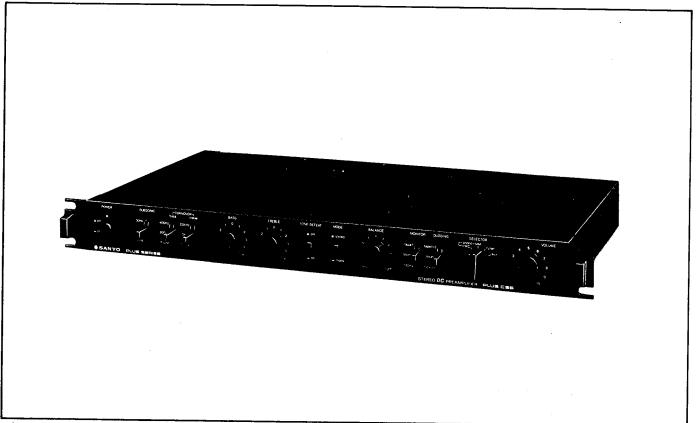


STEREO PREAMPLIFIER





SPECIFICATIONS

Input Sensitivity/Impedance	
Phone (MM)	2.5 mV/47 k-ohms
Phone (MC)	100 µV/100 ohms
Aux, Tape 1, 2	150 mV/47 k-ohms
Frequency Response	
Phone (RIAA standard curve)	±0.2 dB
Aux, Tape	+0dB/0.3dB
	(20 Hz – 20 kHz)
	+0dB/—1dB
	(10 Hz.– 100 kHz)
Signal-to-Noise Ratio (IHF-A wei	ghted)
Phono MM (at 10 mV)	97 dB
(at 2.5 mV)	85 dB
MC (at 100 μV)	70 dB
Aux, Tape	100 dB
Phone Maximum Input Voltage	
(1 kHz) MM	250 mV RMS
MC	10 mV RMS

Tone Controls	
Bass (100 Hz)	±10 dB max.
Treble (10 kHz)	±10 dB max.
Bass Turnover Frequencies	100/200/400 Hz
Treble Turnover Frequencies	2.5/5.0/10 kHz
Subsonic Filter	
Cutoff Frequency	15/30 Hz
Slope	-12 dB/octave
Output Voltage/Impedance	
Pre Out	1V/600 ohms
TAPE REC 1, 2	150 mV
Total Harmonic Distortion	
(20 Hz-20 kHz, any input to any	output,
output level 3V or less)	0.003%
Power Supply	120V AC, 60 Hz
Power consumption	20W
Dimensions ($W \times D \times H$)	17-3/8′′ × 10-11/16′′ × 1-3/4′′
	(440 x 270 x 44mm)
Weight (Approx.)	3.9kg

* Specification subject to change without notice.

WM-4429

HOW TO REMOVE THE CABINET AND CHASSIS

(1) How to remove a side panel

Unscrew six screws (Y15) (Flat head, 4×10 mm) used to fasten the right and left side panels, and slowly remove these side panels so as not to break the pawl parts (shown inside the circle).

(2) How to detach the top lid

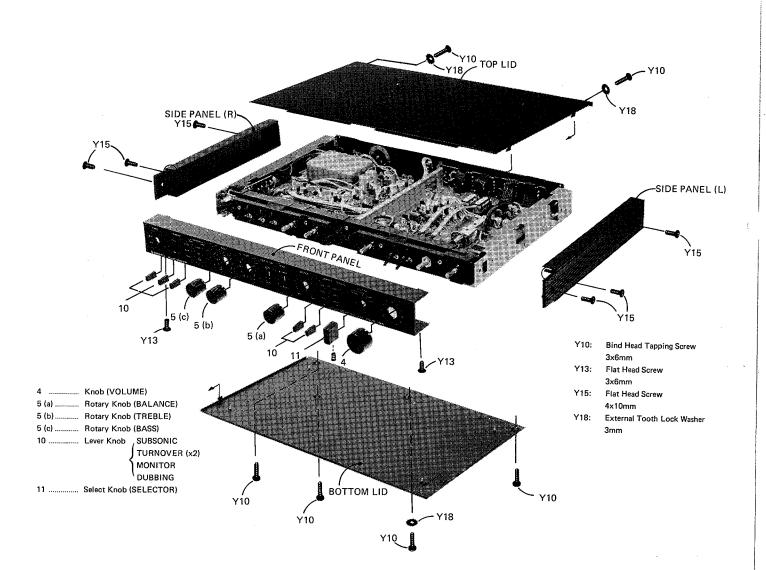
Unscrew two screws (Y10) (Bind head tapping, $3 \times 6 \text{ mm}$) used to fasten the top lid, together with washers (Y18) (External tooth lock washer 3 mm), slide the top lid toward the rear about 1 cm, and detach the lid upward.

(3) How to remove the front panel

Remove the knob (4) and rotary knobs (5) four in total, five lever knobs (10), and one select knob (which is to be removed by loosening the Headless screw with Hex. hole) all provided on the front of the set. Then, as screws (Y13) (Flat head, 3×6 mm) are unscrewed, the front panel can be removed forward.

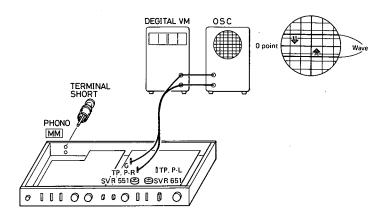
(4) How to detach the bottom lid

Unscrew four screws (Y10) (Bind head tapping, $3 \times 6 \text{ mm}$) used to fasten the bottom lid, together with washers (Y18) (External tooth lock washer 3 mm), and detach the bottom lid toward while sliding it toward the rear about 5 mm.



PHONO AMPLIFIER (MM) DC BALANCE ADJUSTMENT

1. Connect the measuring instruments (digital voltmeter and oscilloscope) as shown below:



CONNECTION DIAGRAM

2. Set the switches and knobs of the set as follows: SELECTOR SW.: PHONO MM

VOLUME VR.:	Max
BALANCE VR.:	Center
DUBBING SW.:	Source
MONITOR SW .:	Source
MODE SW.:	Stereo

- 3. Short-circuit the input terminal and terminal PHONO MM as shown in the figure above.
- Turn on the power, and adjust the SVR551 (250k ohm-N) and SVR651 (250k ohm-M) so that the digital volemeter indicates less than DC ±0.5V.

NOTES:

1. When adjusting a semivariable resistor, adjust it so that the zero point of the oscilloscope should be approached as close as possible.

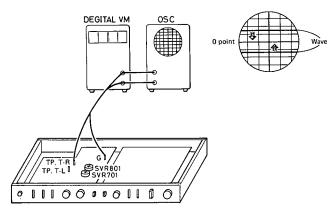
(Refer to the direction of arrow inside the circle in the figure above.)

 Adjust both left and right channels in that order. Left channel → input terminal left channel shortcircuiting → TP P-L connection → SVR551.

Right channel \rightarrow input terminal right channel shortcircuiting \rightarrow TP P-R connection \rightarrow SVR651.

TONE AMPLIFIER DC BALANCE ADJUSTMENT

1. Connect the measuring instruments (digital voltmeter and oscilloscope) as shown below:



CONNECTION DIAGRAM

2. Set the switches and knobs of the set as shown below:

TREBLE VR.:	Center
BASS VR.:	Center
TREBLE TURNOVER SW.:	5 kHz
BASS TURNOVER SW.:	200 Hz
SUBSONIC FILTER SW.:	OFF
TONE DEFEAT SW.:	OFF
VOLUME:	Minimum

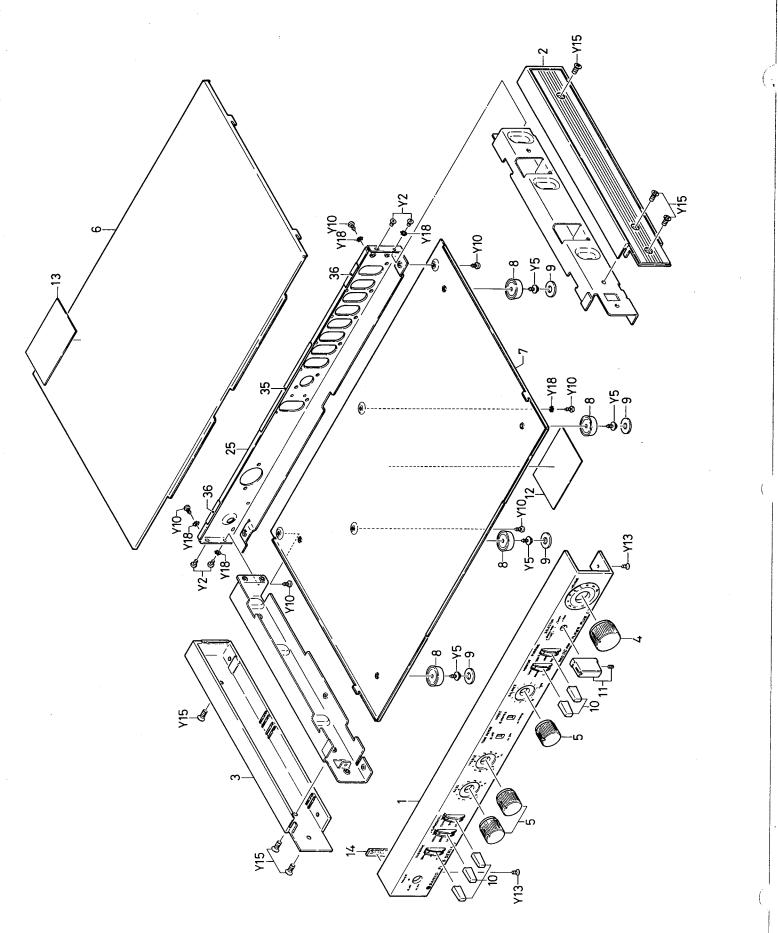
3. Turn on the power, and adjust SVR701 and SVR801 (100 ohm B) so that the digital voltmeter indicates less than DC ±3 mV.

NOTES:

1. When adjusting a semivariable resistor, adjust it so that the zero point of the oscilloscope should be approached as close as possible.

(Refer to the direction of arrow inside the circle in the figure above.)

2. Adjust both left and right channels in that order. Left channel \rightarrow TP T-L connection \rightarrow SVR701. Right channel \rightarrow TP T-R connection \rightarrow SVR801.



PARTS LIST_____

Key No.	Part No.	Description	Q′ty	Key No.	Part No.	Description	Q'ty
PACKING	3			SCREW	MOUNTING	1	I
	141-6-133T-06601 141-6-144T-58100 141-6-317T-15200 141-6-231T-40552 141-6-231T-25350 141-6-231T-10300 141-6-472T-17100 141-6-231T-10150	Individual Carton Foam Plastic Case Pad Inner Polye Cover, Set Inner Polye Cover, Inst. M. Inner Polye Cover, AC Cord Caution Label Inner Polye Cover, Handle	1 2 1 1 1 1 4 2	Y1 Y2 Y3 Y4 Y5		Pan Head Screw, 2.6x8mm Pan Head Scréw, 3x4mm Pan Head Tapping Screw, 3x14mm Pan Head Tapping W/Washer Screw, 3x6mm Pan Head Tapping W/Washer Screw, 3x8mm	2 9 1 14 4
ACCESSC)RY			Y6 Y7 Y8		Bind Head Screw, 3x6mm Bind Head Screw, 3x8mm	2 2
	141-6-410T-34800 4-243T-13375 141-0-271T-15100	Instruction Manual Lead Cord, RCA-RCA Bracket, Handle	1 1 1	Y9 Y10 Y11		Bind Head Screw, 3x10mm Bind Head Tapping Screw, 3x4mm Bind Head Tapping Screw, 3x6mm Bind Head Tapping Screw, 3x8mm	2 5 15 2
CABINET				Y12		Bind Head Tapping Screw, 3x10mm	10
2 3 4 5 6 7 8	141-0-122T-30900 141-0-123T-05100 141-0-123T-05200 141-0-156T-24100 141-0-163T-60030 141-2-124T-24530 141-2-125T-18600 141-2-174T-05100	Front Panel Ass'y Side Panel Ass'y Side Panel Ass'y Knob Ass'y, Volume Rotary Knob Ass'y, Bass/Treble/Balance Top Lid Button Lid Stand	1 1 1 3 1 1 4	Y13 Y14 Y15 Y16 Y17 Y18		Flat Head Screw, 3x6mm Flat Head Screw, 3x12mm Flat Head Screw, 4x10mm Hexagon Nut, 10mm Washer, 3mm External Tooth Lock Washer, 3mm	2 2 6 1 2 5
10	141-2-441T-05000 141-2-162T-16030	Felt Cushion Lever Knob	4	ELECTR	ICAL PARTS		
12 13	141-0-163T-63630 141-2-141T-59200 141-2-246T-62500 141-2-447T-46600	Select Knob Ass'y, Selector Rating Plate Sheet Cushion	1 1 1 1	51 52 53 54 55 56	4-300T-05200 4-243T-79800 4-235T-65800 4-235T-72000 141-4-382T-10600 4-236T-13300	Power Trans. Power Cord Socket, AC Outlet Socket, AC Outlet Terminal, Ground Plug	1 1 1 2
CHASSIS			±				2
21	141-0-156T-23730	Knob Ass'y, Mode	1	PHONO A	AMP PCB ASS'Y		
23 24 25 26 27 28 29 30 31 32 34 35 36 37 38 40 41 42 43 44 45 46	41-2-453T-02101 41-2-445T-23200 41-2-246T-33400 41-2-447T-05900 41-2-447T-65400 41-2-472T-01001 23-2-472R-00401 41-2-464T-20671 41-2-322T-58300	Joint Ass'y, Tone Defeat Shaft Ass'y Knob Ass'y, Power Switch Back Lid Reinforcement, R Reinforcement, Center Bracket, Front Chassis Bracket, Front Chassis Bracket, Switch Joint, Selector Fixer Cushion, Back Lid Cushion, Back Lid Sheet, 10x10x1t, Fiber Washer, 3x10x0.3t, Fiber Rubber Cushion, Power Switch Sheet Cushion Cushion Lug Lug Fixer Shield Plate	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	61 Q554,654 Q551,651 Q502,602 Q501,601 Q503,603 S56,656 S57,657 Q504,604 S52,652 S53,653 Q555,655 S58,658 Q560,660 Q559,659 Q506,606 Q555,655 D551,651 S52,652 S53,653 S54,654	141-4-233T-21371 4-222T-80100 4-222T-80200 4-238T-06800 4-238T-06800 4-222T-62071 4-238T-10500 4-238T-10600 4-540T-00300	P.C. Board Ass'y, Phono AMP. Variable Resistor, Volume Variable Resistor, Volume Variable Resistor, Balance 250K-MN Rotary Slide Switch, Selector Push Switch, Mode Semi Fixed Variable Resistor 100 ohm DC Balance Switch, Dubbing/Monitor Switch, Dubbing/Monitor Remote Wire Transistor FET 2SK146 Transistor FET 2SK146 Transistor 2SA995 Transistor 2SA995 Transistor 2SA1083 Transistor 2SA1083 Transistor 2SC2545 Transistor 2SC2362 Transistor 2SC2362 Transistor 2SB560 Transistor 2SD438 Transistor 2SD438 Transistor 2SC320 Diode DS442	1111 112 2222226 6 4 22228

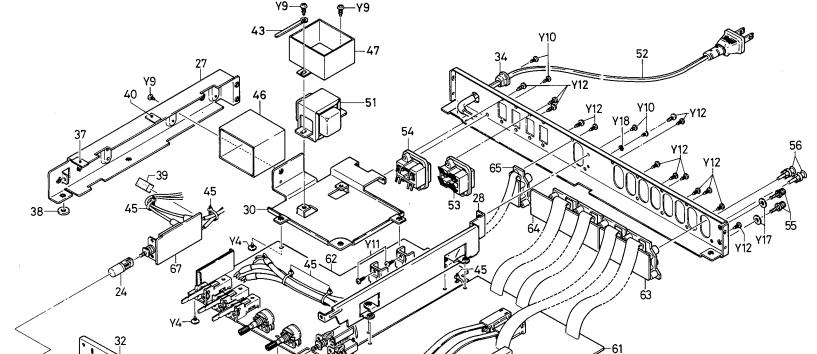
PARTS LIST_____

Key No.	Part No.	Description	Qʻty	Key No.	Part No.	Description	Qʻty
PHONO A	MP PCB ASS'Y	L		TONE AM	MP PCB ASS'Y	· · · · · ·	
PHONO A C916,917 C918,919 C552,652 C502,602 C502,602 C559,659 C551,651 501,601 C557,657 C556,656 C555,655 C558,658 C560,660 C553,653 C504,604 505,605 C554,654 C925,926 R516,616 577,677 R553,653 559,659 R562,662 R564,654 R578,678		Electrolytic 100μ F $35V$ Electrolytic 220μ F $16V$ Electrolytic 20μ F $16V$ Electrolytic 10μ F $10V$ Electrolytic 100μ F $10V$ Electrolytic 1.2μ F $50V$ Electrolytic 4.7μ F $25V$ Styrol $100p$ F $50V \pm 29$ PP Con 0.12μ F $100V \pm 29$ Mylar 0.047μ F $50V \pm 20$ Mylar 0.0047μ F $50V \pm 20$ Mylar 0.0047μ F $50V \pm 100$ Mylar 0.002μ F $50V \pm 100$ Ceramic $220p$ F $50V \pm 100$ Ceramic $100p$ F $50V \pm 100$ Ceramic $100p$ F $50V \pm 100$ Ceramic 0.01μ F $50V \pm 100$ Carbon $100K$ ohm $\pm 5\%$ ¼W Carbon $33K$ ohm $\pm 5\%$ ¼W Carbon $27K$ ohm $\pm 5\%$ ¼W Carbon $4.7K$ ohm $\pm 5\%$ ¼W	2 2 2 2 4 2 2 4 2 2 4 2 2 4 2 2 3% 2 3%	C703,803 G2 G2 G2 G2 G2 G2 G2 G2 G2 G2 G2 G2 G2		P.C. Board Ass'y, Tone Amp. Variable Resistor, 100K-B, Tone Push Switch, Tone Defeat Lever Switch, Treble Turnover Lever Switch, Bass Turnover Lever Switch, Bass Turnover Lever Switch, Bass Turnover Semifixed Variable Resistor 100 ohm DC Balance Relay Shield Plate Heat Sink Sheet Transistor FET 2SK150 Transistor FET 2SK150 Transistor FET 2SK150 Transistor FET 2SK117 Transistor 2SA1016 Transistor 2SA1016 Transistor 2SC2362 Transistor 2SC2362 Transistor 2SD438 Transistor 2SD438 Transistor 2SD438 Transistor 2SD438 Transistor 2SD330 Diode W02 Diode DS442 X Diode 1S2472	$ \begin{array}{c} 1\\ 2\\ 1\\ 1\\ 1\\ 2\\ 1\\ 2\\ 6\\ 4\\ 6\\ 4\\ 2\\ 2\\ 5\\ 1\\ 1\\ 1\\ 2\\ 2\\ 5\\ 1\\ 1\\ 1\\ 2\\ 2\\ 5\\ 1\\ 1\\ 1\\ 2\\ 2\\ 5\\ 1\\ 1\\ 1\\ 2\\ 2\\ 2\\ 5\\ 1\\ 1\\ 1\\ 2\\ 2\\ 5\\ 1\\ 1\\ 1\\ 2\\ 2\\ 5\\ 1\\ 1\\ 2\\ 2\\ 5\\ 1\\ 1\\ 1\\ 2\\ 2\\ 2\\ 5\\ 1\\ 1\\ 1\\ 2\\ 2\\ 5\\ 1\\ 1\\ 1\\ 2\\ 2\\ 5\\ 1\\ 1\\ 2\\ 2\\ 5\\ 1\\ 1\\ 1\\ 2\\ 2\\ 2\\ 5\\ 1\\ 1\\ 2\\ 2\\ 5\\ 1\\ 1\\ 2\\ 2\\ 2\\ 5\\ 1\\ 1\\ 1\\ 2\\ 2\\ 2\\ 5\\ 1\\ 1\\ 2\\ 2\\ 2\\ 5\\ 1\\ 1\\ 2\\ 2\\ 2\\ 5\\ 1\\ 1\\ 2\\ 2\\ 2\\ 5\\ 1\\ 1\\ 2\\ 2\\ 2\\ 5\\ 1\\ 1\\ 2\\ 2\\ 2\\ 5\\ 1\\ 1\\ 2\\ 2\\ 2\\ 5\\ 1\\ 1\\ 2\\ 2\\ 2\\ 5\\ 1\\ 1\\ 2\\ 2\\ 2\\ 5\\ 1\\ 1\\ 2\\ 2\\ 2\\ 5\\ 1\\ 1\\ 2\\ 2\\ 2\\ 5\\ 1\\ 1\\ 2\\ 2\\ 2\\ 5\\ 1\\ 2\\ 2\\ 2\\ 5\\ 1\\ 2\\ 2\\ 2\\ 5\\ 1\\ 2\\ 2\\ 2\\ 5\\ 1\\ 2\\ 2\\ 2\\ 5\\ 1\\ 2\\ 2\\ 2\\ 5\\ 1\\ 2\\ 2\\ 2\\ 5\\ 1\\ 2\\ 2\\ 2\\ 5\\ 1\\ 2\\ 2\\ 2\\ 5\\ 1\\ 2\\ 2\\ 2\\ 5\\ 1\\ 2\\ 2\\ 2\\ 5\\ 1\\ 2\\ 2\\ 2\\ 5\\ 1\\ 2\\ 2\\ 2\\ 5\\ 1\\ 2\\ 2\\ 2\\ 5\\ 1\\ 2\\ 2\\ 2\\ 5\\ 2\\ 2\\ 2\\ 5\\ 2\\ 2\\ 2\\ 2\\ 5\\ 2\\ 2\\ 2\\ 2\\ 5\\ 2\\ 2\\ 2\\ 5\\ 2\\ 2\\ 2\\ 2\\ 2\\ 5\\ 2\\ 2\\ 2\\ 2\\ 5\\ 2\\ 2\\ 2\\ 2\\ 2\\ 5\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\ 2\\$
		Carbon 4.7K ohm ±5% ¼W Carbon 1K ohm ±5% ¼W Carbon 820 ohm ±5% ¼W Carbon 820 ohm ±5% ¼W Carbon 560 ohm ±5% ¼W Carbon 470 ohm ±5% ¼W Carbon 100 ohm ±5% ¼W Carbon 56 ohm ±5% ¼W Carbon 56 ohm ±5% ¼W Carbon 22 ohm ±5% ¼W Carbon 3.3 ohm ±5% ¼W Carbon 680 ohm ±5% ¼W Carbon 680 ohm ±5% ¼W Metal 680 ohm ±5% ¼W Metal 18K ohm ±1% ¼W Metal 18K ohm ±1% ¼W Metal 12K ohm ±1% ¼W Metal 1K ohm ±1% ¼W Metal 1K ohm ±1% ¼W Metal 180 ohm ±1% ¼W Metal 120 ohm ±1% ¼W Metal 120 ohm ±1% ¼W Metal 10 ohm ±1% ¼W Metal 4.7 ohm ±1% ¼W Metal 4.7 ohm </td <td>$\begin{array}{cccccccccccccccccccccccccccccccccccc$</td> <td></td> <td>CAPACITORS</td> <td>Diode 1S2472 Zener Diode XZ060 Ceramic 0.01μF 500V +80-20% Ceramic 0.001μF 50V ±10% Ceramic 100μF 50V ±10% Ceramic 100pF 50V ±10% Ceramic 12pF 50V ±10% Ceramic 12pF 50V ±10% Ceramic 10pF 50V ±10% Ceramic 10pF 50V ±10% Electrolytic 2.2μF 50V Electrolytic 2.2μF 50V Electrolytic 2.2μF 50V Electrolytic 2.2μF 50V Electrolytic 100μF 16V Electrolytic 100μF 16V Electrolytic 100μF 10V Electrolytic 220μF 10V Electrolytic 220μF 10V Electrolytic 20μF 10V Electrolytic 20μF 10V Electrolytic 20μF 10V Electrolytic 20μF 10V Electrolytic 20μF 10V Electrolytic 20μF 10V Electrolytic 50V ±20% Mylar 0.047μF 50V ±20%</td> <td>2 2 4 2 2 2 2 2 2 6 2 1 2 4 1 1 2 4 2 4 4 4 4 4</td>	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		CAPACITORS	Diode 1S2472 Zener Diode XZ060 Ceramic 0.01μ F 500V +80-20% Ceramic 0.001μ F 50V ±10% Ceramic 100μ F 50V ±10% Ceramic 100pF 50V ±10% Ceramic 12pF 50V ±10% Ceramic 12pF 50V ±10% Ceramic 10pF 50V ±10% Ceramic 10pF 50V ±10% Electrolytic 2.2 μ F 50V Electrolytic 2.2 μ F 50V Electrolytic 2.2 μ F 50V Electrolytic 2.2 μ F 50V Electrolytic 100 μ F 16V Electrolytic 100 μ F 16V Electrolytic 100 μ F 10V Electrolytic 220 μ F 10V Electrolytic 220 μ F 10V Electrolytic 20 μ F 10V Electrolytic 50V ±20% Mylar 0.047 μ F 50V ±20%	2 2 4 2 2 2 2 2 2 6 2 1 2 4 1 1 2 4 2 4 4 4 4 4
R923,924		Carbon 10 ohm ±5% ¼W	2	C703,803 704,804 C753,853 C754,854 755,855 756,856 C757,857 759,859 C706,806		Mylar 0.039μF 50V ±5% Mylar 0.015μF 50V ±5% Mylar 0.015μF 50V ±5% Mylar 0.0015μF 50V ±5% Mylar 0.0015μF 50V ±5% Mylar 0.0015μF 50V ±5%	4 2 6 4 2

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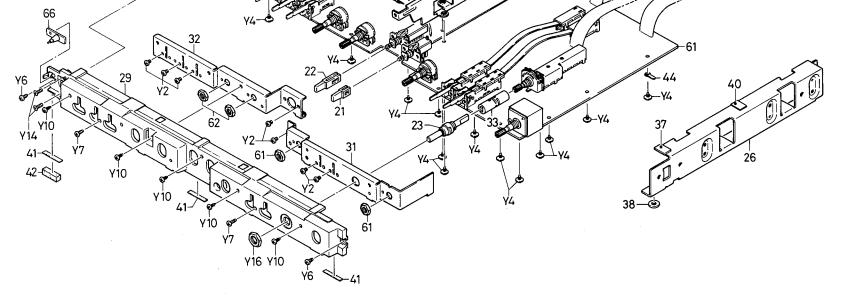
Key No.	Part No.	Description	9		Q'ty	TONE AMP	Part No.	Description	Q'ty
	CAPACITORS					R	ESISTORS		
C758,858 C701,801 702,802		Mylar 680pF Mylar 0.018µF	50V	±10% ±5%	4 N	R707,807 926		Carbon 100 ohm ±5% ¼W	ω
л	ESISTORS					 一 一 一 一 一	1 1		
		Metal 3.9K ohm Metal 1.5K ohm Carbon 22 ohm	±±5%	1W 1W	4	63 C920,921	141-4-233T-21571 4-235T-68671	P.C. Board Ass'y, Socket Socket 4P, Phono/Tuner/ AUX Ceramic Cap. 0.022µF 50V	N N -
718,818 R927 R758,858 759,859		Carbon 1.2K ohm Carbon 1M ohm	±5%	%W %W	6 -	C922		+80–20% Ceramic Cap 0.01,⊭F 50V +80–20%	-
753,853 754,854		Carbon 1M ohm	±5%	%W	ი	TAPE SO	SOCKET PCB ASS'Y		
755,855 R756,856 R701,801 R704,804		Carbon 1M ohm Carbon 470K ohm Carbon 220K ohm	±5% ±5%	%W %W	400	64 C923,924	141-4-233T-21671 4-235T-68671	P.C. Board Ass'y, Tape Socket Socket, 4P, Tape 1.2 Ceramic Cap. 0.01μF 50V	NN-
R919 R709,809 R721,821 R721,821		Carbon 150K ohm Carbon 120K ohm Carbon 100K ohm	± ± 5% 5%	%W %W	40-			tov-20%	
R710,810 R775,875		Carbon 82K ohm Carbon 47K ohm	±5%	%W %W	ωN		SUCKET DOB		
R917 R751,851 752,852		Carbon 39K ohm Carbon 27K ohm	±5%	%W %W	6 -	810	141-4-233T-2177	C. Boar	_
R908,910 R765,865		Carbon 27K ohm Carbon 12K ohm	±5% ±5%	%W %W	ωN		+-2301-00071	טטטאפו צר, חפט טענ	-
906 R922		Carbon 15K ohm	±5%	14W	• •	LED PCB	ASS'Y		
R909 R925 R722,822 723,823 723,823		Carbon 1.2K onm Carbon 120K ohm Carbon 3.3M ohm	±5%	%w %W	റ →	66	141-4-233T-21871 141-2-352T-11100	P.C. Board Ass'y, LED Spacer LED SLC-25UR	
725,825		Carbon 3.3M ohm	±5%	14W	8				
723,823 724,824						POWER S		- ~	
R760,860 761,861 R711 811		Carbon 8.2K ohm Carbon 6.8K ohm	±5%	%W	4 ω	67 S9-1	141-4-233T-21971 4-231T-76500 4-238T-07811	P.C. Board Ass'y, Power Switch Push Switch) or Push Switch) or	
915 R757,857		Carbon 5.6K ohm	±5%	%W	<u>س</u>		4-223T-10000 4-237T-00171	Capacitor 0.01μF Terminal Board	- 4
909 R713,813 764.864		Carbon 4.7K ohm	±5%	%W	4				
R907 R918 R916 R705,805 706,806		Carbon 3.9K ohm Carbon 2.7K ohm Carbon 10K ohm Carbon 1.5K ohm	±5% ±5%	22 22 22 22 22 22 22 22 22 22 22 22 22	0				<u> </u>
767,867 R768,868 771 871		Carbon 1K ohm	±5%	%W	4				
771,071 R920 R766,866		Carbon 1K ohm Carbon 820 ohm	±5%	%W %W	~ ~				
H /15,815 R712,812 R714,814 R714,814		Carbon 820 ohm Carbon 560 ohm Carbon 470 ohm Carbon 220 ohm	5%%% 5%%% 5%%%	34W 74W	<u> </u>				
903,904 R769,770		Carbon 82 ohm	±5%	%W	ω				
R869 R708,808 R702,802		Carbon 82 ohm Carbon 33 ohm Carbon 10 ohm	±±5% 5%	%W %W	-04				
703,803 7719,819 7720,820		Carbon 5.6K ohm Carbon 1K ohm	±2% ±2%	14W	N N				



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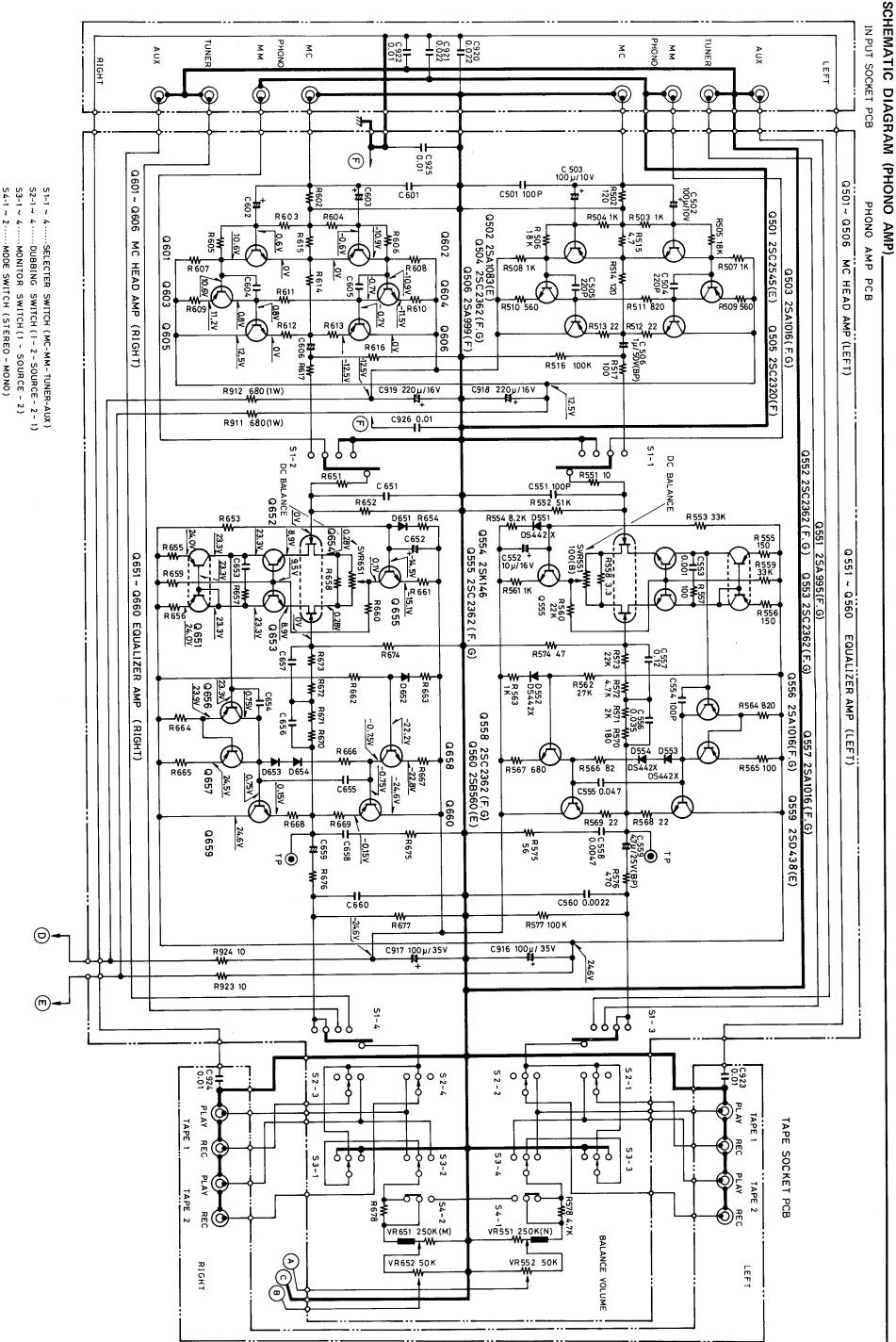
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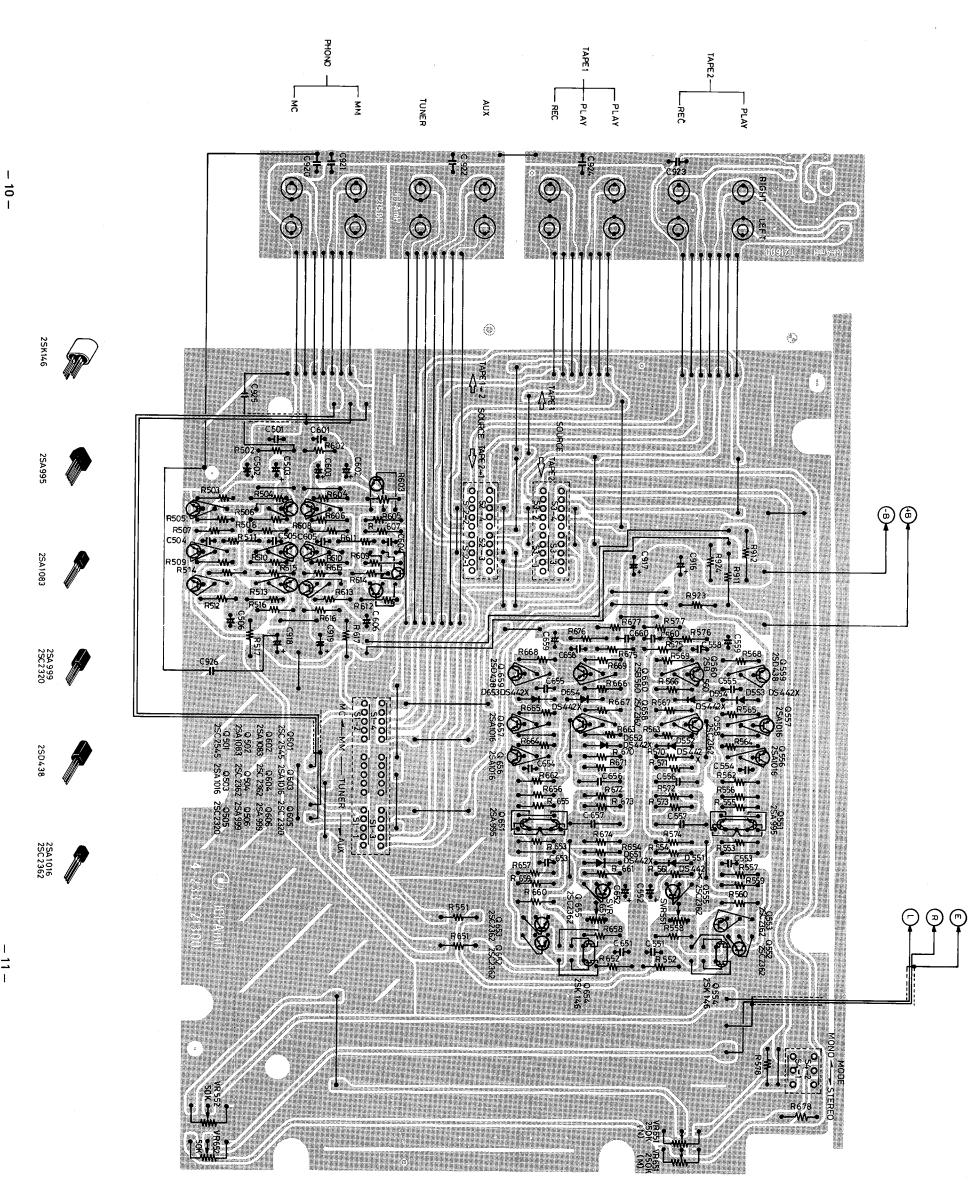
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4.....BLECTER SWITCH (MC-MM-TUNER-AUX) 4.....DUBBING SWITCH (1-2-SOURCE-2-1) 4.....MONITOR SWITCH (1 - SOURCE - 2) 2.....MODE SWITCH (STEREO - MONO)

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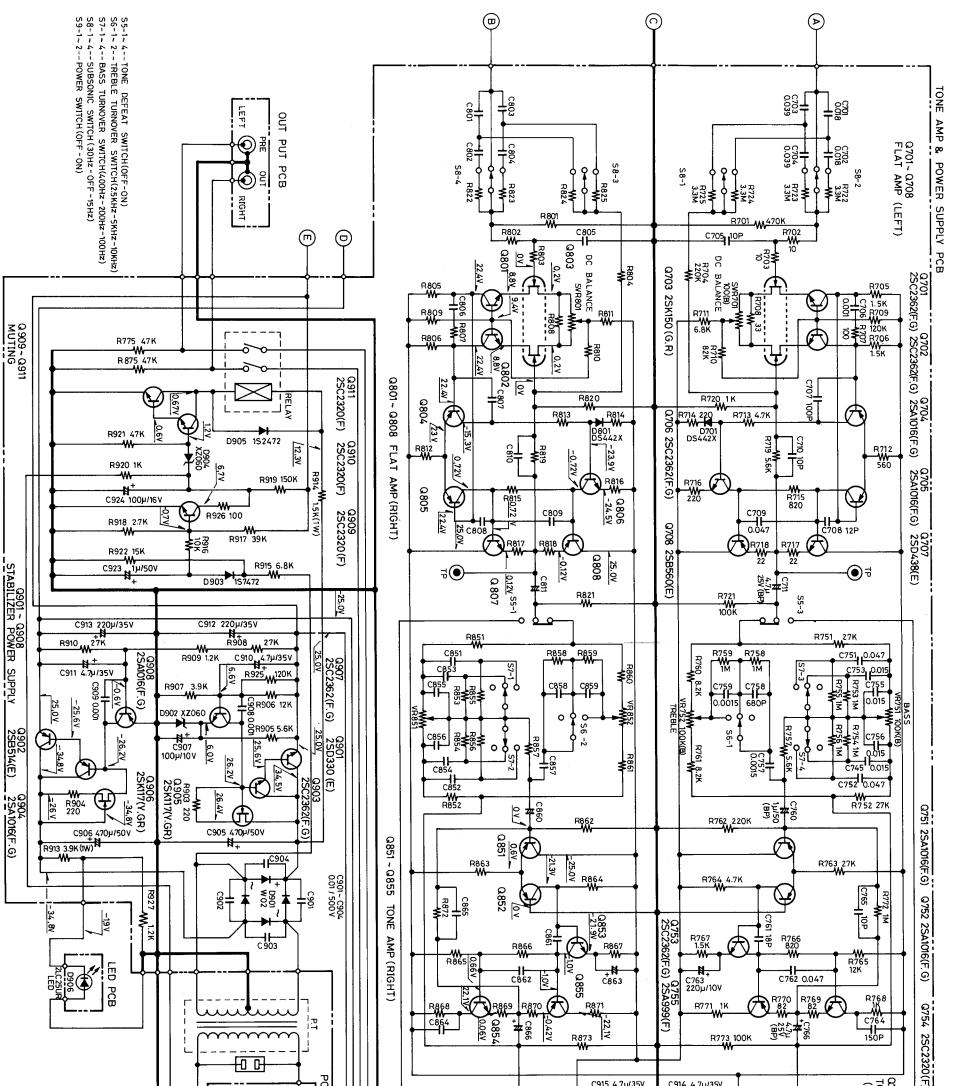


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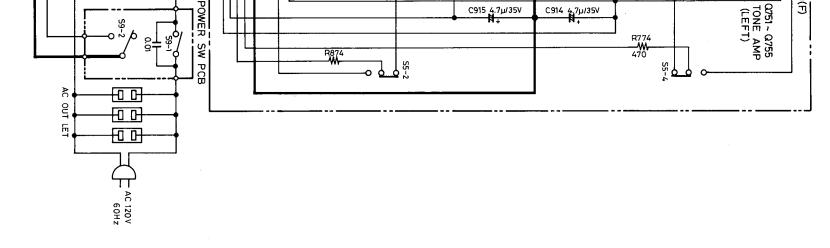
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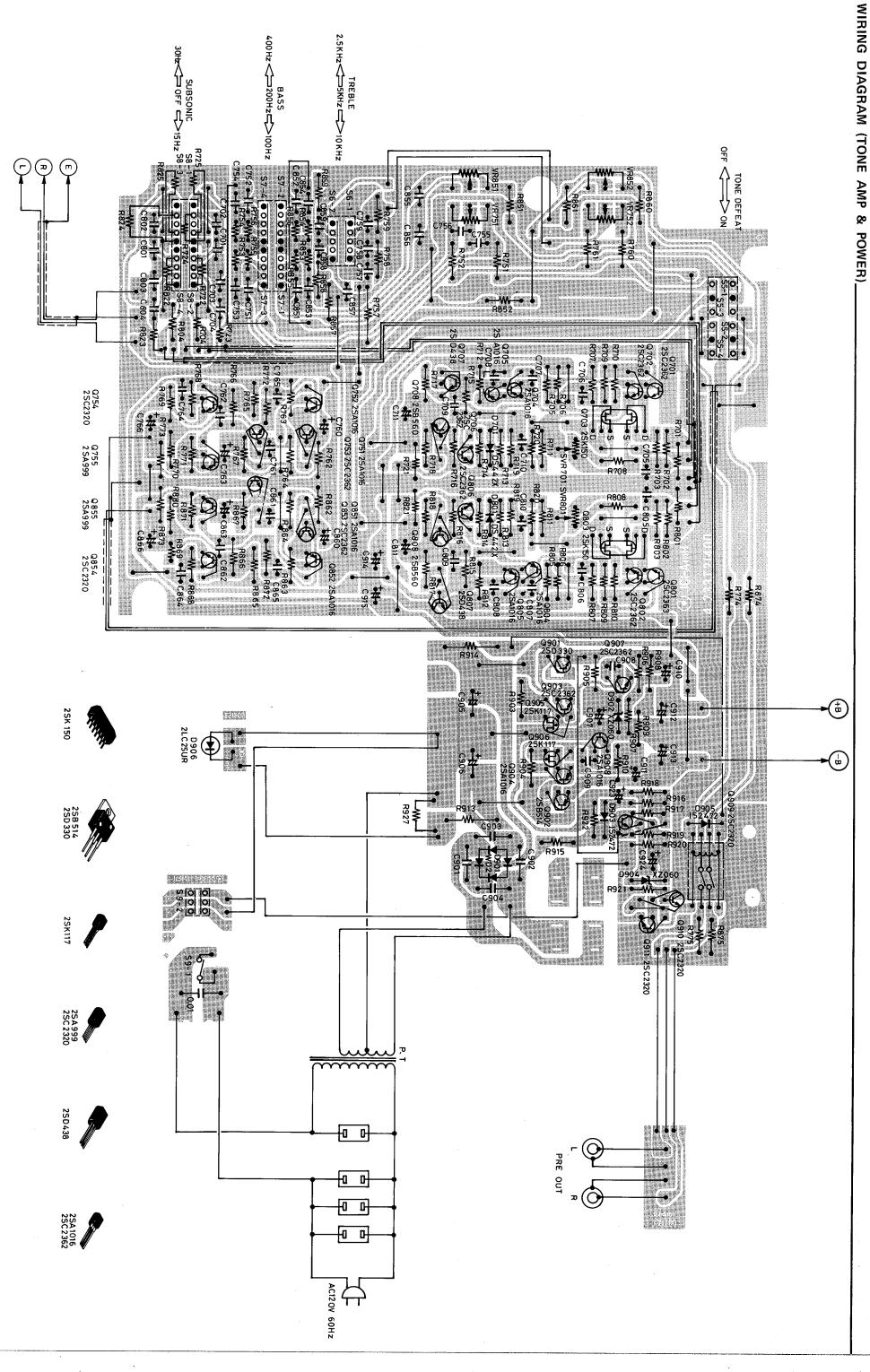
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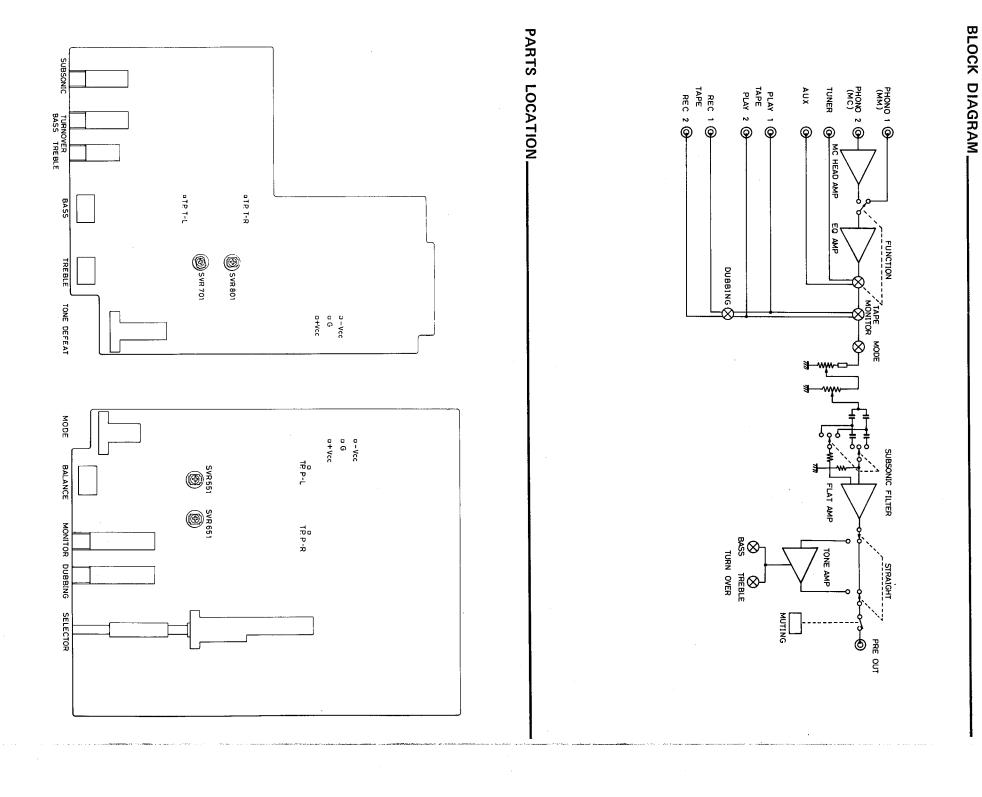
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SANYO ELECTRIC INC. 1200, West Artesia Blvd., P.O. Box 5177 Compton California 90220

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