 2C |
| R406 | 47kΩ | 0100473 | 2C |
| R407 | 100kΩ | 0100104 | 1, 2C |
| R408 | 120kΩ | 0100124 | 1C |
| R409 | 27kΩ | 0100273 | 1C |
| R410 | 330kΩ | 0100334 | 1C |
| R411 | 330Ω | 0101331 | 1B, C |
| R412 | 1.2kΩ | 0101122 | 1B, C |
| R413 | 10kΩ | 0101103 | 1B |
| R414 | 27kΩ | 0101273 | 1A |
| R415 | 270kΩ | 0101274 | 1A, B |
| R416 | 680Ω | 0101681 | 1A |
| R417 | 150kΩ | 0101154 | 2B |
| R418 | 330kΩ | 0101334 | 1, 2A |
| R419 | 8.2kΩ | 0101822 | 1A |
| R420 | 8.2kΩ | 0101822 | 1A |
| R421 | 330kΩ | 0101334 | 2A |
| R422 | 330kΩ | 0101334 | 2A |
| R423 | 8.2kΩ | 0101822 | 2, 3A |
| R424 | 8.2kΩ | 0101822 | 2, 3A |
| R425 | 330kΩ | 0101334 | 2, 3A |
| R426 | 56kΩ | 0101563 | 2A |
| R427 | 56kΩ | 0101563 | 3A |
| R428 | 15kΩ | 0101153 | 1A |
| R429 | 15kΩ | 0101153 | 3A |
| R430 | 1.5kΩ | 0101152 | 3C |
| R431 | 39kΩ | 0101393 | 3B |
| R432 | 22kΩ | 0101223 | 3B |
| R433 | 100kΩ | 0101104 | 3B |
| R434 | 15kΩ | 0101153 | 3A |
| R435 | 820kΩ | 0100824 | 2C |
| R436 | 10kΩ | 0100103 | 2C |
| R437 | 180kΩ | 0101184 | 2C |
| R438 | 56kΩ | 0101563 | 2B, C |
| R439 | 10kΩ | 0101103 | 2B |
| R440 | 22kΩ | 0101223 | 2B |
| R441 | 1.2kΩ | 0101122 | 1A |
| R442 | 5.6kΩ | 0101562 | 3B |
| R443 | 10kΩ | 0101103 | 3B |
| R444 | 150kΩ | 0101154 | |
| VR401 | 200kΩ(B) Stereo Indicator Adj. | 1030350 | 2B |
| C401 | 3.3μF 25 V EC. | 0513339 | 3C |
| C402 | 100pF ±10% 50 V CC. | 0660101 | 2C |
| C403 | 10μF } 25 V EC. | 0513100 | 2C |
| C404 | 33μF } | 0513330 | 2C |
| C405 | 47pF ±10% 50 V CC. | 0660470 | 2C |
| C406 | 2800pF } ±10% 50 V MiC. | 0640282 | 2, 3C |
| C407 | 6800pF } | 0640682 | 1C |
| C408 | 6800pF } | 0640682 | 1C |
| C409 | 0.05μF ±10% 50 V MC. | 0601507 | 1C |
| C410 | 1μF 50 V EC. | 0515109 | 1B |
| C411 | 0.002μF ±10% 50 V MC. | 0601206 | 1C |

| W | X | Y | Z |
|-------|-------------------------------------|---------------------------|-------|
| C412 | 6800pF ± 5% 50 V MiC. | 0640682 | 1C |
| C413 | 0.05μF ±10% 50 V MC. | 0601507 | 1B |
| C414 | 1μF 50 V EC. | 0515109 | 1A |
| C415 | 1700pF ± 5% 50 V MiC. | 0640172 | 2B |
| C416 | 1000pF } | 0621102 | 1A |
| C417 | 1000pF } | 0621102 | 3A |
| C418 | 6800pF } ± 5% 50 V SC. | 0621682 | 1A |
| C419 | 6800pF } | 0621682 | 3A |
| C420 | 0.15μF } ±10% 50 V MC. | 0601158 | 1A |
| C421 | 0.15μF } | 0601158 | 3A |
| C422 | 220μF } | 0513221 | 1B |
| C423 | 10μF } | 0513100 | 3B |
| C424 | 0.005μF ±10% 50 V MC. | 0601506 | 1, 2C |
| C425 | 10μF 25 V BPEC. | 0533101 | 2A, B |
| C426 | 3.3μF } | 0513339 | 3B |
| C427 | 33μF } | 0513330 | 3A |
| C428 | 100pF ±10% 50 V CC. | 0660101 | 2C |
| C429 | 0.05μF } ±10% 50 V MC. | 0601507 | 2C |
| C430 | 0.005μF } | 0601506 | 2B, C |
| C431 | 1μF 50 V EC. | 0515109 | 1, 2B |
| C432 | 3.3μF 25 V EC. | 0513339 | 3B |
| C433 | 0.03μF ±10% 50 V MC. | 0601307 | 2B |
| TR401 | 2SC458 (B) | 0305111 | 2C |
| TR402 | | 0305245 | 2C |
| TR403 | 2SC536V ₁ E ₂ | 0305245 | 1C |
| TR404 | | 0305245 | 1B |
| TR405 | 2SC536V ₁ G ₁ | 0305248 | 3B |
| TR406 | 2SC536V ₁ F ₂ | 0305247 | 2C |
| TR407 | 2SC373 | 0305040 | 2B |
| TR408 | 2SA564A (P, Q) | 0300080, 1 | 2, 3B |
| TR409 | 2SC696A (A, B, D, E) or 2SC971 (2) | 0305680, 1 3 4 0305530 | 3B |
| D401 | | 0310400 | 1B |
| D402 | | 0310400 | 1B |
| D403 | 1N34A | 0310401 | 2A |
| D404 | | 0310401 | 2A |
| D405 | 1N34A (Y) | 0310401 | 2A |
| D406 | | 0310401 | 2A |
| D407 | | 0310400 | 3A |
| D408 | | 0310400 | 3A, B |
| D409 | 1N34A | 0310400 | 3B, C |
| D410 | | 0310400 | 3C |
| D411 | | 0310400 | 2B |
| T401 | 19kHz Tuning Trap | 4240210 | 1C |
| T402 | 19kHz Tuning Trap | 4240220 | 1B |
| T403 | 38kHz Tuning Trap | 4240220 | 2B |
| L401 | 67kHz Filter | 4240380 | 3C |
| L402 | 71kHz Filter | 4240250 | 3C |
| L403 | 19kHz Filter | 4900030 | 1C |



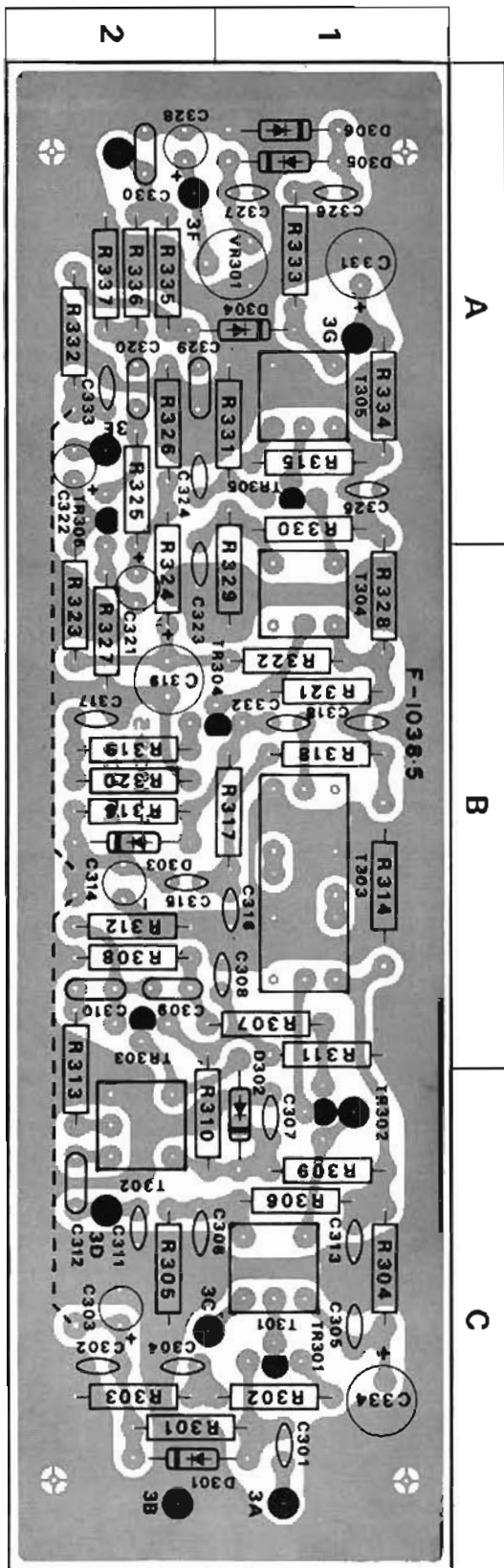
PRINTED CIRCUIT BOARDS AND PARTS LIST

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

AM IF <F-1038-5>

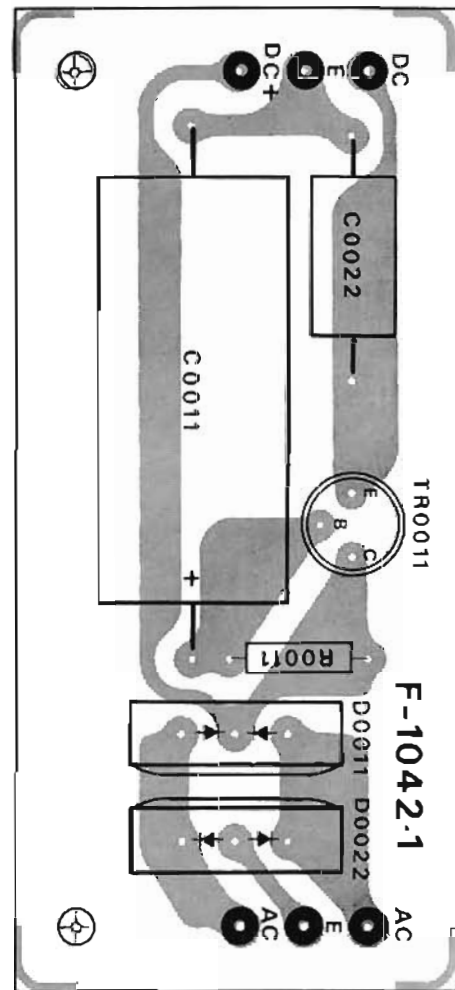
| W | X | Y | Z |
|-------|------------------------------------|---------|--------|
| R301 | 10k Ω | 0101103 | 1, 2 C |
| R302 | 39 Ω | 0101390 | 1 C |
| R303 | 1k Ω | 0101102 | 2 C |
| R304 | 100 Ω | 0101101 | 1 C |
| R305 | 3.9k Ω | 0101392 | 2 C |
| R306 | 33k Ω | 0101333 | 1 C |
| R207 | 22 Ω | 0101220 | 1, 2 B |
| R308 | 1k Ω | 0101102 | 2 B |
| R309 | 100 Ω | 0101101 | 1 C |
| R310 | 22k Ω | 0101223 | 2 B, C |
| R311 | 3.9k Ω | 0101392 | 1 B |
| R312 | 1k Ω | 0101102 | 2 B |
| R313 | 10 Ω | 0101100 | 2 B, C |
| R314 | 22 Ω | 0101220 | 1 B |
| R315 | 100k Ω | 0101104 | 1 A |
| R316 | 10k Ω | 0101103 | 2 B |
| R317 | 47k Ω | 0101473 | 1 B |
| R318 | 100 Ω | 0101101 | 1 B |
| R319 | 22 Ω | 0101220 | 2 B |
| R320 | 1k Ω | 0101102 | 2 B |
| R325 | 100k Ω | 0101104 | 2 A, B |
| R328 | 22 Ω | 0101220 | 1 A, B |
| R329 | 4.7k Ω | 0101472 | 1 A, B |
| R330 | 22k Ω | 0101223 | 1 A |
| R331 | 470 Ω | 0101471 | 1 A |
| R332 | 4.7k Ω | 0101472 | 2 A |
| R333 | 470 Ω | 0101471 | 1 A |
| R334 | 22 Ω | 0101220 | 1 A |
| R335 | 1k Ω | 0101102 | 2 A |
| R336 | 100 Ω | 0101101 | 2 A |
| R337 | 4.7k Ω | 0101472 | 2 A |
| R338 | 3.9k Ω | 0101392 | |
| VR301 | 10k Ω (B) Signal Meter Adj. | 1035130 | 1, 2 A |
| C301 | 0.022 μ F | 0656223 | 1 C |
| C302 | 0.039 μ F | 0656393 | 2 C |
| C303 | 3.3 μ F | 0513339 | 2 C |
| C304 | 0.022 μ F | 0656223 | 2 C |
| C305 | 0.039 μ F | 0656393 | 1 C |
| C306 | 0.039 μ F | 0656393 | 2 C |
| C307 | 0.039 μ F | 0656393 | 1 C |
| C308 | 0.022 μ F | 0656223 | 1 B |
| C309 | 0.01 μ F | 0600107 | 2 B |
| C310 | 0.01 μ F | 0600107 | 2 B |
| C311 | 22pF | 0660220 | 2 C |
| C312 | 430pF | 0640431 | 2 C |
| C313 | 0.022 μ F | 0656223 | 1 C |
| C314 | 4.7 μ F | 0512479 | 2 B |
| C315 | 0.022 μ F | 0656223 | 2 B |
| C316 | 0.022 μ F | 0656223 | 1 B |
| C317 | 0.039 μ F | 0656393 | 2 B |
| C318 | 0.022 μ F | 0656223 | 1 B |
| C320 | 0.0068 μ F | 0601686 | 2 A |
| C323 | 0.039 μ F | 0656393 | 2 B |
| C324 | 0.039 μ F | 0656393 | 2 A |
| C325 | 0.022 μ F | 0656223 | 1 A |

| W | X | Y | Z |
|-------|----------------|---------|--------|
| C326 | 0.022 μ F | 0656223 | 1 A |
| C327 | 0.022 μ F | 0656223 | 1 A |
| C328 | 47 μ F | 0512100 | 2 A |
| C329 | 0.012 μ F | 0601127 | 2 A |
| C330 | 0.015 μ F | 0601157 | 2 A |
| C331 | 100 μ F | 0512101 | 1 A |
| C332 | 0.022 μ F | 0656223 | 1 B |
| C333 | 0.039 μ F | 0656393 | 2 A |
| C334 | 33 μ F | 0512330 | 1 C |
| D301 | IN60 | 0310330 | 1, 2 C |
| D302 | DS-410 | 0340030 | 1 B, C |
| D303 | | 0340030 | 2 B |
| D304 | | 0310330 | 1, 2 A |
| D305 | IN60 | 0310330 | 1 A |
| D306 | | 0310330 | 1 A |
| TR301 | 2SC380 (O) | 0305331 | 1 C |
| TR302 | | 0305331 | 1 C |
| TR303 | | 0305331 | 2 B |
| TR304 | 2SC380 (R) | 0305330 | 1, 2 B |
| TR305 | | 0305330 | 1 A |
| T301 | AM RF | 4210100 | 1 C |
| T302 | AM OSC | 4220300 | 2 C |
| T303 | Ceramic Filter | 4230440 | 1 B |
| T304 | AM IFT 455kHz | 4230480 | 1 B |
| T305 | AM IFT 455kHz | 4230470 | 1 A |



DIODES STACK <F-1042-1>

| W | X | Y | Z |
|--------|-------------------|------------|---|
| R0011 | 3.3kΩ ±10% ¼W CR. | 0101332 | |
| C0011 | 100μF 100V EC. | 0507101 | |
| C0022 | 0.01μF 400V OC. | 0590107 | |
| TR0011 | 25C627 (2, 3) | 0305581, 2 | |
| D0011 | ESAC02-03C | 0310900 | |
| D0022 | ESAC02-03N | 0310910 | |



TAPE MONITOR SW <F-1052-2>

| W | X | Y | Z |
|----|-----------------------|---------|---|
| S3 | Tape Monitor 1 Switch | 1130210 | |
| S4 | Tape Monitor 2 Switch | | |

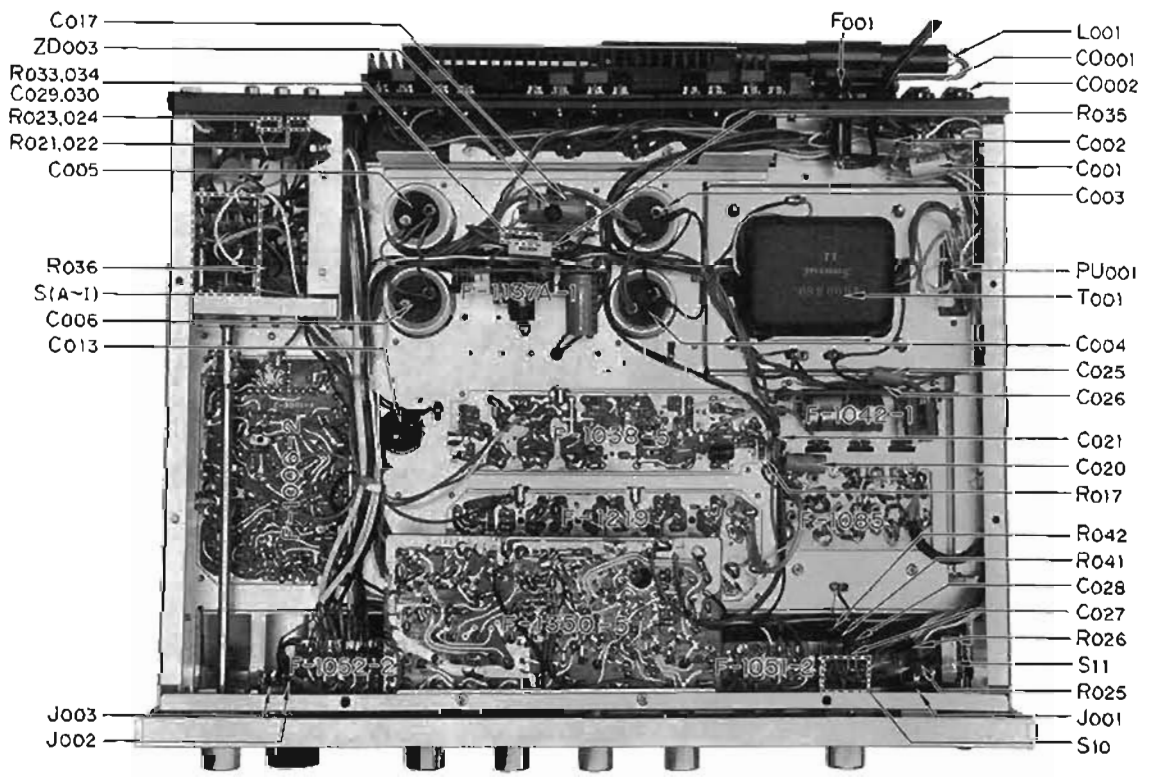
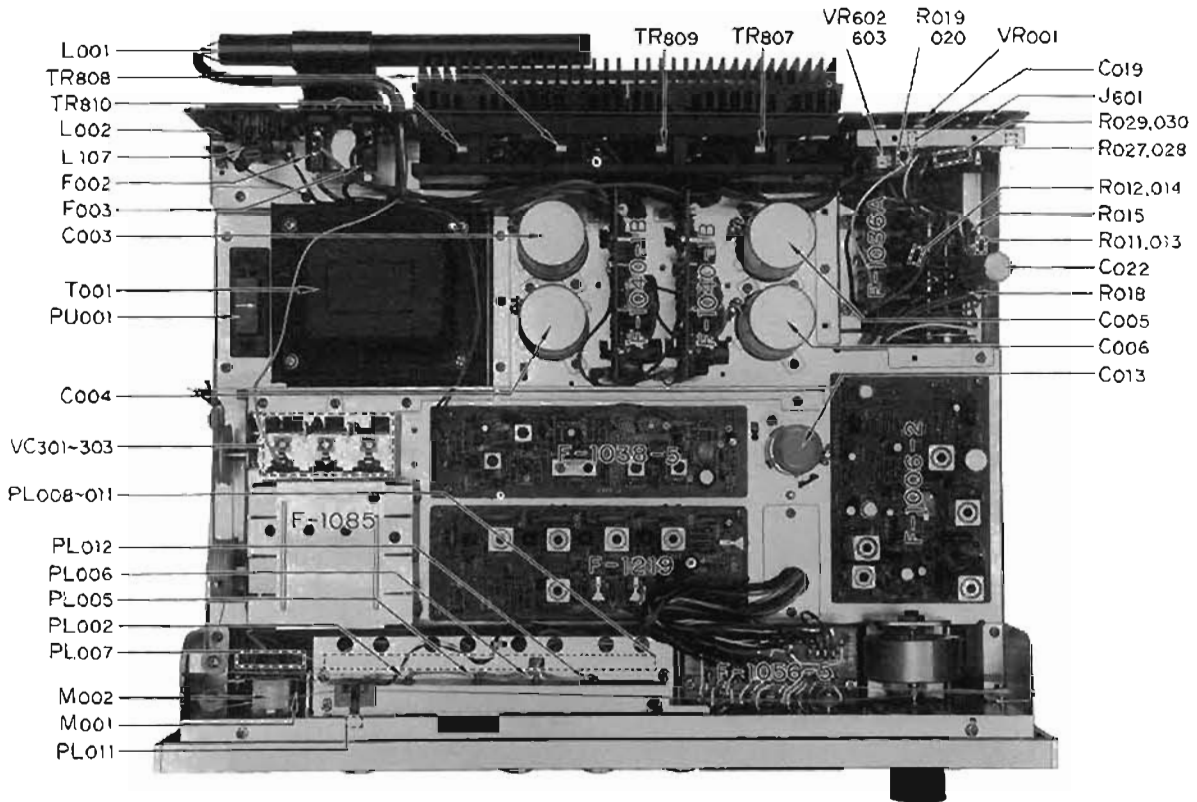
OTHER PARTS AND THEIR POSITION ON CHASSIS

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

| W | X | Y |
|-----------|--|------------|
| R011 | 150k Ω | 0101154 |
| R012 | 150k Ω | 0101154 |
| R013 | 15k Ω | 0101153 |
| R014 | 15k Ω | 0101153 |
| R015 | 22k Ω | 0101223 |
| R017 | 47 Ω | 0101470 |
| R018 | 220 Ω | 0101221 |
| R019 | 22k Ω | 0101223 |
| R020 | 22k Ω | 0101223 |
| R021 | 68k Ω | 0101683 |
| R022 | 68k Ω | 0101683 |
| R023 | 68k Ω | 0101683 |
| R024 | 68k Ω | 0101683 |
| R025 | 680 Ω | 0171681 |
| R026 | 680 Ω | 0171681 |
| R027 | 100k Ω | 0101104 |
| R028 | 100k Ω | 0101104 |
| R029 | 470k Ω | 0103474 |
| R030 | 470k Ω | 0103474 |
| R033 | 18k Ω | 0101183 |
| R034 | 18k Ω | 0101183 |
| R035 | 680 Ω | 0163681 |
| R036 | 150 Ω | 0101151 |
| R037 | 100 Ω | 0101101 |
| R041 | 10 Ω | 0101100 |
| R042 | 10 Ω | 0101100 |
| VR001 | 2k Ω (B) Separation Adjust | 1005060 |
| VR002,603 | 50k Ω (B) $\times 2$ Level Adjust | 1015010 |
| C001 | 0.022 μ F | 0591227 |
| C002 | 0.0047 μ F | 0591476 |
| C003 | 1500 μ F | 0559824 |
| C004 | 1500 μ F | 0559824 |
| C005 | 2200 μ F | 0559821 |
| C006 | 2200 μ F | 0559821 |
| C013 | 1000 μ F | 0559302 |
| C017 | 330 μ F | 0512331 |
| C019 | 0.002 μ F | 0601206 |
| C020 | 220 μ F | 0512221 |
| C021 | 0.04 μ F | 0650403 |
| C022 | 1000 μ F | 0513102 |
| C025 | 0.01 μ F | 0590107 |
| C026 | 0.01 μ F | 0550107 |
| C027 | 0.047 μ F | 0601477 |
| C028 | 0.047 μ F | 0601477 |
| C029 | 68pF | 0660680 |
| C030 | 68pF | 0660680 |
| VC301~303 | 3 Gang AM. Variable Capacitor | 1200020 |
| TR007 | | 0305781, 2 |
| TR008 | | 0305841, 2 |
| TR009 | | 0305781, 2 |
| TR010 | | 0305841, 2 |
| | 25C1079 (Y.BL) or 25C1116 (O.Y) | 0305841, 2 |
| | | 0305781, 2 |
| | | 0305841, 2 |
| | | 0305781, 2 |
| | | 0305841, 2 |

| W | X | Y |
|-------------------|-----------------------------------|---------------|
| ZD003 | Z81-14 | 0310691 |
| PL001 | 5V 60mA Needle Lamp | 0400100 |
| PL002 | 6V 100mA Stereo Indicator Lamp | 0400161 |
| PL003 | 6.3V 250mA Power Indicator Lamp | 0420020 |
| PL004 | | 0420020 |
| PL005 | 6V 100mA Phono 2 Indicator Lamp | 0400161 |
| PL006 | 6V 100mA Phono 1 Indicator Lamp | 0400161 |
| PL007 | 6.3V 250mA Dial Indicator Lamp | 0420020 |
| PL008 | | 0420020 |
| PL009 | | 0420020 |
| PL010 | | 0420020 |
| PL011 | 6.3V 250mA Aux Indicator Lamp | 0420020 |
| PL012 | | 0420020 |
| CO001 | AC Outlet | 2450010 |
| CO002 | | 2450010 |
| PU001 | Voltage Selector | 2410080 |
| | | 2410090 |
| M001 | $\pm 100\mu$ A Tune Meter | 4300410 |
| M002 | 200 μ A Signal Meter | 4300400 |
| L001 | AM Ferrite Bar Antenna | 4200380 |
| L002 | Indicator | 4900110 |
| L107 | 75 Ω /300 Ω balloon | 4290021 |
| T001 | Power Transformer | 4000250 |
| F001 | 5A Power Fuse (100~117V) | 0430062 |
| | 3A Power Fuse (220~240V) | 0430042 |
| F002 | 4A Quick Acting Fuse | 0433270 |
| F003 | | 0433270 |
| S _A ~1 | Selector Switch | 1105090 |
| S10 | Speaker Selector Switch | 1102310 |
| S11 | Power Switch | 1130320 |
| J001 | Headphones Jack | 2430071 |
| J002 | Tape 2 Rec. Jack | 2430071 |
| J003 | Mic Jack | 2430110 |
| J601 | DIN Jack | 2430050 |
| F-1085 | FM Front End | 7510350, 1, 2 |

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



Sansui

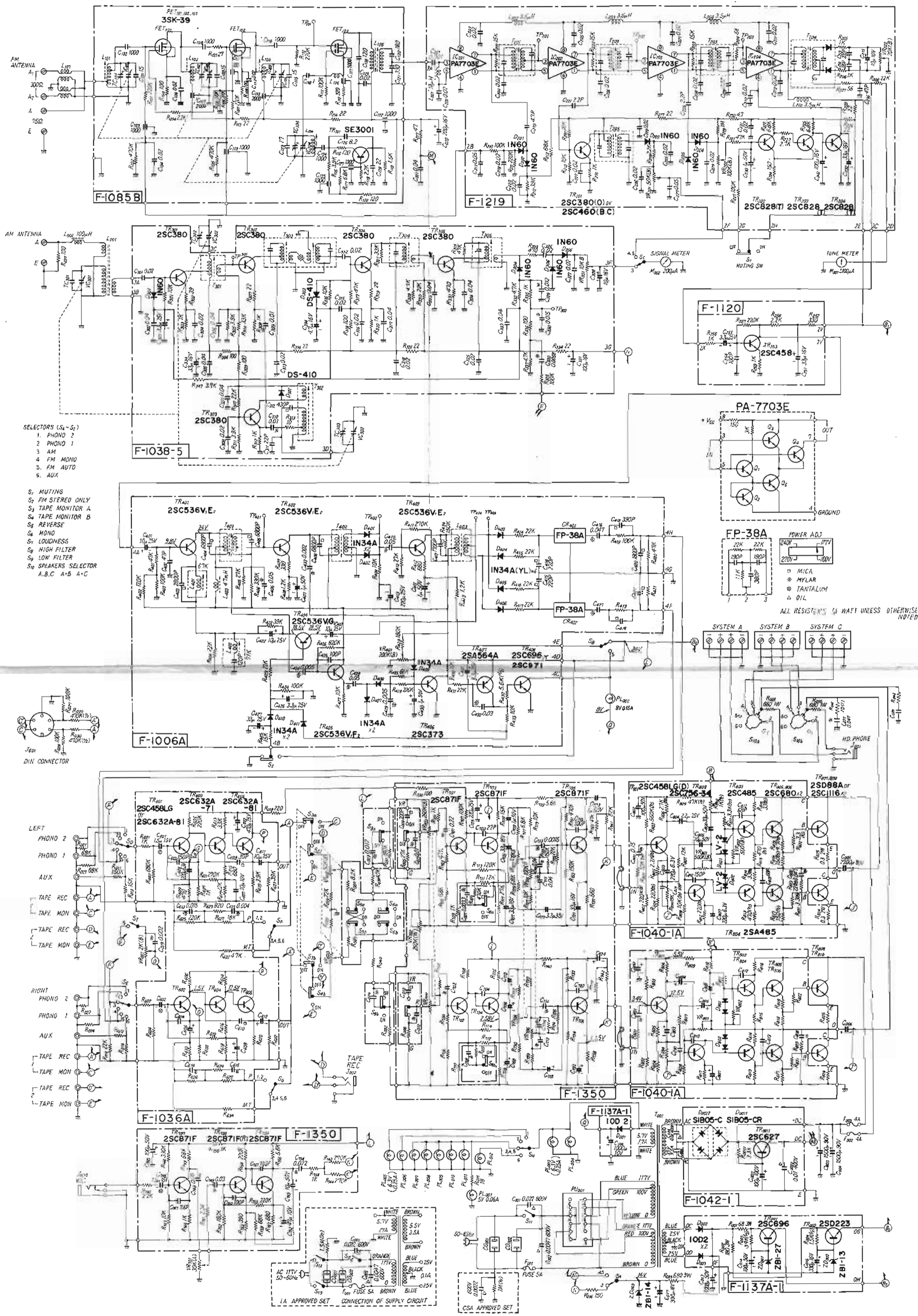
SANSUI ELECTRIC CO., LTD.

14-1, 2-chome, Izumi, Suginami-ku, Tokyo 168, Japan.
TELEPHONE: (03) 323-1111 / TELEX: 232-2076

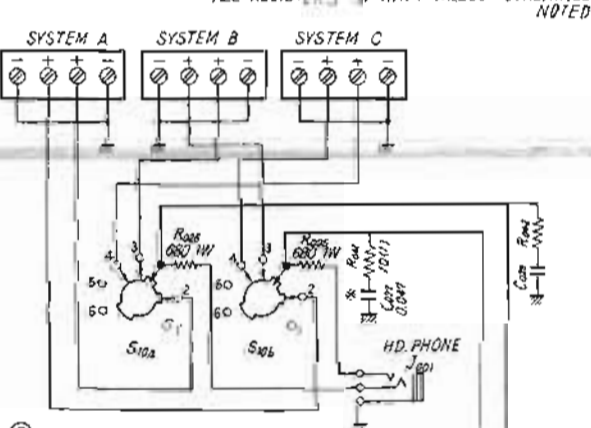
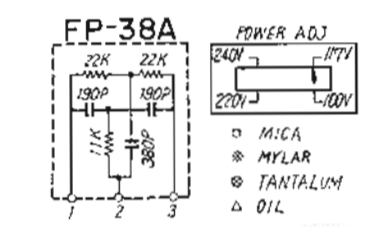
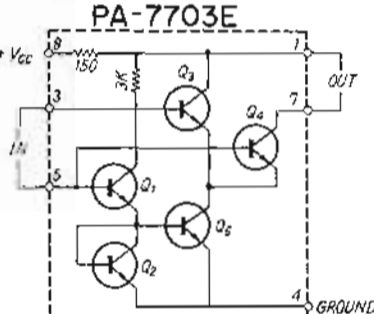
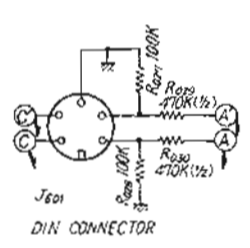
Stock No. 9216280

Printed in Japan (72020MT1)

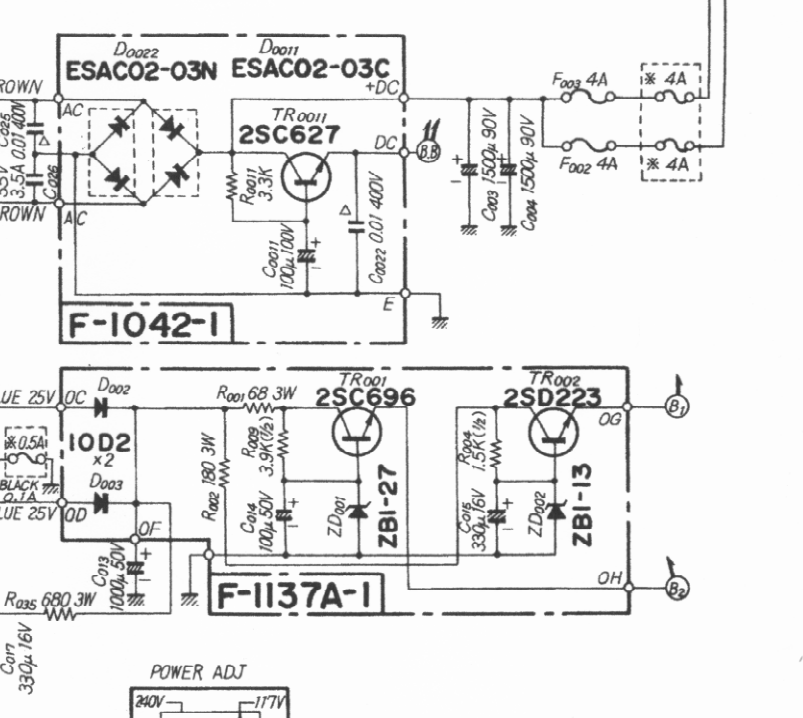
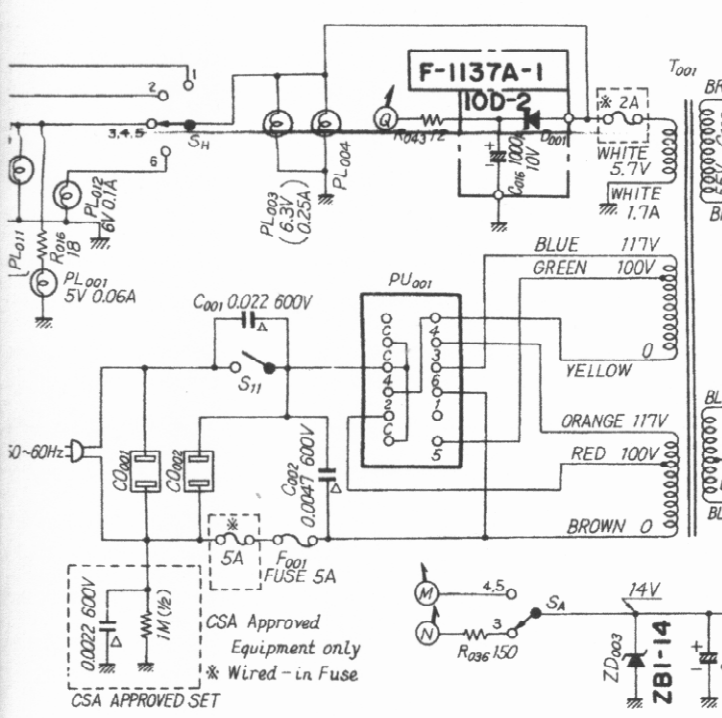
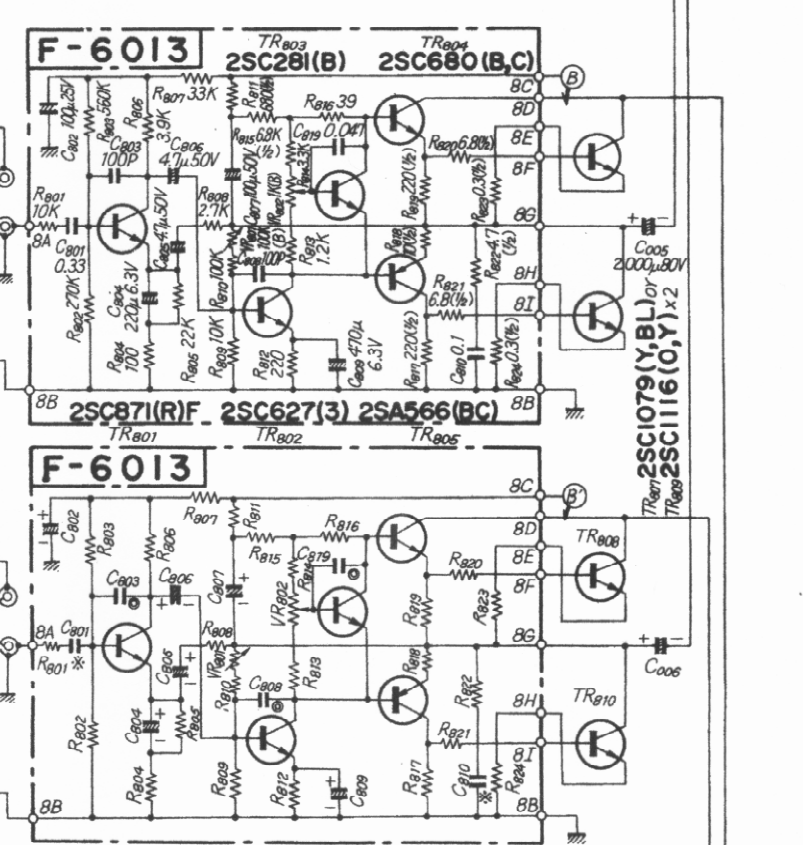
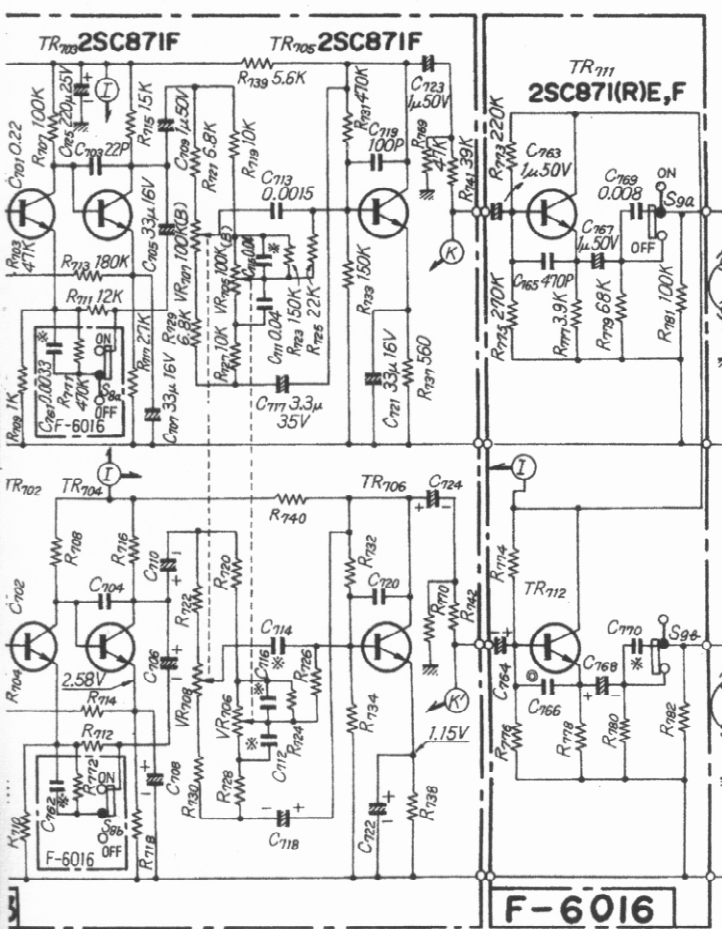
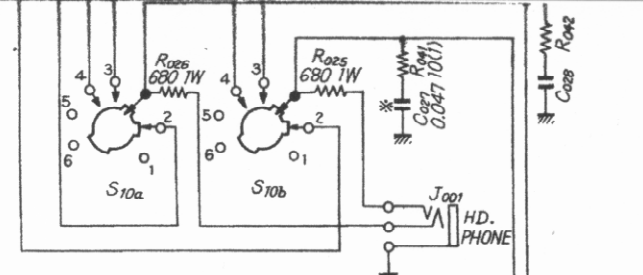
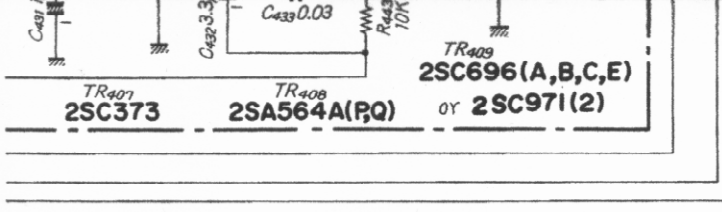
SANSUI 5000X SCHEMATIC DIAGRAM



- SELECTORS (S₁-S₆)
1. PHONO 2
 2. PHONO 1
 3. AM
 4. FM MONO
 5. FM AUTO
 6. AUX
- S, MUTING
 S₁, FM STEREO ONLY
 S₂, TAPE MONITOR A
 S₃, TAPE MONITOR B
 S₄, REVERSE
 S₅, MONO
 S₆, LOUDNESS
 S₇, HIGH FILTER
 S₈, LOW FILTER
 S₉, SPEAKERS SELECTOR
 A, B, C A-B A-C



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



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 notice for purposes of improvement