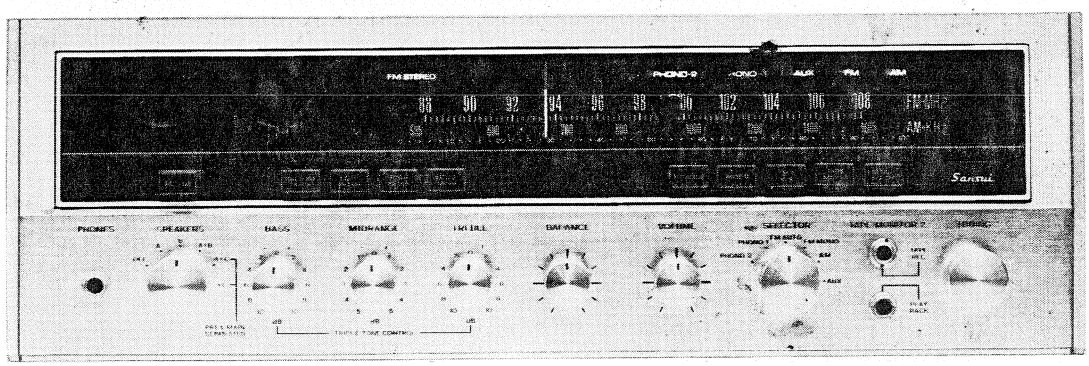
SERVICE MANUAL

SOLID-STATE AM/FM STEREO TUNER AMPLIFIER

SANSUI EIGHT



Sansui

SANSUI ELECTRIC COMPANY LIMITED

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SPEAKERS
BASS
MIDRANGE
TREBLE
BALANCE
VOLUME
SELECTOR
PHONO
FM AUTO
FM MONO
AM
AUX
TAPE MONITOR 2
TAPE REC
PLAY BACK
TUNING
PRE/MAIN SEPARATED
TRIPLE TONE CONTROL

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

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

4. Defective audio components

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

PROGRAM	SYMPTOM	PROBABLE CAUSE	WHAT TO DO
AM, FM or MPX reception	A. Constant or intermittent noise heard at times or in a certain area	* Discharge or oscillation caused by electrical appliances, such as fluorescent lamp, TV set, D.C. motor rectifier or oscillator * Natural phenomena, such as atmospheric, static or thunderbolts * Insufficient antenna input due to ferroconcrete wall or long distance from the station * Wave interference from other electrical appliances	* Attach a noise limiter to the electrical appliance causing the noise, or attach it to the amplifiers power source * Install an outdoor antenna and ground the amplifier to raise the signal-to-noise ratio * Reverse the power cord plug-receptacle connections * If the noise occurs at a certain frequency, attach a wave trap to the ANT. input * Keep the set at a proper distance from other electrical appliances
	B. The needle of the signal and tune meter does not move sharply	* Receiver is located in a weak signal area	* Place the set to receive maximum signal strength
	C. The zero point of the meter diverges much	* Regional difference in field intensity	* The unit is not at fault
AM reception	A. Noise heard at a particular time of a day, in a certain area or over part of dial	* Due to the nature of AM broadcasts	* Install the antenna for maximum antenna efficiency. See "ANTENNA" in the operating instructions * In some cases, the noise can be eliminated by grounding the amplifier or reversing the power cord plug-receptacle connections
	B. High-frequency noise	* Adjacent-channel interference or beat interference * TV set too close to audio system	* Although such noise cannot be eliminated by the amplifier, it is advisable to adjust the TREBLE control from midpoint to left and switch on the HIGH FILTER * Keep the TV set at a proper distance from the audio system
FM reception	A. Noisy	* Poor noise limiter effect or too low SN ratio due to insufficient antenna input 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	* Install the antenna (attached) for maximum signal strength * If this does not prove effective, use an outdoor antenna designed exclusively for FM. When you use a TV antenna for both TV and FM with a divider, make sure TV reception is not affected * An excessively long antenna may cause noise

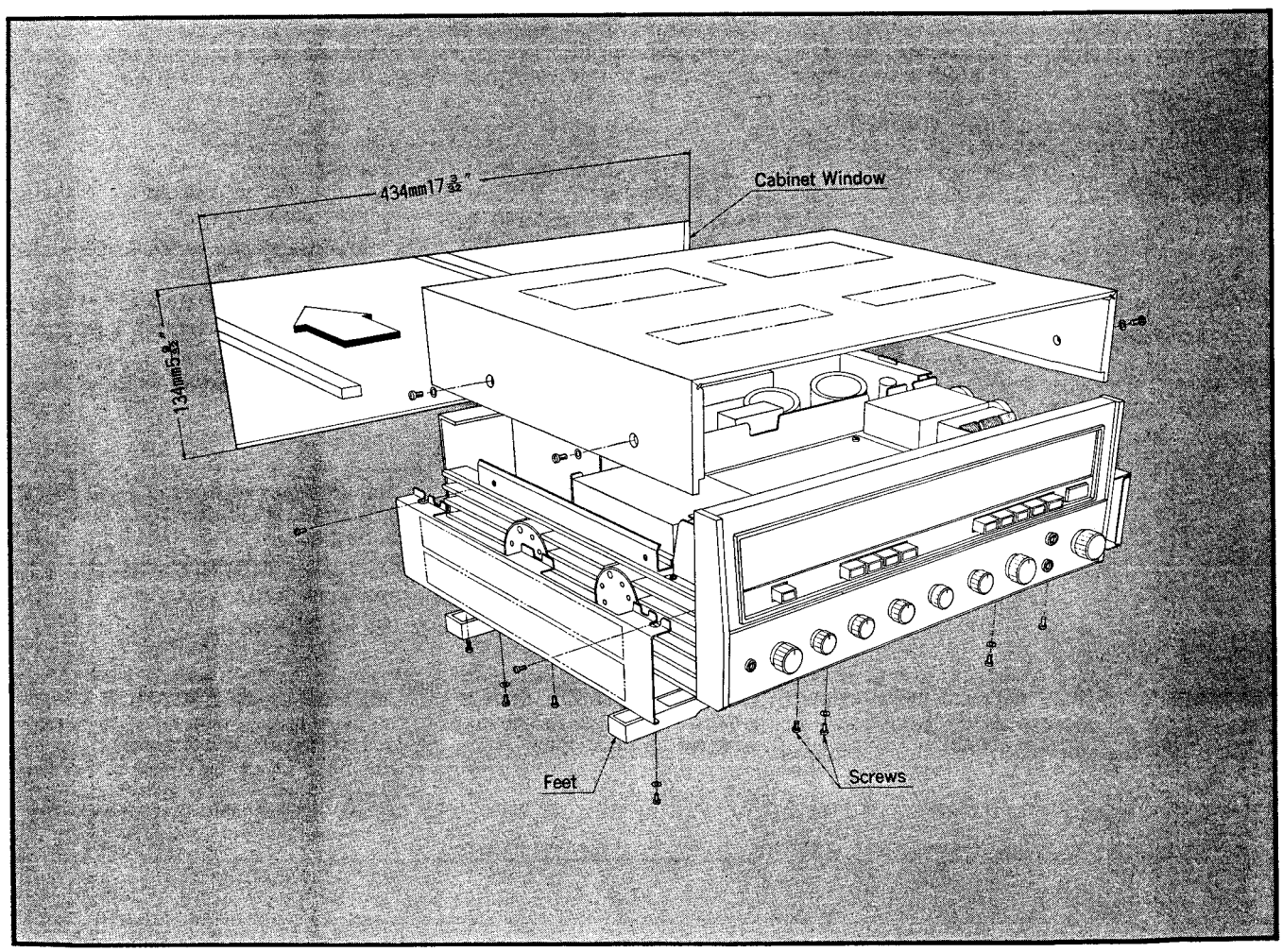
PROGRAM	SYMPTOM	PROBABLE CAUSE	WHAT TO DO
FM reception (cont'd)	B. A series of pops	* Ignition noised caused by starting of an automobile engine	* Install the antenna and its lead-in wire in proper distance from the road or raise the antenna input as described above
	C. Tuning noise between stations	* This results from the nature of the FM reception. * The FM MUTING OFF switch depressed	* Set the FM MUTING OFF switch to its up position. * Release
FM-MPX reception	A. Noise heard during FM-MPX reception while not heard during FM mono reception	* Weaker signal because the service area of the FM-MPX broadcast is only half that of the FM mono broadcast	* Install the antenna for maximum antenna input * Switch on the HIGH FILTER and/or turn the TREBLE control from midpoint, left
	B. Clearness of channel separation is decreased during reception	* Excess heat	* Circulation of air is important to the amplifier. Be sure that air is flowing under the amplifier
	C. The stereo indicator blinks on and off	* Interference	* The indicator is not at fault, adjust VR_{401}
	D. The stereo indicator blinks on and off even though stereo station is not received	* Interference	* The indicator is not at fault, adjust VR_{401}
Record playing or tape playback	A. Hum or howling	* Record player placed directly on speaker * Wire other than shielded wire used * Loose terminal contact * Shielded wire too close to line cord, fluorescent lamp or other electrical appliances * Nearby amateur radio station or TV transmission antenna	* Place a cushion between the player and the speaker box or place them away from each other * The connecting shielded wire should be as short as possible * Switch on the LOW FILTER and adjust the BASS control from midpoint, left * Consult the nearest Radio Regulatory Bureau
	B. Surface noise	* Worn or old record * Worn needle * Needle dusty * Improper needle pressure	* Recondition the playback head of the tape recorder or the needle of the record player * Adjust the TREBLE control from midpoint, left * HIGH FILTER on
All stereo programs	BALANCE control is not at midpoint when equal sound comes from left and right channels	* It is important to adjust for equal sound from both channels. It should not always be set to the midpoint	* Set the MONO switch to MONO and then set the BALANCE control to a position where equal sound comes from both channels. For more precise adjustment, use the BALANCE CHECK switch. Check if the efficiency of one speaker is balanced with that of the other.

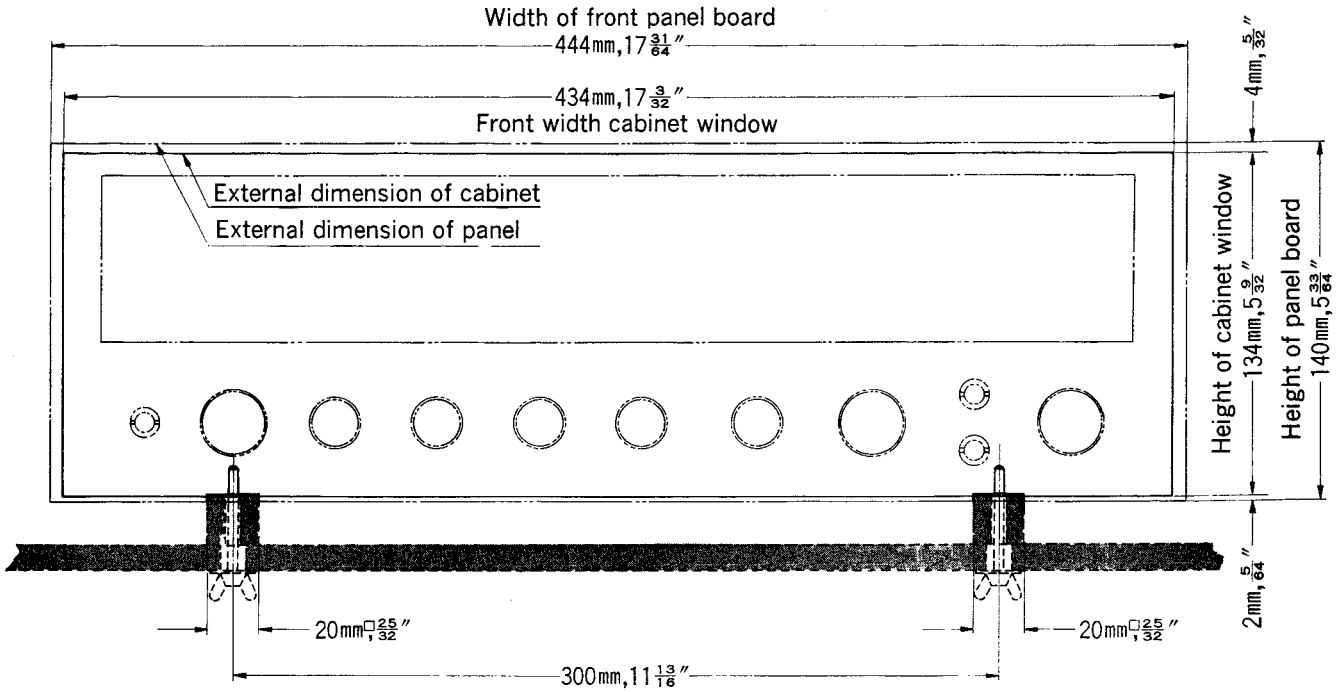
CUSTOM MOUNTING

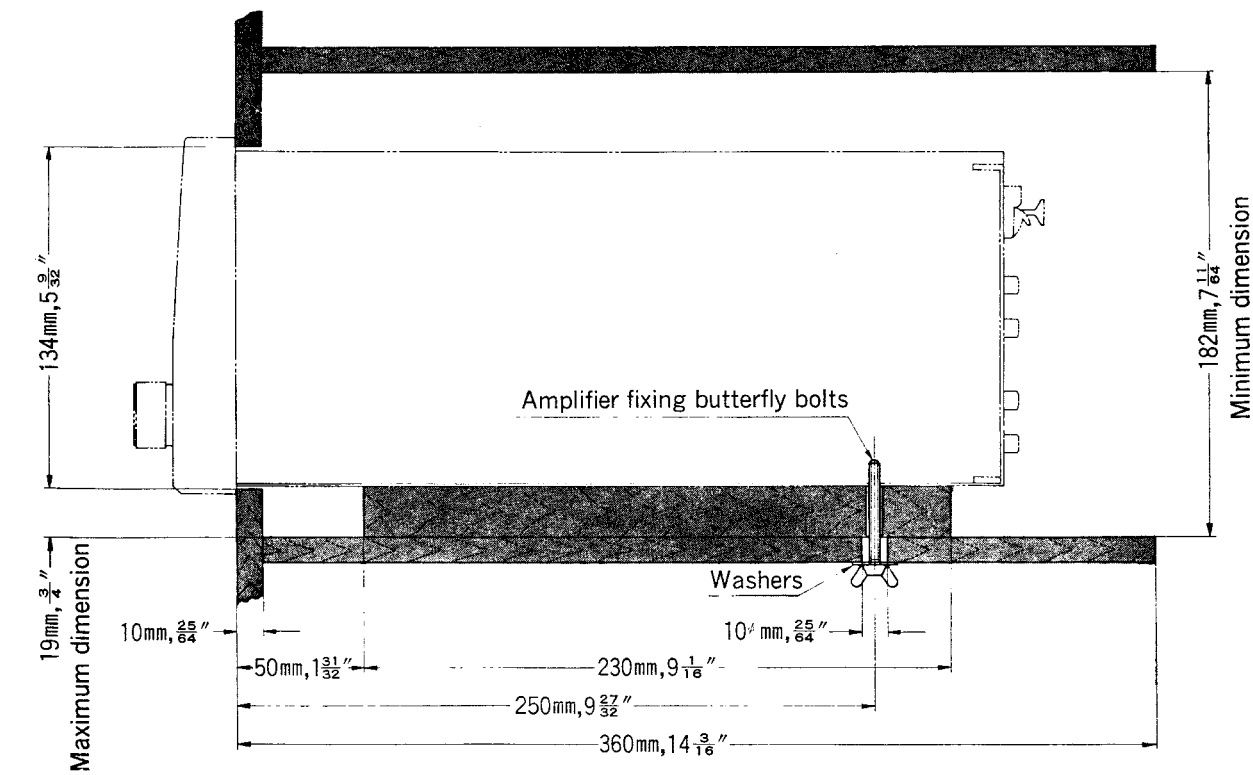
Custom Mounting

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 receiver).
5. Remove the heat sink covers from both sides of the unit.
6. Slide the receiver 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.

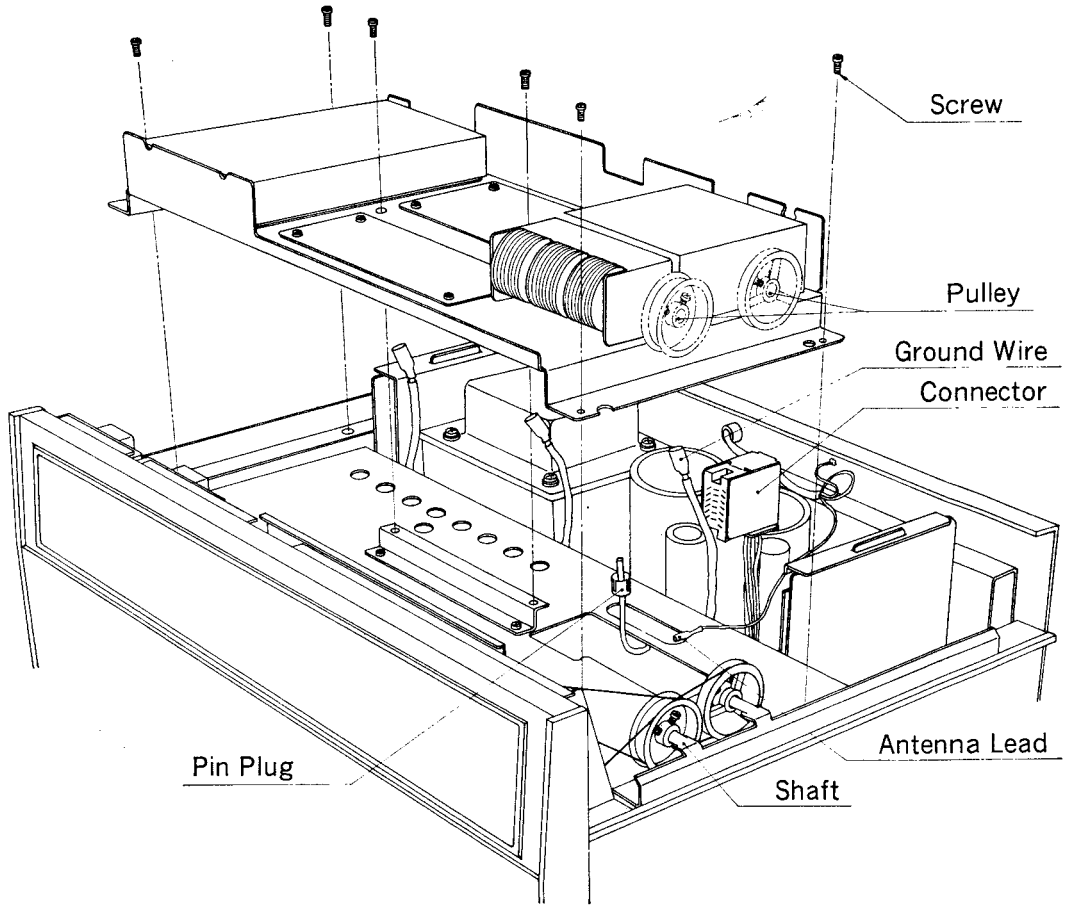



Width of front panel board
444mm,17 31/64"
434mm,17 3/32"
Front width cabinet window
External dimension of cabinet
External dimension of panel
4mm, 5/32"
Height of cabinet window
134mm,5 9/32"
Height of panel board
140mm,5 33/64"
2mm, 5/64"
20mm□ 25/32"
20mm□ 25/32"
300mm,11 13/16"

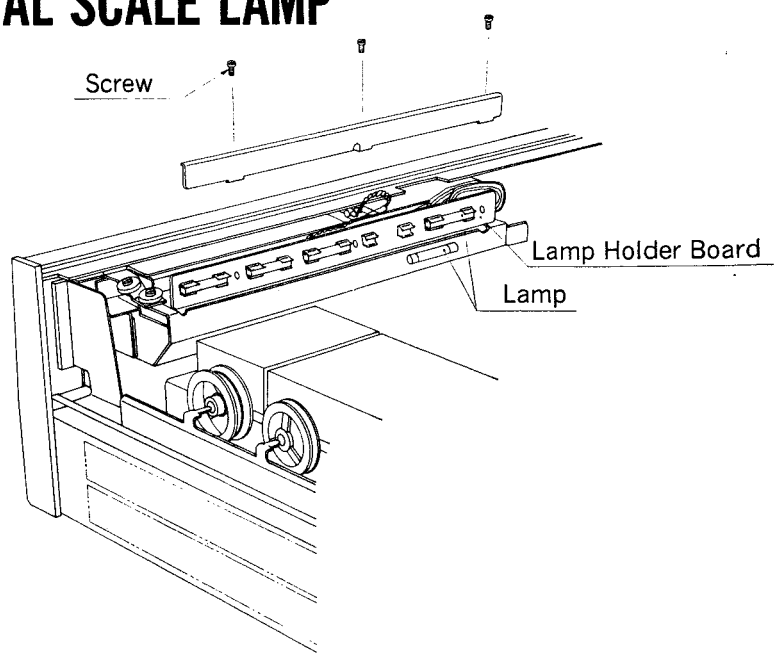

134mm,5 9/32"
Amplifier fixing butterfly bolts
182mm,7 11/64"
Minimum dimension
19mm, 3/4"
Maximum dimension
Washers
10mm, 25/64"
10mm, 25/64"
50mm,1 31/32"
230mm,9 1/16"
250mm,9 27/32"
360mm,14 3/16"

DISASSEMBLY PROCEDURE

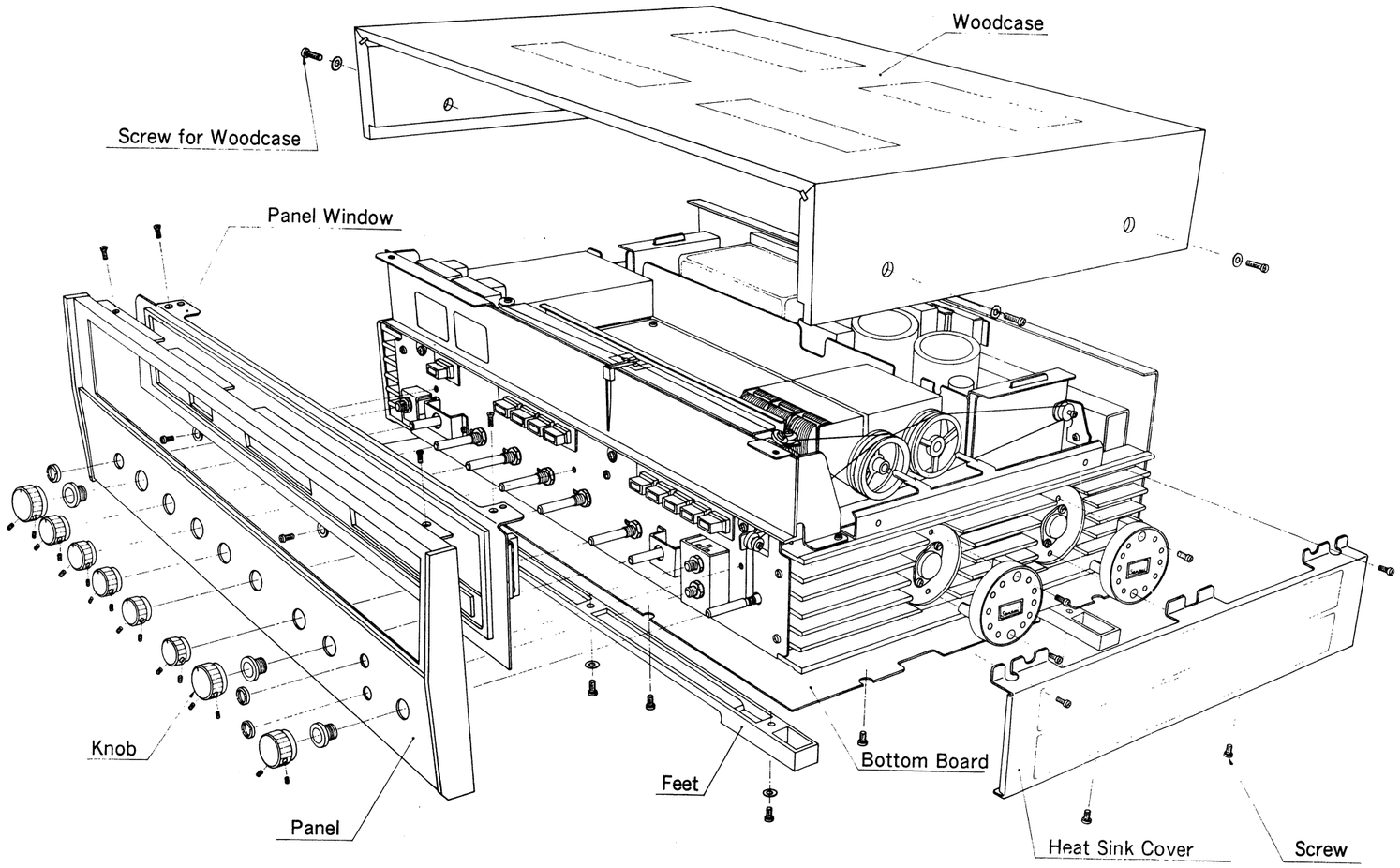
HOW TO REMOVE TUNER SECTION



HOW TO REPLACE A DIAL SCALE LAMP



REMOVING THE FRONT PANEL, WOOD CASE AND BOTTOM PLATE



How to remove the tuner section

If it is necessary to demount the tuner section alone for its adjustment or repair, remove it as follows:

1. Loosen the two screws that secures a pulley to the shaft of the FM variable capacitor.
2. Loosen the two screws that secures another pulley to the shaft of the AM variable capacitor.
3. More both pulleys simultaneously to the corresponding opposite shafts protruded from the bonnet mounting board, and tighten the screws.
4. Pull out the three ground wires, 20-pin connector and antenna lead (yellow).
5. Remove eight screws from the bottom board and remove the bottom board. Pull out the pin plug at the end of coaxial cable from the jack located in the bottom plate of the FM front end unit.
6. Remove six screws from the tuner section and lift the tuner section gently.

How to replace a dial scale lamp

Should a dial scale lamp be blown oút, replace it with a new one as given below:

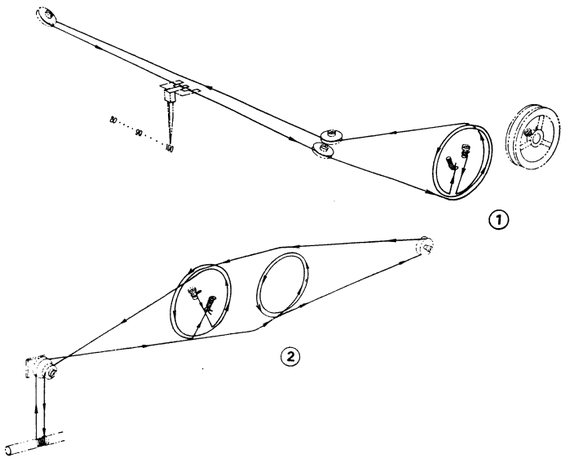
1. Remove three screws from the lamp holder board (F-1205).
2. Remove a plate washer from the board.
3. Lift the board slightly and turn it wrong side up so that the dial scale lamp is accessible for the replacement.
4. Replace the blown lamp with the new one (identical type, 6.3 volts and 0.25 amperes).

Note: When reinstalling the board after replacement, be sure to pass the lead from the dial pointer lamp through the U-shaped cut in the plate washer.

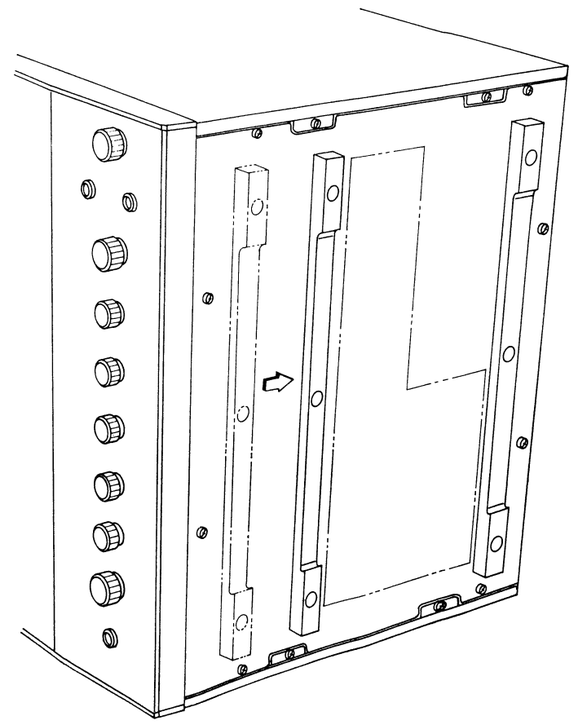
To change the position of the front feet

When the receiver is installed on a relatively narrow shelf, its front feet can be changed in position as illustrated right:

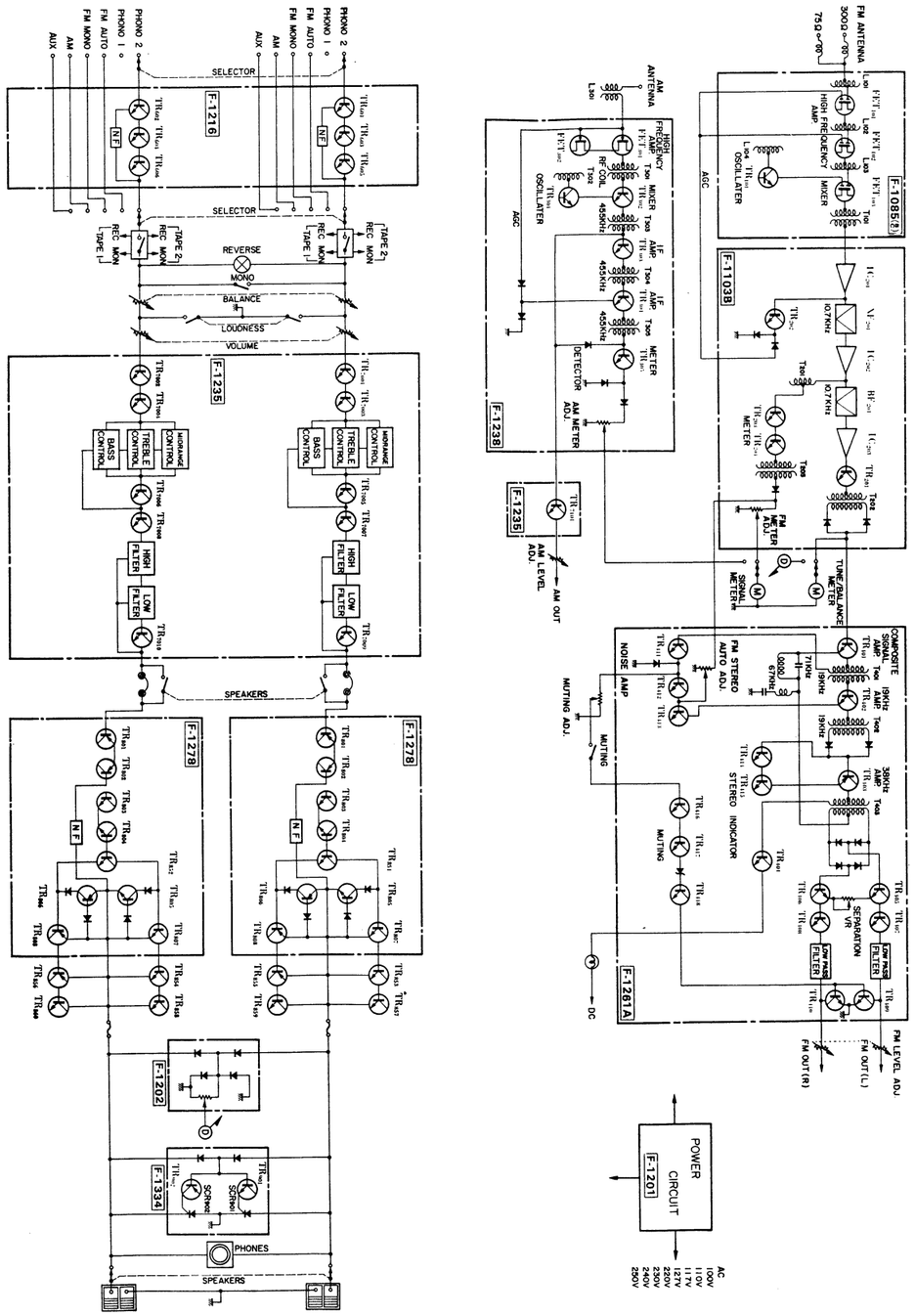
DIAL MECHANISM



TO CHANGE POSITION OF THE FRONT FEET

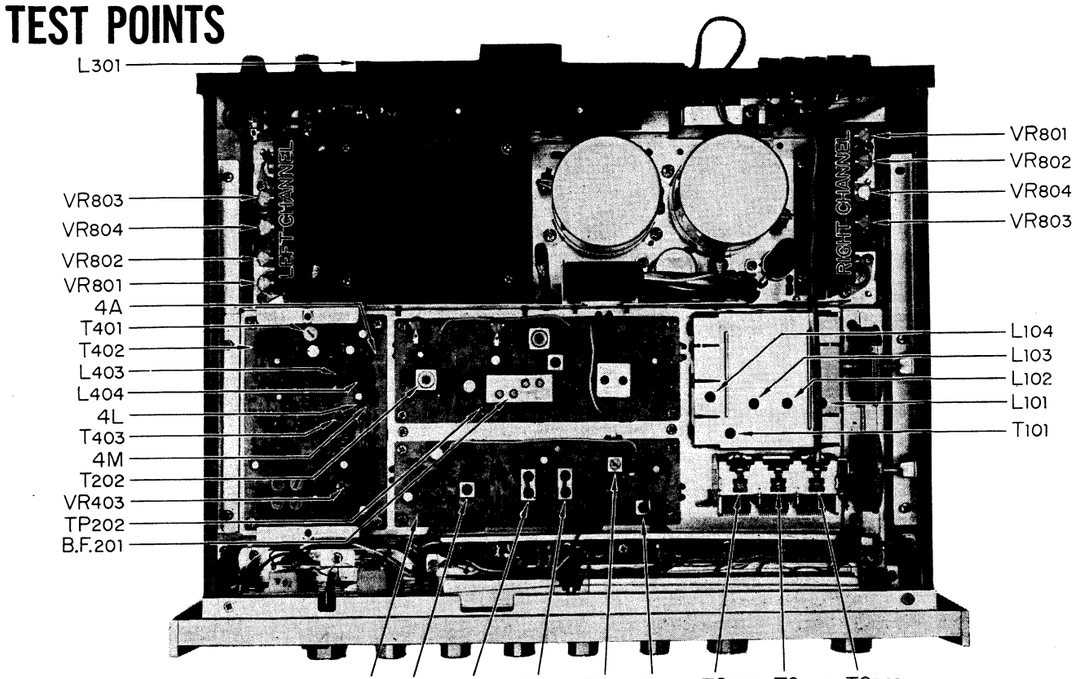


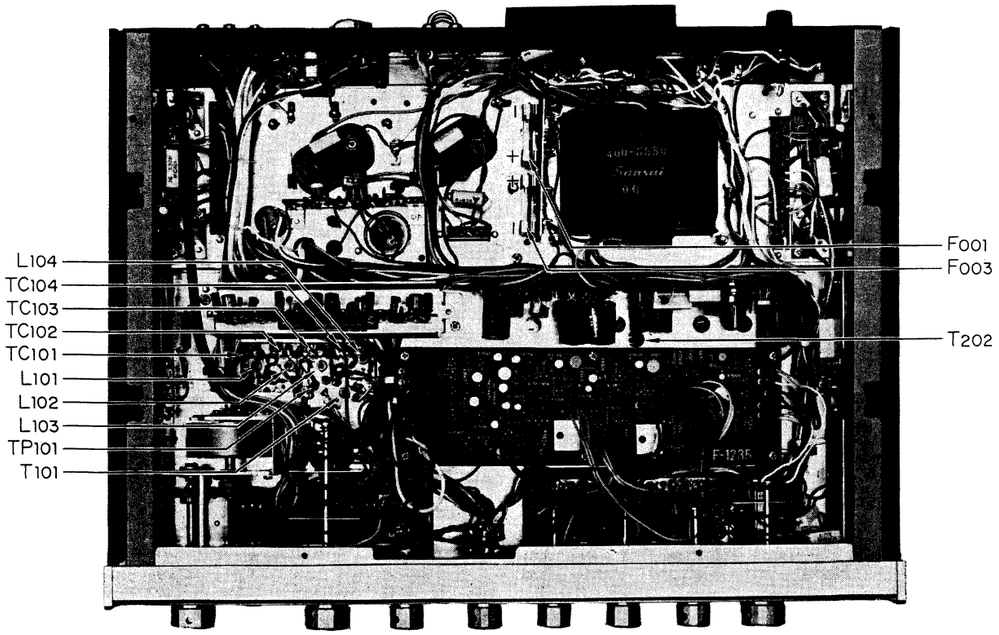
BLOCK DIAGRAM



ALIGNMENT

TEST POINTS





FM ALIGNMENT PROCEDURE

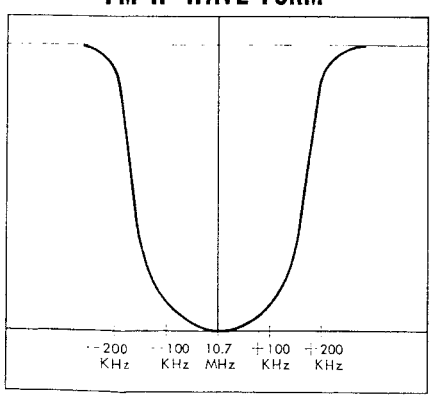
NOTE: To align, set the FM signal generator level to minimum.

Any internal parts replacement or changes you make in the EIGHT requiries proper adjustment again. Appropriate test points and adjustments are given on pages 11~16.

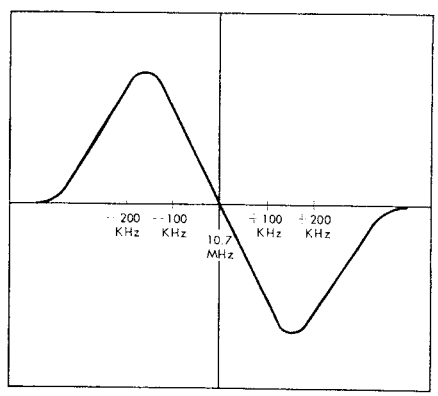
Equipment required: 1. Sweep Generator 2. Oscilloscope 3. FM Signal Generatar 4. Multiplex Stereo Generator 5. AC VTVM 6. Audio Oscillator 7. AM Signal Generator 8. Voltmeter 9. Ammeter

STEP	ALIGN	GENERATOR	FEED SIGNAL	OUTPUT INDICATOR	DIAL SETTING	ADJUST	ADJUST FOR
1.	IF Transformer	10.7MHz ±200kHz Sweep generator	To TP_{101} via the 10pF ceramic capacitor	Oscilloscope is connected to TP_{202} via the 10pF ceramic by using a detector probe		Primary and secondary sides of IF Transformer (T_{101}, block filter $B.F._{201}$)	Best I.F. wave form
2.	Discriminator	10.7MHz ±200kHz Sweep generator	To TP_{101} via the 10pF ceramic capacitor	Oscilloscope is connected to 2F.		FM Discriminator transformer T_{202} 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	88MHz	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	108MHz	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	90MHz	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	106MHz	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 ALIGNMENT PROCEDURE

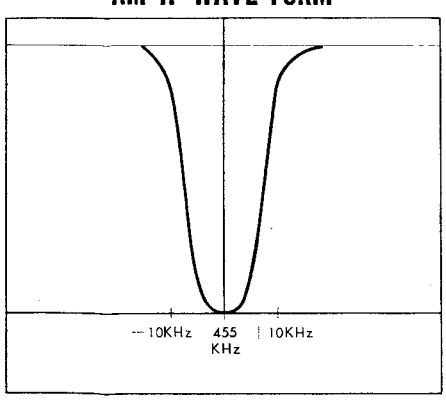
STEP	ALIGN	GENERATOR	FEED SIGNAL	OUTPUT INDICATOR	ADJUST	ADJUST FOR
1.	67 kHz Trap	67 kHz Audio Oscillator	Connect to 4A	V.T.V.M. at 4M	L_{404}	Minimum output
2.	71 kHz Trap	71 kHz Audio Oscillator	Connect to 4A	V.T.V.M. at 4M	L_{403}	Minimum output
3.	19 kHz Tuning coil	98 MHz FM signal generator. Stereo signal generator. Composite signal (L or R) comprising pilot signal, 30% modulation.	Antenna terminals	V.T.V.M. and Oscilloscope at 4L	T_{401}	Maximum output
4.	19 kHz Tuning coil	98 MHz FM signal generator. Stereo signal generator. Composite signal (L or R) comprising pilot signal, 30% modulation.	Antenna terminals	V.T.V.M. and Oscilloscope at 4L	T_{402}	Maximum output
5.	38 kHz Tuning coil	98 MHz FM signal generator. Stereo signal generator. Composite signal (L or R) comprising pilot signal, 30% modulation.	Antenna terminals	V.T.V.M. and Oscilloscope at 4L	T_{403}	Maximum output
6.	38 kHz Tuning coil and Separation VR	98 MHz FM signal generator. Stereo signal generator. Composite signal (L channel) comprising pilot signal, 30% modulation.	Antenna terminals	V.T.V.M. and Oscilloscope at output load.	T_{403}	Maximum output (L channel) by turning T_{403} Best separation by turning VR_{403}

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. Trans-former	455 kHz ±30 kHz Sweep-generator	Antenna terminals	Oscilloscope and V.T.V.M. at 3E		Primary and secondary sides of I.F.T. (T_{303}~T_{305})	Best I.F. 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	535kHz	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	1600kHz	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	600kHz	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	600kHz	Ferrite bar Antenna coil L_{301}	Maximum
7.	RF amp.	AM-generator 1400 kHz 400 Hz 30% Modulation	Antenna terminals	Oscilloscope and V.T.V.M. at output load	1400kHz	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	1400kHz	Antenna circuit Trimmer TC_{301}	Maximum
9.	Repeat 5,6,7,8						

AM IF WAVE FORM



ALIGNMENT

BALANCE ADJUSTMENT IN MAIN AMP. SECTION

STEP	WHAT TO DO	REMARKS
1.	Connect an 8 to 16-ohm load resistor to the left-channel SYSTEM A speaker terminal.	
2.	Connect a voltmeter in parallel with the load resistor.	The Voltmeter should be used in the 0.5~3V range.
3.	Turn SPEAKERS switch to SYSTEM A.	
4.	Set VR_{801} and VR_{804} (left channel) to midpoint.	
5.	Turn POWER switch on.	
6.	Adjust VR_{801} (left channel) so that the voltage will be kept within 0±50mV. If not possible, turn VR_{804} to adjust as indicated above.	
7.	For the right channel, follow the same procedures as in STEP 1 to 6.	

CURRENT ADJUSTMENT ON DIFFERENTIAL AMPLIFIER

STEP	WHAT TO DO	REMARKS
1.	Set VR_{802} to minimum counterclockwise position.	
2.	Turn POWER switch on.	
3.	Connect a voltmeter to TP_{802} ('+' side) and TP_{801} ('−' side).	The voltmeter range should be set to 0.5 ~5V.
4.	Turn VR_{802} little by little so that the indication (V_{21}) of the voltmeter reaches 0.5V.	
5.	Connect the voltmeter to TP_{803} ('+' side and TP_{801} ('−' side), and read the indication (V_{31}) of the voltmeter.	
6.	For $0.5 > V_{31}$, connect the voltmeter to TP_{803}('+'side) and TP_{802} ('−' side). For $0.5V < V_{31}$, connect it to TP_{802} ('+' side) and TP_{803} ('−' side).	The voltmeter range should be larger than the difference between V_{21} and V_{31}, and then reduced to 0.5~5V during adjustment.
7.	Turn VR_{801} little by little so that the voltmeter reads 0.	

CURRENT ADJUSTMENT IN MAIN AMP. SECTION

STEP	AMMETER (TESTER)	WHAT TO DO	REMARKS
1.		Remove F_{001} and F_{003}.	Ammeter required: 100mA or 50mA range
2.		Set VR_{803} (left and right channels) to minimum clockwise position.	
3.		Turn POWER switch on.	
4.	Set to 100mA range.	Set ammeter in place of F_{001}. Connect its ⊕ terminal to B_3, and its ⊖ terminal to 8J (left channel) in schematic diagram.	Be sure to turn POWER switch on and then connect ammeter.
5.		Turn VR_{803} (left channel) and adjust current to 8~10mA.	
6.		Turn POWER switch OFF and reset F_{001} to its original position.	
7.	Set to 100mA range.	Turn POWER switch on and set ammeter in place of F_{003}. Connect its ⊕ terminal to B_3, and its ⊖ terminal to 8J (right channel).	
8.		Turn VR_{803} (right channel) and adjust current to 8~10mA	
9.		Turn POWER switch off, and reset F_{003}.	

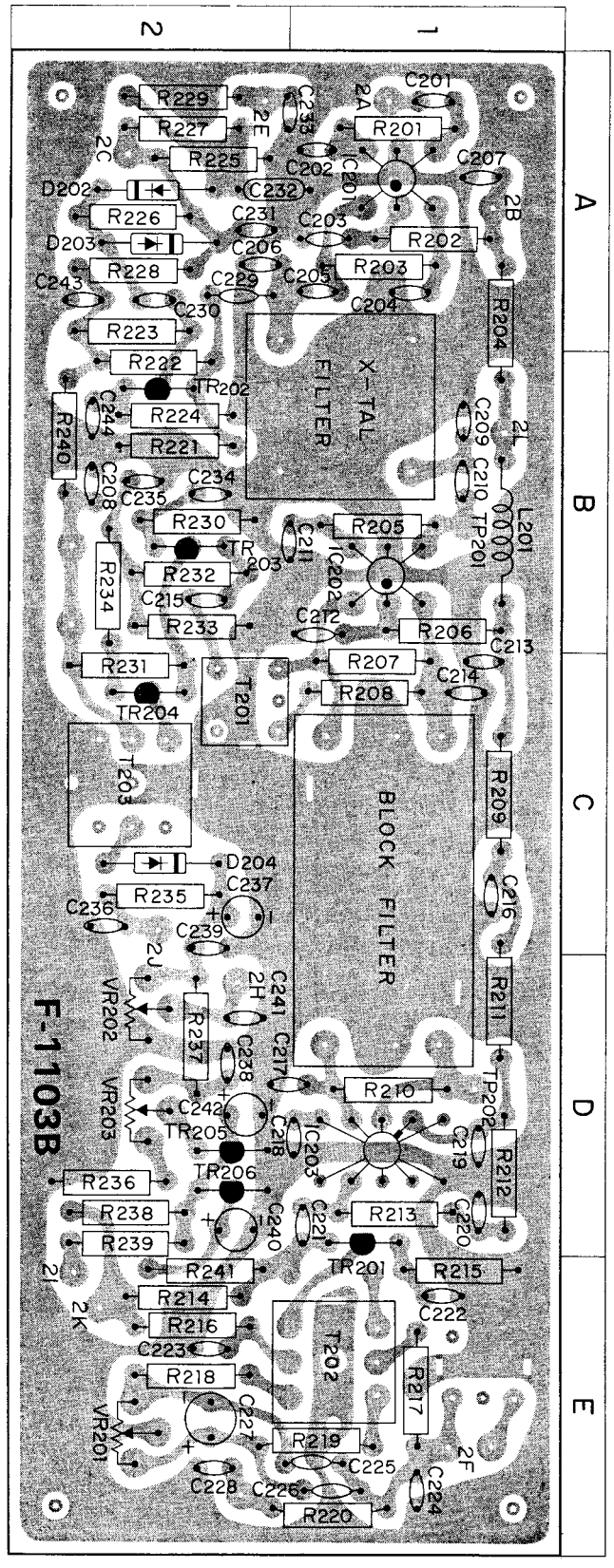
PRINTED CIRCUIT BOARDS AND PARTS LIST

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

FM IF BLOCK 〈F-1103B〉

W	X	Y	Z
R201	1kΩ	0101102	1 A
R202	47Ω	0101470	1 A
R203	1.2kΩ	0101122	1 A
R204	10Ω	0101100	1 A, B
R205	1kΩ	0101102	1 B
R206	47Ω	0101470	1 B
R207	1.2kΩ	0101122	1 C
R208	47Ω	0101470	1 C
R210	820Ω	0101821	1 D
R211	470Ω	0101471	1 D
R212	10Ω	0101100	1 D
R213	1kΩ	0101102	1 D
R214	15kΩ	0101153	2 E
R215	1kΩ	0101102	1 E
R216	10Ω	0101100	2 E
R217	100Ω	0101101	1 E
R218	1kΩ	0101102	2 E
R219	1kΩ	0101102	1, 2 E
R220	12kΩ	0101103	1, 2 E
R221	47kΩ ±10% 1/4W CB.	0101103	2 B
R222	330kΩ	0101334	2 B
R223	5.6kΩ	0101562	2 A
R224	470Ω	0101471	2 B
R225	10kΩ	0101103	2 A
R227	680kΩ	0101684	2 A
R228	220kΩ	0101224	2 A
R229	47kΩ	0101473	2 A
R230	47Ω	0101470	2 B
R231	1.2kΩ	0101122	2 C
R232	10kΩ	0101103	2 B
R233	820Ω	0101821	2 B
R234	100Ω	0101101	2 B
R235	1kΩ	0101102	2 C
R236	68kΩ	0101683	2 D
R237	10kΩ	0101103	2 D
R238	47kΩ	0101473	2 D
R240	10Ω	0101100	2 B
R241	5.6kΩ	0101562	2 E
VR201	20kΩ(B) Tune Meter Adj.	1030460	2 E
VR202	50kΩ(B) Signal Meter Adj.	1030200	2 D
C201	0.001μF	0659001	1 A
C202	0.02μF	0659005	1 A
C203	0.02μF +80 −20% 25 V CE.	0659005	1 A
C204	0.02μF	0659005	1 A
C205	0.001μF	0659001	1 A
C206	2.2pF ±0.5pF 50 V CE.	0669003	2 A
C207	0.02μF +80 −20% 25 V CE.	0659005	1 A
C208	0.02μF		2 B
C209	6.8pF ±0.5pF 50 V CE.	0669004	1 B
C210	0.001μF	0659001	1 B
C211	0.02μF	0659005	1 B
C212	0.02μF +80 −20% 25 V CE.	0659005	1 B
C213	0.02μF	0659005	1 C
C214	0.02μF	0659005	1 C
C215	39pF ±10% 50 V CE.	0660390	2 B

W	X	Y	Z
C216	0.02μF +80 −20% 25 V CE.	0659005	1 C
C217	0.02μF		1, 2 B
C218	0.02μF	0659005	1 D
C219	0.02μF	0659005	1 D
C220	0.02μF	0659005	1 D
C221	0.001μF +80 −20% 25 V CE.	0659001	1 D
C222	0.02μF	0659005	1 E
C223	0.05μF	0659007	2 E
C224	100pF	0660101	1 E
C225	150pF ±10% 50 V CE.	0660151	1, 2 E
C226	150pF	0660151	1 E
C227	10μF 10 V EL.	0511100	2 E
C228	0.02μF +80 −20% 25 V CE.	0659005	2 E
C229	22pF ±10% 50 V CE.	0660220	2 A
C230	0.02μF +80 −20% 25 V CE.	0659005	2 A
C231	0.02μF		2 A
C232	1μF 50 V EL.	0515109	1, 2 A
C233	0.02μF		1, 2 A
C235	0.02μF		2 B
C236	0.02μF +80 −20% 25 V CE.	0659005	2 C
C238	0.022μF		2 D
C239	0.02μF		2 C
C241	100μF 6.3 V EL.	0510101	2 D
C242	0.022μF +80 −20% 25 V CE.	0659005	2 D
C243	0.02μF +80 −20% 25 V CE.	0659005	2 A
C244	0.02μF		2 B
TR201	2SC460 (B, C)	0305350, 1	1 D
TR202			2 B
TR203			2 B
TR204			2 C
TR205	2SC711 (F)	0305732	1, 2 D
D202	IN60	0310400	2 A
D203			2 A
D204			2 A
IC201	LM703L or	0360040	1 A
	PA7703E	0360030	
IC202	LM703L or	0360040	1 B
	PA7703E	0360030	
IC203	TA7027M	0360020	1 D
L201	3.5μH Peaking Coil	4290011	1 B
XF201	Xtal Filter	0910080	1, 2 A, B
BF201	Block Filter	4235590	1 C, D
T201	IFT 10.7MHz	4235570	2 C
T202		4235580	1 2 E
T203		4235630	2 C



CB : Carbon Resistor
CE : Ceramic Capacitor
EL : Electrolytic Capacitor
MC: Mica Capacitor
MY: Mylar Capacitor
AL : Aluminum Solid Electrolytic Capacitor
ST : Styrol Capacitor
TA : Tantalum Capacitor
BP : BP Electrolytic Capacitor
CM: Cement Resistor
OC : Oil Capacitor

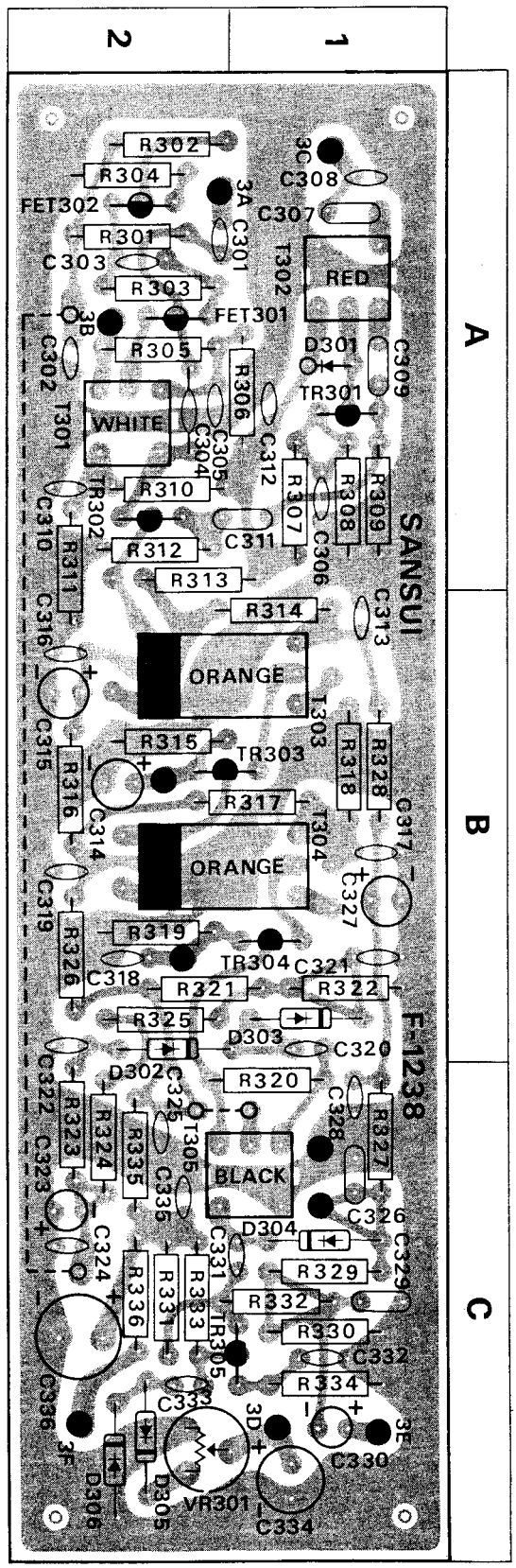
PRINTED CIRCUIT BOARDS AND PARTS LIST

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

AM BLOCK 〈F-1238〉

W	X	Y	Z
R301	470kΩ	0101474	2 A
R302	470kΩ	0101474	2 A
R303	1kΩ	0101102	2 A
R304	100Ω	0101101	2 A
R305	100kΩ	0101104	2 A
R306	47Ω	0101470	1 A
R307	33kΩ	0101333	1 A
R308	4.7kΩ	0101472	1 A
R309	1kΩ	0101102	1 A
R310	56kΩ	0101563	2 A
R311	6.8kΩ	0101682	2 A, B
R312	1kΩ	0101102	2 A
R313	47Ω	0101470	1, 2 A
R314	56kΩ	0101563	1, 2 B
R315	1kΩ	0101102	2 B
R316	22Ω	0101220	2 B
R317	15kΩ	0101153	1, 2 B
R318	6.8kΩ	0101682	1 B
R319	1kΩ ±10% 1/4W CB.	0101102	2 B
R320	33kΩ	0101333	1, 2 C
R321	22kΩ	0101223	1, 2 B
R322	1kΩ	0101102	1 B
R323	470kΩ	0101474	2 C
R324	220kΩ	0101224	2 C
R325	220kΩ	0101224	2 B
R326	22Ω	0101220	2 B
R327	8.2kΩ	0101822	1 C
R328	100Ω	0101101	1 B
R329	10kΩ	0101103	1 C
R330	2.7kΩ	0101272	1 C
R331	330kΩ	0101334	2 C
R332	68kΩ	0101683	1 C
R333	4.7kΩ	0101472	2 C
R334	2.2kΩ	0101222	1 C
R335	22Ω	0101220	2 C
R336	100Ω	0101101	2 C
VR301	47kΩ(B) Meter Adj.	1035170	1, 2 C
C301	220pF ±10% 50 V CE.	0660221	2 A
C302	0.02μF +80 −20% 25 V CE.	0659005	2 A
C303	0.02μF +80 −20% 25 V CE.	0659005	2 A
C305	0.02μF +80 −20% 25 V CE.	0659005	2 A
C306	0.05μF +80 −20% 25 V CE.	0659007	1 A
C307	430pF ± 5 % 50 V MC.	0640431	1 A
C308	10pF ±10% 50 V CE.	0660100	1 A
C309	0.01μF ±10% 50 V MY.	0601107	1 A
C310	0.02μF +80 −20% 25 V CE	0659005	2 A
C311	0.01μF ±10% 50 V MY	0601107	1, 2 A
C312	0 05μF +80 −20% 25 V CE	0659007	1 A
C313	0.02μF +80 −20% 25 V CE	0659005	1 B
C314	4.7μF 16 V EL.	0512479	2 B
C315	10μF 16 V EL	0512100	2 B
C316	0.02μF	0659005	2 B
C317	0 05μF +80 −20% 25 V CE.	0659007	1 B
C318	0.05μF +80 −20% 25 V CE.	0659007	2 B
C319	0.02μF +80 −20% 25 V CE.	0659005	2 B

W	X	Y	Z
C320	6.8pF ±10% 50 V CE.	0660689	1 B
C321	0.05μF +80 −20% 25 V CE.	0659007	1 B
C322	0.02μF +80 −20% 25 V CE.	0659005	2 B
C323	0.68μF 25 V AL.	0563688	2 C
C324	0.01μF +80 −20% 25 V CE.	0659004	2 C
C325	0.05μF +80 −20% 25 V CE.	0659007	2 C
C326	0.01μF ±10% 50 V MY.	0610107	1 C
C327	33μF 6.3 V EL.	0510330	1 B
C328	0.02μF +80 −20% 25 V CE.	0659005	1 C
C329	0.022μF ±10% 50 V MY.	0610227	1 C
C330	0.1μF 25 V AL.	0563108	1 C
C331	33pF ±10% 50 V CE.	0660330	1 C
C332	0.001μF +80 −20% 25 V CE.	0659001	1 C
C333	0.01μF +80 −20% 25 V CE.	0659004	2 C
C334	100μF 6.3 V EL.	0510101	1 C
C335	0.02μF +80 −20% 25 V CE.	0659005	2 C
C336	100μF 16 V EL.	0512101	2 C
C337	47 pF ±10% 50 V CE.	0660470	1 A
TR301	2SC460(B)	0305350	1 A
TR302	2SC460(B)	0305350	2 A
TR303	2SC460(C)	0305351	1, 2 B
TR304	2SC460(C)	0305351	1 B
TR305	2SC460(B)	0305350	1 C
FET301	2SK24(E)	0370060	2 A
FET302	2SK24(E,F)	0370060, 1	2 A
D301	IN60	0310330	1 A
D302	IN60	0310330	1, 2 B
D303	IN60	0310330	1 B
D304	IN60	0310330	1 C
D305	IN60	0310330	2 C
D306	IN60	0310330	2 C
T301	RF Coil	4210080	2 A
T302	OSC Coil	4220250	1 A
T303	IFT 455kHz	4230420	1 B
T304	IFT 455kHz	4230420	1 B
T305	IFT 455kHz	4230380	1, 2 C


2
1
A
B
C
R302
R304
FET302
R301
C303
R303
FET301
R305
C302
T301
WHITE
R306
C305
C304
C312
R310
TR302
C310
R311
R312
C311
R307
R308
R309
C306
C309
D301
TR301
T302
RED
C307
C308
3C
3A
C301
3B
R313
R314
C313
SANSUI
C316
ORANGE
T303
R315
TR303
C315
R316
R317
C314
R328
C317
R318
ORANGE
T304
C327
C319
R326
R319
TR304
C318
C321
R321
R322
R325
D303
C320
D302
C325
R320
C322
R323
R324
R335
T305
C335
BLACK
C328
R327
C326
C323
C324
D304
C329
R329
R336
R331
R333
C331
R332
R330
TR305
C332
R334
C333
3D
3E
C330
C336
3F
D306
D305
VR301
C334
F-1238

PRINTED CIRCUIT BOARDS AND PARTS LIST

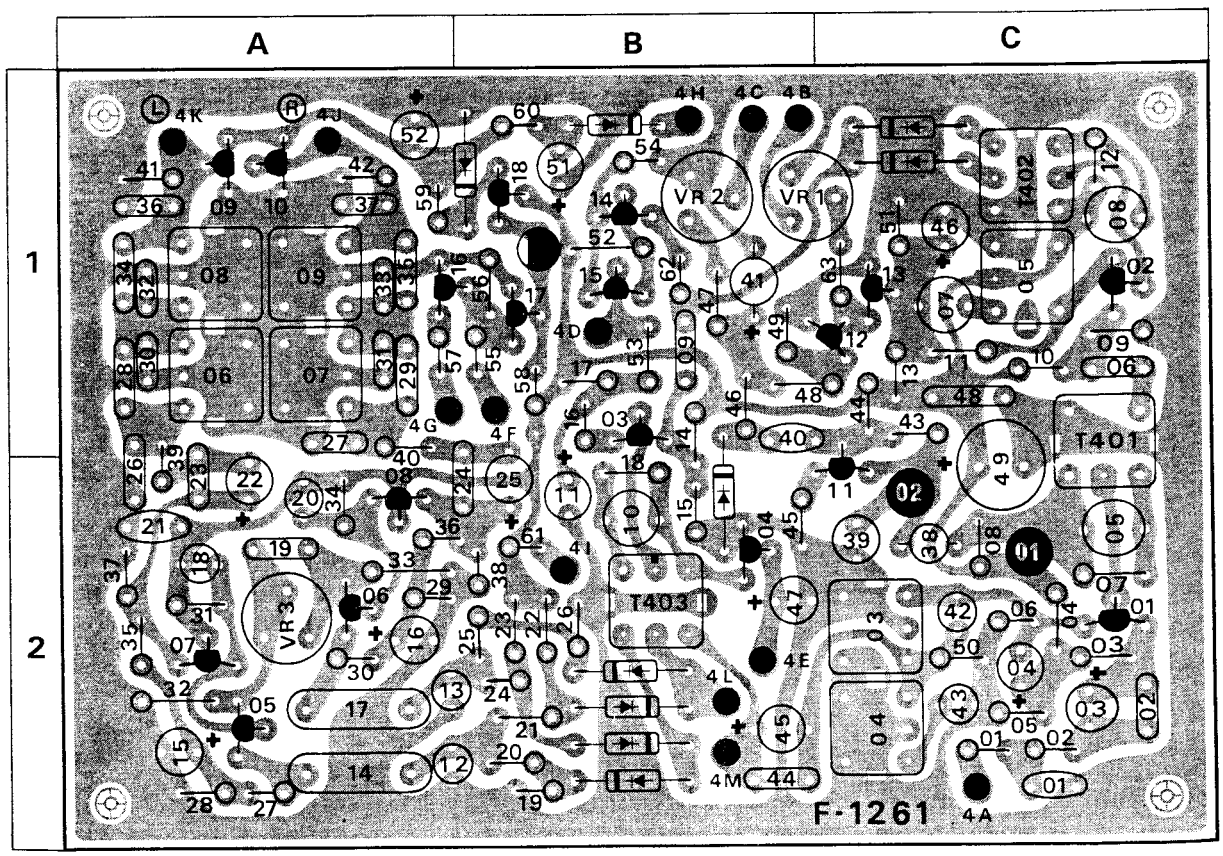
W: Parts No. **X:** Parts Name **Y:** Stock No. **Z:** Position of Parts

FM MPX BLOCK 〈F-1261A〉

W	X	Y	Z
R401	1kΩ	0100102	2C
R402	1kΩ	0100102	2C
R403	100kΩ	0100104	2C
R404	100kΩ	0100104	2C
R405	22kΩ	0100223	2C
R406	2.2kΩ	0100222	2C
R407	33kΩ	0100333	2C
R408	10kΩ	0100103	2C
R409	12kΩ	0100123	1C
R410	100kΩ	0100104	1C
R411	1kΩ	0100102	1C
R412	33kΩ	0100333	1C
R413	47kΩ	0100473	1C
R414	100kΩ	0100104	1B
R415	100kΩ	0100104	2B
R416	180Ω	0100181	1B
R417	1.8kΩ	0100182	1B
R418	22kΩ	0100223	2B
R419	330kΩ	0100334	2B
R420	4.7kΩ	0100472	2B
R421	4.7kΩ	0100472	2B
R422	330kΩ	0100334	2B
R423	330kΩ	0100334	2B
R424	4.7kΩ	0100472	2B
R425	4.7kΩ	0100472	2B
R426	330kΩ	0100334	2B
R427	100kΩ	0100104	2A
R428	33kΩ	0100333	2A
R429	33kΩ ±10% ¼W CB.	0100333	2A, B
R430	100kΩ	0100104	2A
R431	56kΩ	0100563	2A
R432	5.6kΩ	0100562	2A
R433	5.6kΩ	0100562	2A
R434	56kΩ	0100563	2A
R435	100kΩ	0100104	2A
R436	100kΩ	0100104	2A, B
R437	3.9kΩ	0100392	2A
R438	3.9kΩ	0100392	2B
R439	1.5kΩ	0100152	1, 2A
R440	1.5kΩ	0100152	1, 2A
R441	5.6kΩ	0100562	1A
R442	5.6kΩ	0100562	1A
R443	1MΩ	0100105	1C
R444	3.3kΩ	0100332	1C
R445	68Ω	0100680	2B
R446	3.3kΩ	0100332	1B
R447	3.3kΩ	0100332	1B
R448	220kΩ	0100224	1B
R449	47kΩ	0100473	1B
R450	2.2kΩ	0100222	2C
R451	47kΩ	0100473	1C
R452	47kΩ	0100473	1B
R453	820Ω	0100821	1B
R454	56Ω	0100560	1B
R455	47kΩ	0100473	1B
R456	15kΩ	0100153	1B
R457	47kΩ	0100473	1A, B
R458	47kΩ	0100473	1B
R459	2.7kΩ	0100272	1A, B
R460	2.7kΩ ±10% ¼W CB.	0100272	1B
R461	47Ω	0100470	2B
R462	47kΩ	0100473	1B
R463	47kΩ	0100473	1C
VR401	220kΩ(B) FM Stereo Indicator Adj.	1035210	1B, C
VR403	47kΩ(B) MPX Separation Adj.	1035170	2A
C401	100pF ±10% 50 V CE.	0660101	2C
C402	0.01μF ±10% 50 V MY.	0601107	2C
C403	3.3μF 50 V EL.	0515339	2C
C404	3.3μF 50 V EL.		2C
C405	6800pF ± 5 % 50 V ST.	0620682	2C
C406	0.022μF ±10% 50 V MY.	0601227	1C
C407	6800pF ± 5 % 50 V ST.	0620682	1C
C408	6800pF ± 5 % 50 V ST.		1C
C409	0.022μF ±10% 50 V MY.	0601227	1B
C410	2700pF ± 5 % 50 V ST.	0620272	2B
C411	3.3μF 50 V EL.	0515339	2B
C412	820pF ± 5 % 50 V ST.	0620821	2A, B
C413	820pF ± 5 % 50 V ST.		2A, B
C414	0.1μF ±10% 50 V MY.	0601108	2A
C415	3.3μF 50 V EL.	0515339	2A
C416	3.3μF 50 V EL.		2A
C417	0.1μF ±10% 50 V MY.	0601108	2A
C418	1500pF ± 5 % 50 V ST.	0620152	2A
C419	560pF ± 5 % 50 V ST.	0620561	2A
C420	1500pF ± 5 % 50 V ST.	0620152	2A
C421	0.05μF +80 −20 % 25 V CE.	0659007	2A
C422	1μF 50 V EL.	0515109	2A
C423	0.022μF ±10% 50 V MY.	0601227	2A
C424	0.022μF ±10% 50 V MY.		2B
C425	1μF 50 V EL.	0515109	2B
C426	0.0068μF ± 5 % 50 V MY.	0601686	1, 2A
C427	0.0068μF ± 5 % 50 V MY.		1A
C428	560pF ± 5 % 50 V ST.	0620561	1A
C429	560pF ± 5 % 50 V ST.		1A
C430	0.0022μF ± 5 % 50 V MY.	0601226	1A
C431	0.0022μF ± 5 % 50 V MY.		1A
C432	0.0022μF ± 5 % 50 V MY.		1A
C433	0.0022μF ± 5 % 50 V MY.		1A
C434	0.0022μF ± 5 % 50 V MY.		1A
C435	0.0022μF ± 5 % 50 V MY.		1A
C436	0.0022μF ± 5 % 50 V MY.		1A
C437	0.0022μF ± 5 % 50 V MY.		1A
C438	220pF ± 5 % 50 V ST.	0620221	2C
C439	4700pF ± 5 % 50 V ST.	0620472	2C
C440	0.01μF +80 −20 % 25 V CE.	0659004	1B
C441	0.68μF 25 V AL.	0563688	1B
C442	2200pF ± 5 % 50 V ST.	0620222	2C
C443	270pF ± 5 % 50 V ST.	0620271	2C
C444	0.022μF ±10% 50 V MY.	0601227	2B

W	X			Y	Z
C445	10μF		25 V EL.	0513100	2 B
C446	1μF		50 V EL.	0515109	1 C
C447	10μF		10 V EL.	0511100	2 B
C448	0.1μF	±10%	50 V MY.	0601108	1 C
C449	100μF		25 V EL.	0513101	1, 2 C
C452	0.68μF		25 V AL.	0563688	1 A
TR401	2SC871 (F)			0305475	2 C
TR402	2SC711 (E, F)			0305731, 2	1 C
TR403	2SA562 (O, Y)			0300220, 1	1 B
TR404	2SC735 (O, Y)			0305640, 1	2 B
TR405	2SC871 (F)			0305475	2 A
TR406					2 A
TR407					2 A
TR408					2 A
TR409	2SC733 (O, Y)			0305370, 1	1 A
TR410					1 A
TR411	2SC711 (E, F)			0305731, 2	2 C
TR412	2SC733 (O, Y)			0305370, 1	1 B, C
TR413	2SC711 (E, F)			0305731, 2	1 C
TR414	2SC733 (O, Y)			0305370, 1	1 B
TR415					1 B
TR416					1 A, B
TR417					1 B

W	X	Y	Z
TR418	2SC711 (E, F)	0305731, 2	1 B
D401	IN34A	0310400	1 C
D402			1 C
D403	IN34A (Y)	0310401	2 B
D404			2 B
D405			2 B
D406			2 B
D407	IN34A	0310400	2 B
D408	DS-410	0340030	1 B
D409	IN34A	0310400	1 B
T401	19kHz Tuning Coil	4240520	1, 2 C
T402	19kHz Tuning Coil	4240540	1 C
T403	38kHz Tuning Coil	4240530	2 B
L401	Ferri Inductor	4000900	2 C
L402			2 C
L403	71kHz Trap Coil	4240560	2 C
L404	67kHz Trap Coil	4240410	2 C
L405		4240550	1 C
L406	Low Pass Filter Coil	4240400	1 A
L407			1 A
L408			1 A
L409			1 A

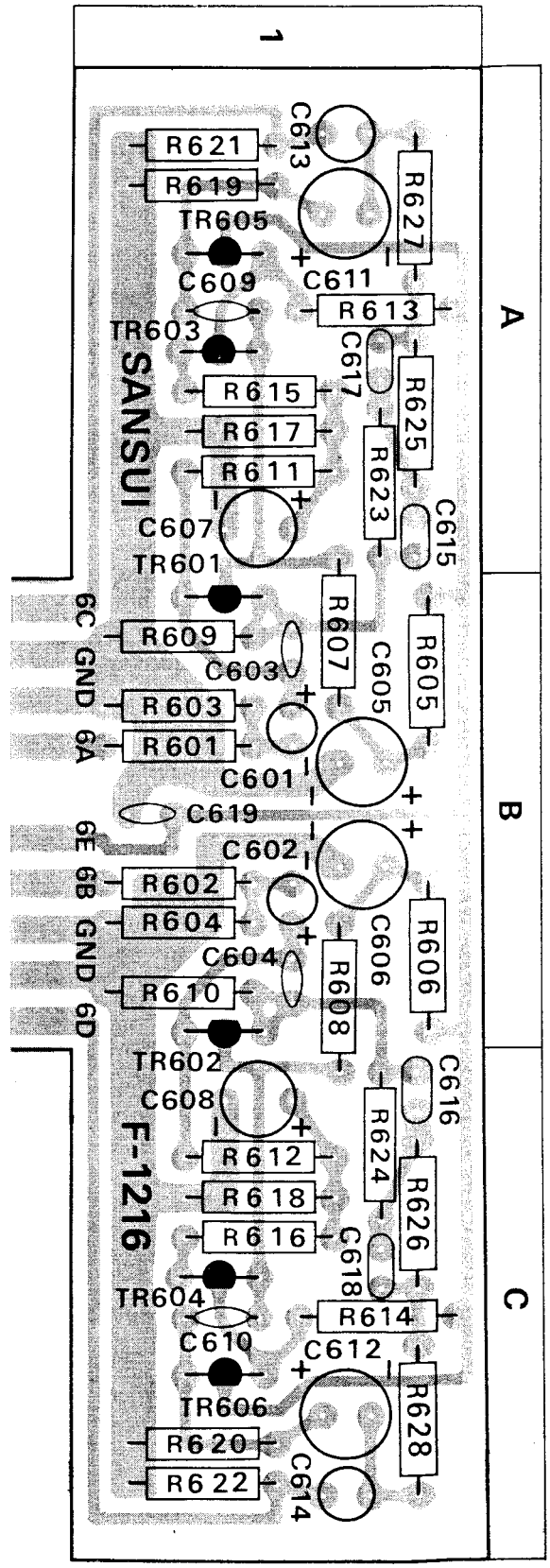


PRINTED CIRCUIT BOARDS AND PARTS LIST

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

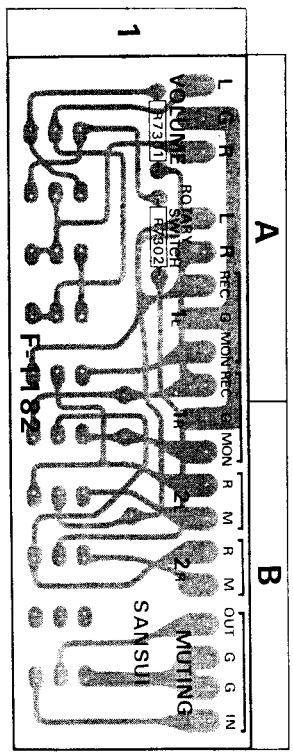
HEAD AMP BLOCK 〈F-1216〉

W	X	Y	Z
R601	1kΩ	0101102	1 B
R602	1kΩ	0101102	1 B
R603	180kΩ	0101184	1 B
R604	180kΩ	0101184	1 B
R605	47kΩ	0101473	1 B
R606	47kΩ	0101473	1 B
R607	330kΩ	0101334	1 A, B
R608	330kΩ	0101334	1 B, C
R609	560Ω	0101561	1 B
R610	560Ω	0101561	1 B
R611	220kΩ	0101224	1 A
R612	220kΩ	0101224	1 C
R613	56kΩ	0101563	1 A
R614	56kΩ	0101563	1 C
R615	330Ω	0101331	1 A
R616	330Ω	0101331	1 C
R617	2.2kΩ	0101222	1 A
R618	2.2kΩ	0101222	1 C
R619	5.6kΩ	0101562	1 A
R620	5.6kΩ	0101562	1 C
R621	47kΩ	0101473	1 A
R622	47kΩ	0101473	1 C
R623	470kΩ	0101474	1 A
R624	470kΩ	0101474	1 C
R625	39kΩ	0101393	1 A
R626	39kΩ	0101393	1 C
R627	820Ω	0101821	1 A
R628	820Ω	0101821	1 C
	±10% ¼W CB.		
C601	1.5μF	0573159	1 B
C602	1.5μF		1 B
	+40 −20 % 25 V TA.		
C603	150 pF	0660151	1 B
C604	150 pF		1 B
	±10% 50 V CE.		
C605	10μF	0515100	1 B
C606	10μF		1 B
	50 V EL.		
C607	10μF	0511100	1 A
C608	10μF		1 C
	10 V EL.		
C609	33 pF	0660330	1 A
C610	33 pF		1 C
	±10% 50 V CE.		
C611	10μF	0515100	1 A
C612	10μF		1 C
	50 V EL.		
C613	0.47μF	0535478	1 A
C614	0.47μF		1 C
	±30% 50 V BP.		
C615	0.0068μF	0600686	1 A
C616	0.0068μF		1 C
	± 5 % 50 V MY.		
C617	0.002μF	0600206	1 A
C618	0.002μF		1 C
	± 5 % 50 V MY.		
C619	0.02μF +100 0 % 50 V CE.	0650203	1 B
TR601	2SC693G(Y)	0305752	1 A
TR602			1 B
TR603	2SC693F V4	0305820	1 A
TR604			1 C
TR605	2SC632A-1 (6, 7)	0305763, 4	1 A
TR606			1 C



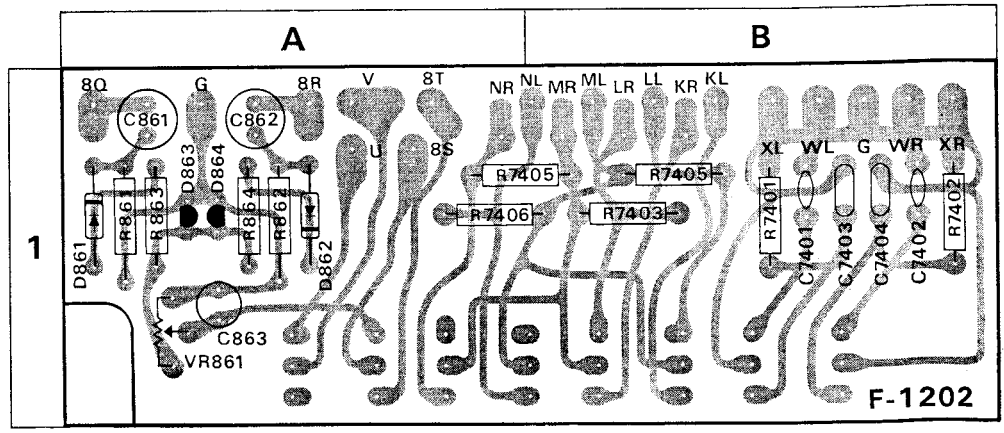
ACCESSORY SWITCH BLOCK〈F-1182〉

W	X	Y	Z
R7301 R7302	12kΩ 12kΩ } ±10% ¼W CB.	0101123	1 A 1 A
S2 (a, b)	Tape Monitor 1 Switch		
S3 (a, b)	Tape Monitor 2 Switch		
S4 (a, b)	Reverse Switch	1130310	
S5 (a, b)	Mono Switch		
S6 (a, b)	FM Muting Off Switch		



ACCESSORY SWITCH BLOCK〈F-1202〉

W	X	Y	Z
R7401 R7402	33kΩ 33kΩ } ±10% ¼W CB.	0101333 0101333	1 B 1 B
R7501 R7502 R7503 R7504	470kΩ 470kΩ 470kΩ 470kΩ } ±10% ¼W CB.	0101474 0101474 0101474 0101474	
R861 R862	2.2kΩ 2.2kΩ } ±10% ½W SL.	0111222	1 A 1 A
R863 R864	4.7kΩ 4.7kΩ } ±10% ¼W CB.	0101472	1 A 1 A
VR861	10kΩ(B)	1030750	1 A
C7401 C7402	150μF 150μF } ± 5 % 50 V MC.	0640151	1 B 1 B
C7403 C7404	0.01μF 0.01μF } ±10% 50 V MY.	0601107	1 B 1 B
C861 C862	4.7μF 4.7μF } ±30% 50 V BP.	0535479	1 A 1 A
C863	10μF ±30% 16 V BP.	0532100	1 A
D861 D862	} IN34A	0310400	1 A 1 A
D863 D864	} DS-410	0340030	1 A 1 A
S7 (a, b)	Loudness Switch		
S8 (a, b)	High Filter Switch		
S9 (a, b)	Low Filter Switch	1130300	
S10 (a, b)	Balance Check Switch		



PRINTED CIRCUIT BOARDS AND PARTS LIST

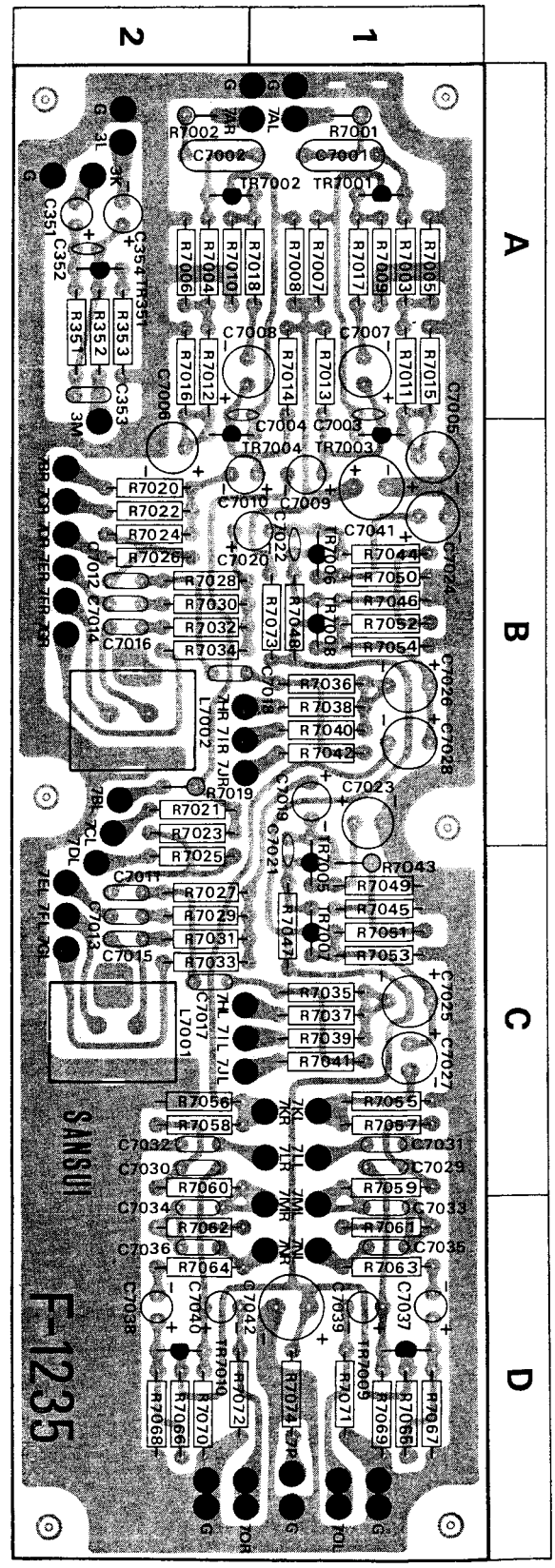
W: Parts No. **X:** Parts Name **Y:** Stock No. **Z:** Position of Parts

TONE CONTROL AND AM AUDIO AMP BLOCK ⟨F-1235⟩

W	X	Y	Z
R351	1MΩ }	0101105	2 A
R352	5.6kΩ }	0101562	2 A
R353	1.2kΩ }	0101122	2 A
R7001	2.7kΩ }	0100272	1 A
R7002	2.7kΩ }	0100272	2 A
R7003	100kΩ }	0101104	1 A
R7004	100kΩ }	0101104	2 A
R7005	150kΩ }	0101154	1 A
R7006	150kΩ }	0101154	2 A
R7007	100kΩ }	0101104	1 A
R7008	100kΩ }	0101104	1 A
R7009	1kΩ }	0101102	1 A
R7010	1kΩ }	0101102	2 A
R7011	120kΩ }	0101124	1 A
R7012	120kΩ }	0101124	2 A
R7013	5.6kΩ }	0101562	1 A
R7014	5.6kΩ }	0101562	1 A
R7015	680Ω }	0101681	1 A
R7016	680Ω }	0101681	2 A
R7017	4.7kΩ }	0101472	1 A
R7018	4.7kΩ }	0101472	1 A
R7019	2.7kΩ }	0100272	2 B
R7020	2.7kΩ }	0101272	2 B
R7021	5.6kΩ }	0101562	2 B
R7022	5.6kΩ }	0101562	2 B
R7023	8.2kΩ }	0101822	2 B
R7024	8.2kΩ }	0101822	2 B
R7025	1.2kΩ }	0101122	2 C
R7026	1.2kΩ } ±10% ¼W CB.	0101122	2 B
R7027	12kΩ }	0101123	1, 2 C
R7028	12kΩ }	0101123	1, 2 B
R7029	1kΩ }	0101102	1, 2 C
R7030	1kΩ }	0101102	1, 2 B
R7031	12kΩ }	0101123	1, 2 C
R7032	12kΩ }	0101123	1, 2 B
R7033	8.2kΩ }	0101822	1, 2 C
R7034	8.2kΩ }	0101822	1, 2 B
R7035	8.2kΩ }	0101822	1 C
R7036	8.2kΩ }	0101822	1 B
R7037	2.7kΩ }	0101272	1 C
R7038	2.7kΩ }	0101272	1 B
R7039	5.6kΩ }	0101562	1 C
R7040	5.6kΩ }	0101562	1 B
R7041	2.7kΩ }	0101272	1 C
R7042	2.7kΩ }	0101272	1 B
R7043	100kΩ }	0100104	1 C
R7044	100kΩ }	0101104	1 B
R7045	100kΩ }	0101104	1 C
R7046	100kΩ }	0101104	1 B
R7047	8.2kΩ }	0101822	1 C
R7048	8.2kΩ }	0101822	1 B
R7049	680Ω }	0101681	1 C
R7050	680Ω }	0101681	1 B
R7051	270kΩ }	0101274	1 C
R7052	270kΩ }	0101274	1 B
R7053	5.6kΩ }	0101562	1 C
R7054	5.6kΩ }	0101562	1 B

W	X	Y	Z
R7055	47kΩ }	0101473	1 C
R7056	47kΩ }	0101473	2 C
R7057	1 2kΩ }	0101122	1 C
R7058	1 2kΩ }	0101122	2 C
R7059	3 3kΩ }	0101332	1 C
R7060	3 3kΩ }	0101332	2 C
R7061	22kΩ }	0101223	1 D
R7062	22kΩ }	0101223	2 D
R7063	1kΩ }	0101102	1 D
R7064	1kΩ } ±10% ¼W CB.	0101102	2 D
R7065	100kΩ }	0101104	1 D
R7066	100kΩ }	0101104	2 D
R7067	180kΩ }	0101184	1 D
R7068	180kΩ }	0101184	2 D
R7069	5.6kΩ }	0101562	1 D
R7070	5.6kΩ }	0101562	2 D
R7071	47kΩ }	0101473	1 D
R7072	47kΩ }	0101473	1, 2 D
R7073	220Ω }	0101221	1 B
R7074	220Ω }	0101221	1 D
C351	1μF 50 V EL.	0515109	2 A
C352	100pF ±10% 50 V CE.		2 A
C353	0.002μF ±10% 50 V MY.	0601206	2 A
C354	0.1μF 25 V AL.	0563108	2 A
C7001	0.22μF } ±10% 50 V MY.	0601228	1 A
C7002	0.22μF }		1, 2 A
C7003	100pF } ±10% 50 V CE.	0660101	1 A
C7004	100pF }		1, 2 A
C7005	33μF } 6.3 V EL.	0510330	1 B
C7006	33μF }		2 B
C7007	33μF } 16 V EL.	0512330	1 A
C7008	33μF }		1, 2 A
C7009	10μF } 25 V EL.	0513100	1 B
C7010	10μF }		1, 2 B
C7011	0.033μF }	0601337	2 C
C7012	0.033μF }	0601337	2 B
C7013	0.003μF }	0601306	2 C
C7014	0.003μF } ±10% 50 V MY.	0601306	2 B
C7015	0.015μF }	0601157	2 C
C7016	0.015μF }	0601157	2 B
C7017	0.033μF }	0601337	2 C
C7018	0.033μF }	0601337	1 B
C7019	3.3μF } 25 V EL.	0513339	1 B
C7020	3.3μF }		1, 2 B
C7021	100pF } ±10% 50 V CE.	0660101	1 B, C
C7022	100pF }		1 B
C7023	33μF } 6.3 V EL.	0510330	1 B
C7024	33μF }		1 B
C7025	10μF } 25 V EL.	0513100	1 C
C7026	10μF }		1 B
C7027	2.2μF } 25 V AL.	0563229	1 C
C7028	2.2μF }		1 B
C7029	0.02μF }	0601207	1 C
C7030	0.02μF } ±10% 50 V MY.	0601207	2 C
C7031	0.008μF }	0601806	1 C
C7032	0.008μF }	0601806	2 C

W	X	Y	Z
C7033	0.08μF } ±10% 50 V MY.	0601807	1 D
C7034	0.08μF }	0601807	2 D
C7035	0.04μF }	0601407	1 D
C7036	0.04μF }	0601407	2 D
C7037	0.68μF } 25 V AL.	0563688	1 D
C7038	0.68μF }		2 D
C7039	1μF } 50 V EL.	0515109	1 D
C7040	1μF }		2 D
C7041	100μF } 25 V EL.	0513101	1 B
C7042	100μF }		1 D
TR351	2SC693F	0305171	2 A
TR7001	2SC693F (Y)	0305750	1 A
TR7002			1, 2 A
TR7003	2SC693Fu	0305171	1 B
TR7004			1, 2 B
TR7005	2SC693E (Y)	0305750	1 B, C
TR7006			1 B
TR7007	2SC693EU	0305170	1 C
TR7008			1 B
TR7009			1 D
TR7010			2 D
L7001	0.8H Choke Coil	4210060	2 C
L7002			2 B



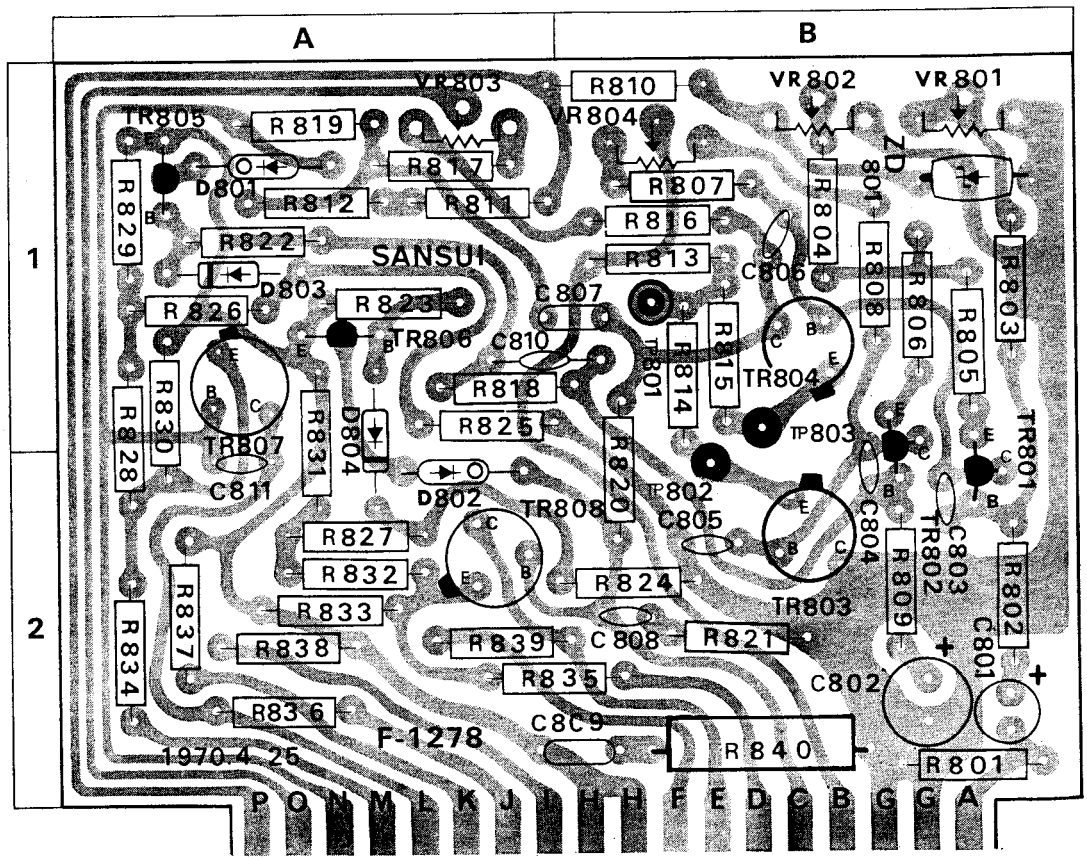
PRINTED CIRCUIT BOARDS AND PARTS LIST

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

DRIVER BLOCK 〈F-1278〉

W	X	Y	Z
R801	680kΩ ±10% ¼W CB.	0101684	2 B
R802	3.3kΩ ±10% ¼W CB.	0101332	2 B
R803	68kΩ ±10% ¼W CB.	0101683	1 B
R804	330Ω ±10% ¼W CB.	0101331	1 B
R805	100Ω ±10% ¼W CB.	0101101	1 B
R806	100Ω ±10% ¼W CB.	0101101	1 B
R807	3.9kΩ ±10% ¼W CB.	0101392	1 B
R808	3.9kΩ ±10% ¼W CB.	0101392	1 B
R809	3.3kΩ ±10% ¼W CB.	0101332	2 B
R810	10kΩ ±10% ½W SL.	0111103	1 B
R811	3.9kΩ ±10% ¼W CB.	0101392	1 A
R812	3.9kΩ ±10% ¼W CB.		1 A
R813	470Ω ±10% ¼W CB.	0101471	1 B
R814	100Ω ±10% ¼W CB.	0101101	1 B
R815	100Ω ±10% ¼W CB.		1 B
R816	820Ω ±10% ¼W CB.	0101821	1 B
R817	3.9kΩ ±10% ¼W CB.	0101392	1 A
R818	100kΩ ±10% ¼W CB.	0101104	1 A, B
R819	39Ω ±10% ¼W CB.	0101390	1 A
R820	4.7Ω ±10% ¼W CB.	0101479	1, 2 B
R821	220Ω ±10% ¼W CB.	0101221	2 B
R822	270Ω ±10% ¼W CB.	0101271	1 A
R823	270Ω ±10% ¼W CB.		1 A
R824	27kΩ ±10% ¼W CB.	0101273	2 B

W	X	Y	Z
R825	27kΩ ±10% ¼W CB.	0101273	1 A
R826	47Ω ±10% ¼W CB.	0101470	1 A
R827	47Ω ±10% ¼W CB.		2 A
R828	680Ω ±10% ¼W CB.	0101681	1, 2 A
R829	150Ω ±10% ¼W CB.	0101151	1 A
R830	820Ω ±10% ¼W CB.	0101821	1, 2 A
R831	150Ω ±10% ¼W CB.	0101151	1, 2 A
R832	680Ω ±10% ¼W CB.	0101681	2 A
R833	820Ω ±10% ¼W CB.	0101821	2 A
R834	10Ω ±10% ¼W CB.	0101100	2 A
R835	10Ω ±10% ¼W CB.	0101100	2 A, B
R836	15Ω ±10% ¼W CB.	0101150	2 A
R837	150Ω ±10% ¼W CB.	0101151	2 A
R838	18Ω ±10% ¼W CB.	0101180	2 A
R839	150Ω ±10% ¼W CB.	0101151	2 A, B
R840	6.8Ω ±10% 2 W CM.	0152689	2 B
VR801	100kΩ (B)	1030380	1 B
VR802	3kΩ (B)	1030660	1 B
VR803	1kΩ (B)	1030530	1 A
VR804	3kΩ (B)	1030660	1 B
C801	1μF 50 V EL.	0515109	2 B
C802	10μF 50 V EL.	0515100	2 B



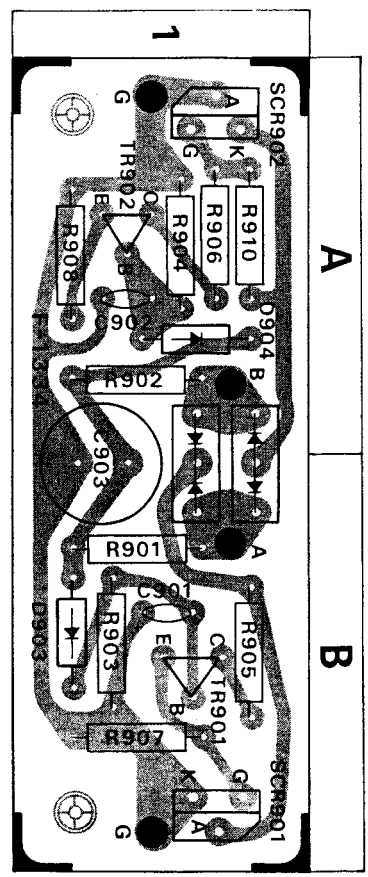
W	X	Y	Z
C803	33pF } ±10% 50 V CE.	0660330	2 B
C804	33pF }		2 B
C807	0.1μF ±10% 50 V MY.	0601108	1 A, B
C808	100pF ±10% 50 V CE.	0660101	2 B
C809	0.1μF ±10% 50 V MY.	0601108	2 A, B
C810	10pF ±10% 50 V CE.	0660100	1 A, B
C811	100pF ±10% 50 V CE.	0660101	2 A
TR801	2N4250 (R, BL)	0303160, 1	1, 2 B
TR802			2 B
TR803	2SC627 (1, 2)	0305580, 1	2 B
TR804			1 B
TR805	2SC735 (O, Y)	0305640, 1	1 A
TR806	2SA562 (O, Y)	0300220, 1	1 A
TR807	2SC708A (B, C)	0305481, 2	1 A
TR808	2SA537A (B, C)	0300121, 2	2 A
D801	SM-150-01	0310280	1 A
D802			2 A
D803	IN60	0310331	1 A
D804			1, 2 A
ZD801	ZB-1-8 Zener Diode	0310830	1 B

LAMP HOLDER BLOCK 〈F-1205〉

W	X	Y	Z
PL006	6.3V 0.25A Dial Indicator Lamp F type	0420020	
PL007			
PL008			
PL009			
PL010			

SP PROTECTOR BLOCK 〈F-1334〉

W	X	Y	Z
R901	10kΩ } ±10% ¼W CB.	0101103	1 B
R902	10kΩ	0101103	1 A
R903	3.9kΩ	0101392	1 B
R904	3.9kΩ	0101392	1 A
R905	560Ω	0101561	1 B
R906	470Ω	0101471	1 A
R907	150Ω	0101151	1 B
R908	120Ω	0101121	1 A
R910	150Ω	0101151	1 A
C901	0.02μF } +80% −20% 25 V CE.	0659005	1 B
C902	0.02μF }		1 A
C903	470μF 6.3 V BP.	0530471	1 A, B
TR901	CDC8002-1 (B, C)	0305551, 2	1 B
TR902	CDC9002-1 (B, C)	0300141, 2	1 A
D901	10DC-IR	0310670	
D902	10DC-IN	0310680	
D903	SRIFM-2	0310870	1 B
D904			1 A
SCR901	IRC5	0350050	1 B
SCR902			1 A

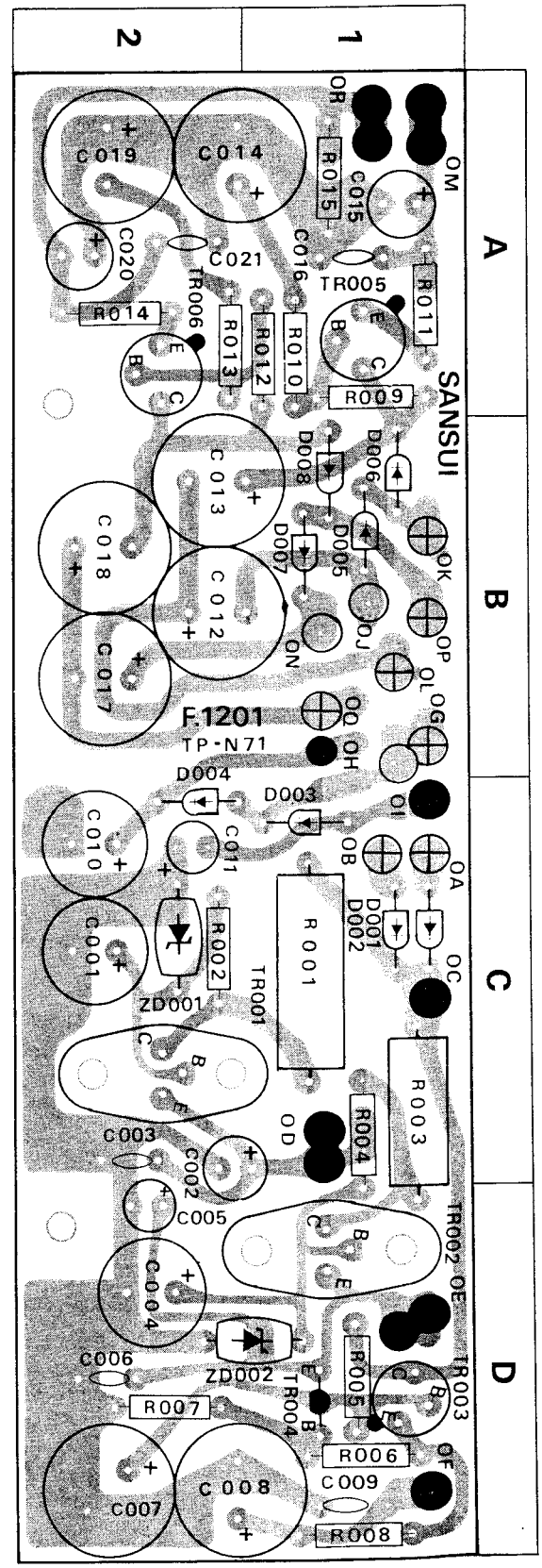


PRINTED CIRCUIT BOARDS AND PARTS LIST

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

POWER BLOCK 〈F-1201〉

W	X	Y	Z
R001	390Ω ±10% 5W CM.	0165391	1C
R002	1.5kΩ ±10% ¼W CB.	0101152	2C
R003	390Ω ±10% 2W CM.	0162391	1C,D
R004	3.9kΩ	0101392	1C
R005	4.7kΩ	0101472	1D
R006	18kΩ	0101183	1D
R007	22kΩ ±10% ¼W CB.	0101223	2D
R008	220Ω	0101221	1D
R009	6.8kΩ	0101682	1A
R010	68Ω	0101680	1A
R011	22Ω ±10% ½W SL.	0111220	1A
R012	6.8kΩ ±10% ¼W CB.	0101682	1A
R013	68Ω	0101680	2A
R014	10Ω ±10% ½W SL.	0111100	2A
R015	10kΩ	0111103	1A
C001	330μF 16 V EL.	0512331	2C
C002	47μF	0512470	1,2C
C003	0.05μF +100 −0% 50 V CE.	0650503	2C
C004	220μF 25 V EL.	0513221	2D
C005	10μF	0513100	2C,D
C006	0.05μF +100 −0% 50 V CE.	0650503	2D
C007	100μF 75 V EL.	0519301	2D
C008	100μF		1,2D
C009	0.05μF +100 −0% 50 V CE.	0650503	1D
C010	330μF 10 V EL.	0511331	2C
C011	10μF	0511100	2C
C012	1000μF 6.3 V EL.	0510102	1,2B
C013	1000μF		1,2B
C014	100μF 75 V EL.	0519301	1,2A
C015	4.7μF 63 V EL.	0516479	1A
C016	0.033μF +100 −0% 75 V CE.	0651333	1A
C017	1000μF 6.3 V EL.	0510102	2B
C018	1000μF		2B
C019	100μF 75 V EL.	0519301	2A
C020	4.7μF 63 V EL.	0516479	2A
C021	0.033μF +100 −0% 75 V CE.	0651333	2A
TR001	2SD223	0308230	1C
TR002			1,2D
TR003	CDC-8003-1 (A, B)	0305670, 1	1D
TR004	2SC632A (2)	0305763,4,5	1D
TR005	2SC486 (R, Y, BL)	0305810,1,2	1A
TR006	2SA486 (R, Y, BL)	0300240,1,2	2A
D001	10D-1	0310340	1C
D002			1C
D003			1C
D004			2C
D005			1B
D006			1B
D007			1B
D008			1B
ZD001	ZB-1-14	0310691	2C
ZD002	ZB-1-25	0310710	1,2D



OTHER PARTS AND THEIR POSITION ON CHASSIS

W	X	Y
R016	5.6kΩ ±10% 2W CM.	0162562
R017	5.6kΩ ±10% 2W CM.	0162562
R018	10Ω ±10% ¼W CB.	0101100
R019	680kΩ ±10% ¼W CB.	0101684
R020	22Ω ±10% ¼W SL.	0110220
R021	82Ω	0101820
R022	82Ω	0101820
R252	120Ω	0101121
R631	100kΩ	0101104
R632	100kΩ	0101104
R633	220kΩ	0101224
R634	220kΩ	0101224
R635	100kΩ	0101104
R636	100kΩ	0101104
R7201	2.7kΩ	0101272
R7202	2.7kΩ	0101272
R7203	2.7kΩ	0101272
R7204	2.7kΩ	0101272
R7205	3.9kΩ	0101392
R7206	3.9kΩ	0101392
R7207	4.7kΩ	0101472
R7208	4.7kΩ	0101472
R7209	5.6kΩ	0101562
R7210	5.6kΩ	0101562
R7211	5.6kΩ	0101562
R7212	5.6kΩ	0101562
R7213	4.7kΩ	0101472
R7214	4.7kΩ	0101472
R7215	3.9kΩ	0101392
R7216	3.9kΩ	0101392
R7217	2.7kΩ ±10% ¼W CB.	0101272
R7218	2.7kΩ ±10% ¼W CB.	0101272
R7219	2.7kΩ ±10% ¼W CB.	0101272
R7220	2.7kΩ ±10% ¼W CB.	0101272
R7221	2.7kΩ ±10% ¼W CB.	0101272
R7222	2.7kΩ ±10% ¼W CB.	0101272
R7223	3.3kΩ ±10% ¼W CB.	0101332
R7224	3.3kΩ ±10% ¼W CB.	0101332
R7225	3.9kΩ ±10% ¼W CB.	0101392
R7226	3.9kΩ ±10% ¼W CB.	0101392
R7227	4.7kΩ ±10% ¼W CB.	0101472
R7228	4.7kΩ ±10% ¼W CB.	0101472
R7229	4.7kΩ ±10% ¼W CB.	0101472
R7230	4.7kΩ ±10% ¼W CB.	0101472
R7231	4.7kΩ ±10% ¼W CB.	0101472
R7232	4.7kΩ ±10% ¼W CB.	0101472
R7233	4.7kΩ ±10% ¼W CB.	0101472
R7234	4.7kΩ ±10% ¼W CB.	0101472
R7235	3.9kΩ ±10% ¼W CB.	0101392
R7236	3.9kΩ ±10% ¼W CB.	0101392
R7237	3.3kΩ ±10% ¼W CB.	0101332
R7238	3.3kΩ ±10% ¼W CB.	0101332
R7239	2.7kΩ ±10% ¼W CB.	0101272
R7240	2.7kΩ ±10% ¼W CB.	0101272
R7241	3.3kΩ ±10% ¼W CB.	0101332
R7242	3.3kΩ ±10% ¼W CB.	0101332
R7243	3.9kΩ ±10% ¼W CB.	0101392
R7244	3.9kΩ ±10% ¼W CB.	0101392
R7245	3.9kΩ ±10% ¼W CB.	0101392

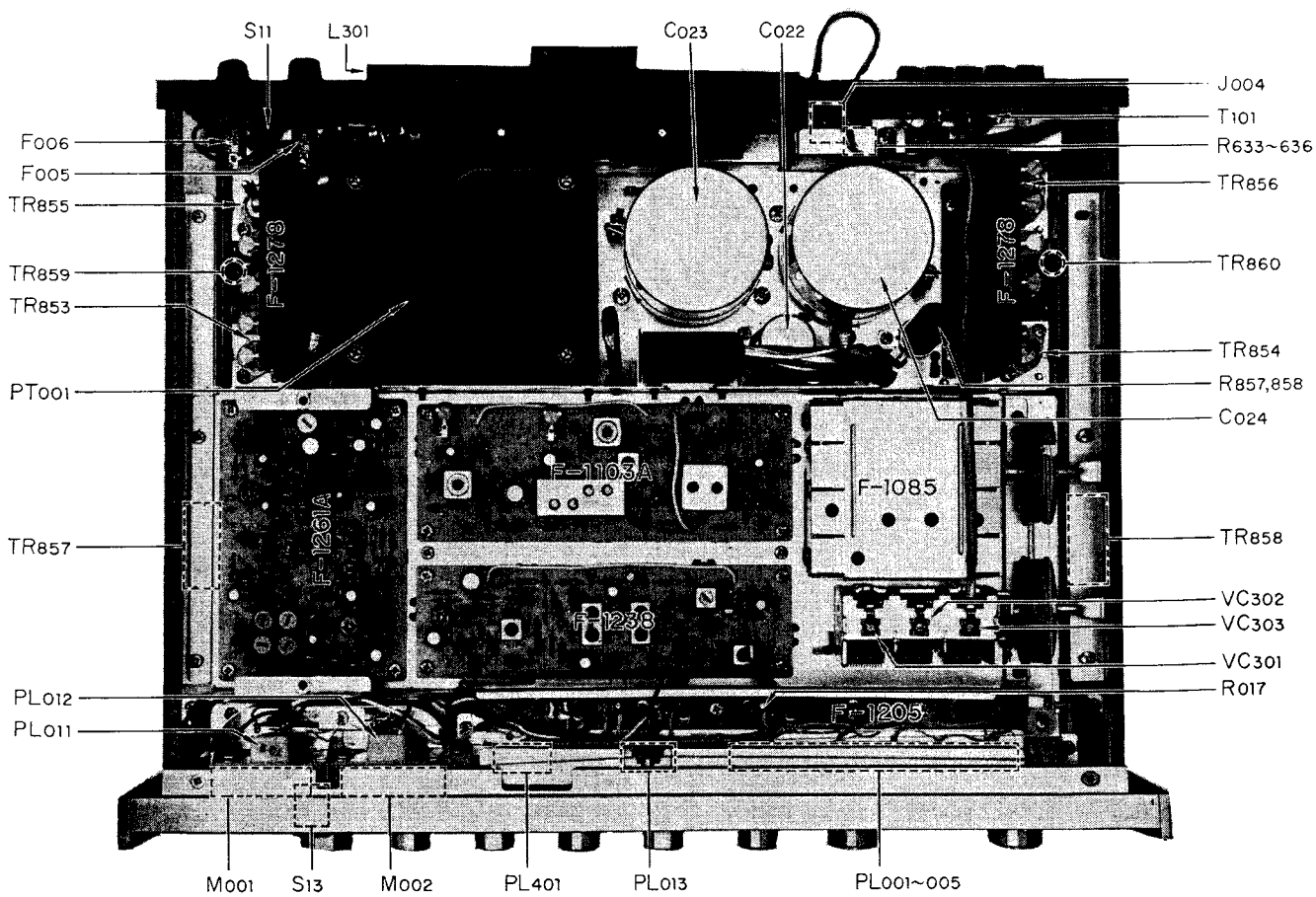
W	X	Y
R7246	3.9kΩ ±10% ¼W CB.	0101392
R7247	5.6kΩ ±10% ¼W CB.	0101562
R7248	5.6kΩ ±10% ¼W CB.	0101562
R7249	5.6kΩ ±10% ¼W CB.	0101562
R7250	5.6kΩ ±10% ¼W CB.	0101562
R7251	5.6kΩ ±10% ¼W CB.	0101562
R7252	5.6kΩ ±10% ¼W CB.	0101562
R7253	4.7kΩ ±10% ¼W CB.	0101472
R7254	4.7kΩ ±10% ¼W CB.	0101472
R7255	4.7kΩ ±10% ¼W CB.	0101472
R7256	4.7kΩ ±10% ¼W CB.	0101472
R7257	4.7kΩ ±10% ¼W CB.	0101472
R7258	4.7kΩ ±10% ¼W CB.	0101472
R7259	3.3kΩ ±10% ¼W CB.	0101332
R7260	3.3kΩ ±10% ¼W CB.	0101332
R851	0.3Ω ±20% 3W CM.	0153308
R852	0.3Ω ±20% 3W CM.	
R853	0.3Ω ±20% 3W CM.	
R854	0.3Ω ±20% 3W CM.	
R855	680Ω ±10% 2W CM.	0162681
R856	680Ω ±10% 2W CM.	
R857, 858	16Ω×2 ±10% 15W CM.	0159050
VR001,002	50kΩ(B)×2 FM Level Adj.	1015011
VR003	50kΩ(B) AM Level Adj.	1005031
VR004	200kΩ(B) Muting Adj.	1005090
VR7001,7002	250kΩ(MN) Balance	1010540
VR7003,7004	250kΩ(B)×2 Volume	1010550
C022	1000μF 63 V EL.	0559501
C023	8000μF 50 V EL.	0559312
C024	8000μF 50 V EL.	
C025	0.05μF +100 −0% 50 V CE.	0650503
C026	0.05μF +100 −0% 50 V CE.	
C027	0.0047μF 600V O.	0591476
C028	0.0047μF 600V O.	0591476
C029	0.033μF 600V O.	0591337
C030	0.05μF +100 −0% 50 V CE.	0650503
C031	0.05μF +100 −0% 50 V CE.	
C032	470pF ±10% 50 V CE.	0660471
C033	0.02μF +80 −20% 25 V CE.	0659005
C034	0.02μF +80 −20% 25 V CE.	
C254	0.02μF +80 −20% 25 V CE.	
C255	56pF ±10% 50 V CE.	0660560
C256	0.047μF +80 −20% 25 V CE.	0656473
L211	3.3μH Micro Inductor	4900100
CR001	0.05pF X4 50 V CE.	0800121
VC301,302, 303	AM 3 Gang Variable Condenser	120050
TR851	2SC281(B)	0305121
TR852	2SC281(B)	
TR853	2SC680(B,C)	0305621, 2
TR854	2SC680(B,C)	
TR855	2SA566(B,C)	0300151, 2
TR856	2SA566(B,C)	
TR857	2SC1079(R,Y)	0305780, 1
TR858	2SC1079(R,Y)	
TR859	2SC1079(R,Y)	
TR860	2SC1079(R,Y)	

OTHER PARTS AND THEIR POSITION ON CHASSIS

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

W	X	Y
D009	5B2	0310660
D419 D420	IN34A	0310403
PT001	Power Transformer 400-5380	4000750
S1(1f~5R)	Selector Switch Y-6-14-6	1105070
S11(a.b)	Speaker Mode Switch	1110090
S12(1f~3R)	Speaker Selector Switch	1103300
S13	Power Switch	1130320
S14	Midrange Control	1102210
S15	Treble Control	1102210
S16	Bass Control	1102210
T101	FM 75Ω : 300Ω High requency Transformer	4290021
L301	AM Bar Antenna	4200360
PU001	Voltage Adjustor Socket	2410170
	Main Plug	2410180
	Sub-plug	2410190
J001	Headphones Jack	2430070
J002	Tape Rec. 2 Jack	2430060
J003	Tape Play. 2 Jack	2430060

W	X	Y
J004	DIN Socket	2430050
CO001	AC Outlet	2450040
CO002	AC Outlet	2450010
F001 F002 F003 F004 F005 F006	5A Quick Acting Fuse	0430141 0400150
F007	5A Fuse (100~127V)	0430062
	3A Fuse (220~250V)	0430042
PL001~005	Function Indicator Lamp	0400150
PL011	Tuning Meter Lamp	0400160
PL012	Center Meter Lamp	0400160
PL013	Needle Lamp	0400100
PL401	Stereo Indicator	0400160
M001	200μA Tuning Meter	4300310
M002	±100μA Center Meter	4300340



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