



ESSEX BASS V1042

SERVICE INFORMATION

Thomas Organ Company • National Service Department • Sepulveda, California

REPLACEMENT PARTS LIST

Location	Part Number	Description
CAPACITORS		
C1-C6	20-8363-1	.22 mfd 200V 10%
C2	18-5114-3	25 mfd 25V (Electro)
C3	20-8367-1	.47 mfd 200V 10%
C4	18-5101-3	50 mfd 25V (Electro)
C5	20-8361-1	.15 mfd 200V 10%
C7	20-8324-1	.039 mfd 200V 10%
C8	20-8351-1	.047 mfd 200V 10%
C9	18-5124-3	10 mfd 15V (Electro)
C10-C28	18-5111-3	500 mfd 25V (Electro)
C11	20-5451-1	.047 mfd 200V 10%
C12-C13-C18	15-22111	220 pf 500V 10%
C14	18-5104-3	250 mfd 12V (Electro)
C15-C20	18-5105-3	500 mfd 12V (Electro)
C16	15-50216	.005 mfd 500V 20%
C17-C19	18-5097-3	100 mfd 12V (Electro)
C21	18-5109-3	4 mfd 15V (Electro) NP
C22	18-5132-3	100 mfd 35V (Electro)
C23	18-5139-3	1000 mfd 35V (Electro)
C24-C25	20-5317-1	.047 mfd 600V 20%
C26-C27	18-5095-3	2000 mfd 25V (Electro)
RESISTORS - All 1/2W 10% Unless Indicated Otherwise		
R1-R2	60-68301	68 K Ohm
R3	24-5180-3	100 K Ohm Volume Control
R4	60-47501	4.7 Meg Ohm
R5-R15-R19	60-33201	3.3 K Ohm
R6	60-47101	470 Ohm
R7-R22-R30	60-68201	6.8 K Ohm
R8-R14	60-10301	10 K Ohm
R9	24-5181-3	5 K Ohm Tone-x Control

Manufactured By

THOMAS ORGAN COMPANY
SEPULVEDA, CALIFORNIA, under license from

JENNINGS MUSICAL INDUSTRIES LTD.
DARTFORD, KENT, ENGLAND

RESISTORS (continued)

R10-R13-R17-R48	60-47301	47 K Ohm
R11	60-39301	39 K Ohm
R12	60-33501	3.3 Meg Ohm
R16-R18-R29-R32-R47	60-10101	100 Ohm
R20	60-39101	390 Ohm
R21	60-22201	2.2 K Ohm
R23	60-22401	220 K Ohm
R24-R43	60-27301	27 K Ohm
R25-R44	60-68101	680 Ohm
R26	60-27111	270 Ohm 1W 10%
R27	60-27201	2.7 K Ohm
R28	60-56201	5.6 K Ohm
R31	60-12301	12 K Ohm
R33	60-33111	330 Ohm 1W 10%
R34-R36	60-10901	1 Ohm
R35-R37	61-5064-0	200 Ohm 5W (WW) 5%
R38-R39	62-33811-2	.33 Ohm 1W (WW) 10%
R40	62-15901-2	1.5 Ohm 1/2W (WW) 10%
R41-R46	60-15201	1.5 K Ohm
R42	60-27101	270 Ohm
R45	60-47301	4.7 K Ohm
R49	60-18101	180 Ohm

NOTE: R38-R39 was .27 Ohm 1W WW 10%

MISCELLANEOUS

P4	21-5001-1	12 Pin Male Housing
S5	21-5002-1	9 Pin Female Housing
S4	21-5003-1	12 Pin Female Housing
P5	21-5004-1	9 Pin Male Housing
	22-5036-2	Decorative Nut for Phone Jack
	23-5005-3	AC Line Cord
	25-5160-2	Amplifier PC Board Only
	40-5116-3	Control Panel
F1	43-5011-0	3/4A 3AG Slo-Blow Fuse
	44-5029-1	Heat Sink
J3	45-51-3	Phono Connector (Single)
	45-110-5	P & S Contact
P3	45-5000-0	Phono Plug
S6	45-5000-3	Accessory AC Outlet 117V
J1-J2	45-5006-1	Input Jack
	45-5031-3	Transistor Socket
	52-5083-0	Chrome Knob
SW3	69-5005-0	Line Reverse Switch
SW2	69-5189-0	On/Off Power Switch
L1	80-5041-7	4 h Inductor
T1	80-5043-1	Driver Transformer
T2	80-5053-6	Power Transformer
	84-18061	Amplifier PC Assy. (Complete)
SD1-SD2-SD3-SD4-SD5-SD6	86-5024-3	Silicon Rectifier
Q1-Q2-Q3-Q4	86-5044-2	Silicon Transistor (Grn/Yellow)
Q5	86-5049-2	Transistor (Red)
Q6	86-5082-2	Driver Transistor
Q7-Q8	86-5088-2	Output Transistor
PL1	89-5059	Pilot Light

CABINET COMPONENTS

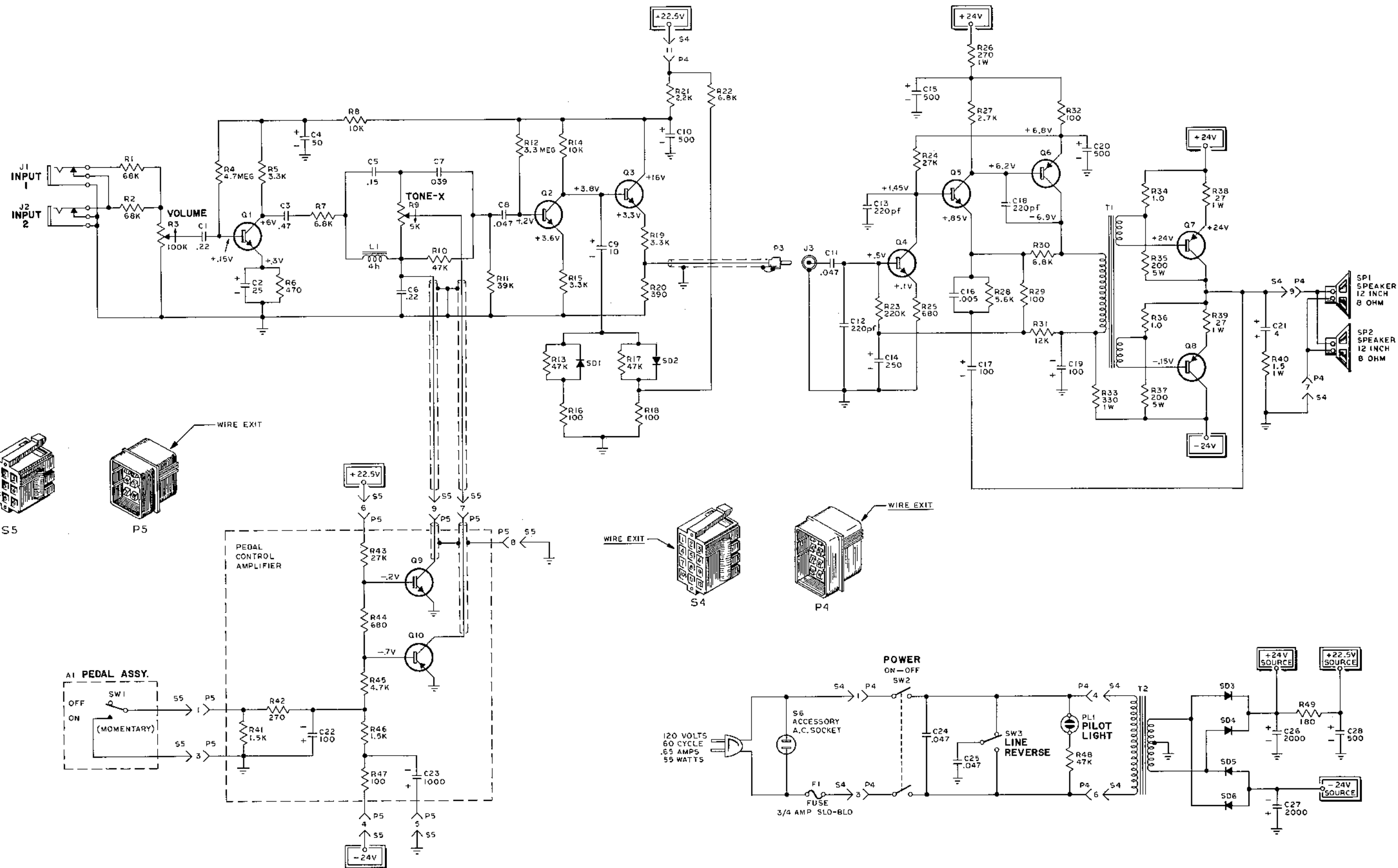
SP1-SP2	21-5216-0	Cabinet Cover (Plastic)
	21-5244-0	Cabinet Back
	33-5066-6	12" Speaker 8 Ohm
	37-5027-3	Corner Protector
	49-5184	Corner Protector Mtg. Nail
	49-5220	Handle
	57-608823	Corner Protector Mtg. Screw
	58-5123	Back Mtg. Washer
	62-5027-0	Plastic Foot (Set of 2)
	73-5061	"Vox" Logo (Plastic)
	83-8310	White Bead (Order per foot)
	83-8311	Gold Bead (Order per foot)
	84-16576	Cabinet Assy.
	97-5257	Back Mtg. Screw
98-5005-1	Leatherette - 45" Width (Order per yard)	
98-5357-0	Grille Cloth - 45" Width (Order per yard)	

TONE-X PEDAL ASSEMBLY

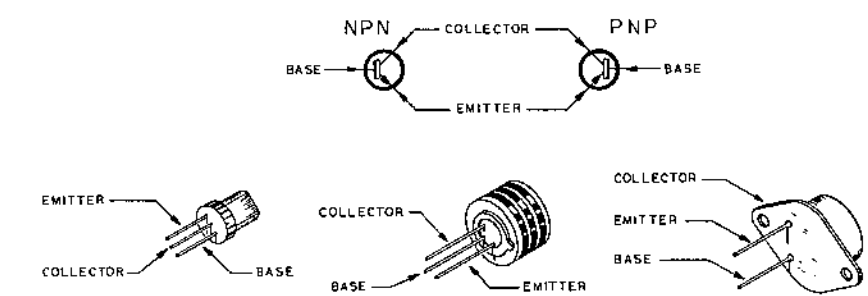
SW1	21-5034-1	Metal Housing
	22-5033-2	Switch Mtg. Nut
	62-5023-0	Tread W/Insert
	69-5212-0	Tone-x Switch (Momentary)
	84-18524	Pedal Assy. Complete

STAND ASSEMBLY (84-16903)

49-5215	Wheel
49-5217	Hub Cap
49-5218	Glide (Set of 2)



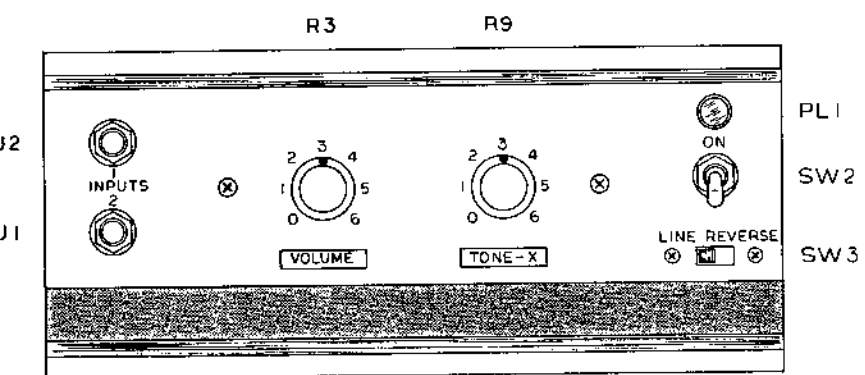
TRANSISTOR INFORMATION



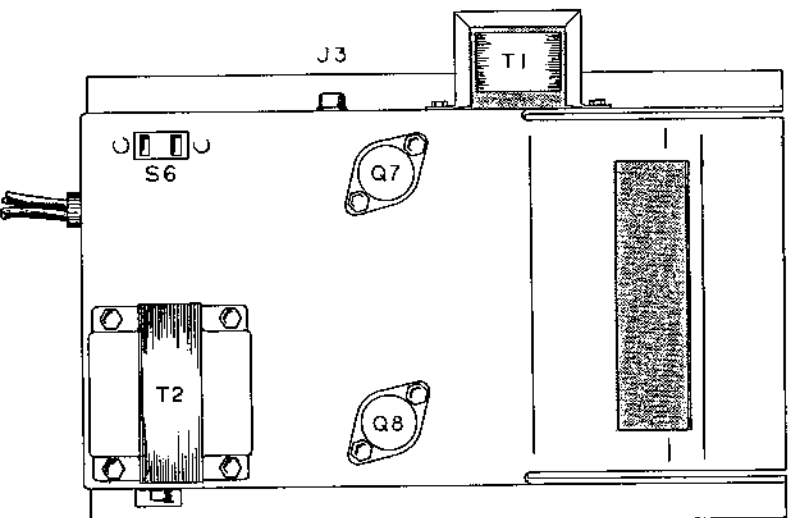
GENERAL INFORMATION

- This symbol denotes the common connecting points for the various power supply connections throughout the unit. Note that several of these points are marked "source" which denotes the origin of the reference potential.
- These symbols both represent B- (amplifier chassis ground).
- Arrows indicate the direction of audio signal flow through the circuits.
- This symbol indicates plug and socket terminal connections. Where it is not practical to draw the assembly as a complete unit.

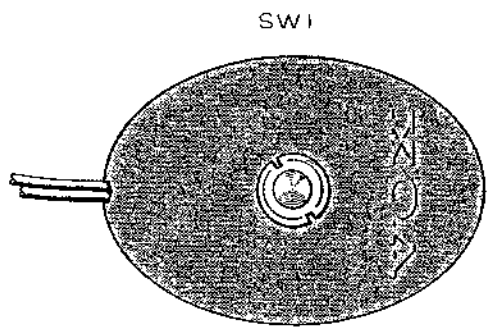
1. All capacitors in MFD unless otherwise indicated.
2. All resistors 1/2W 10% unless otherwise indicated.
3. All voltage readings made with 20,000 ohm per volt meter (voltages $\pm 10\%$) with no signal applied.
4. Arrow drawn on pot. arm indicates clockwise rotation.



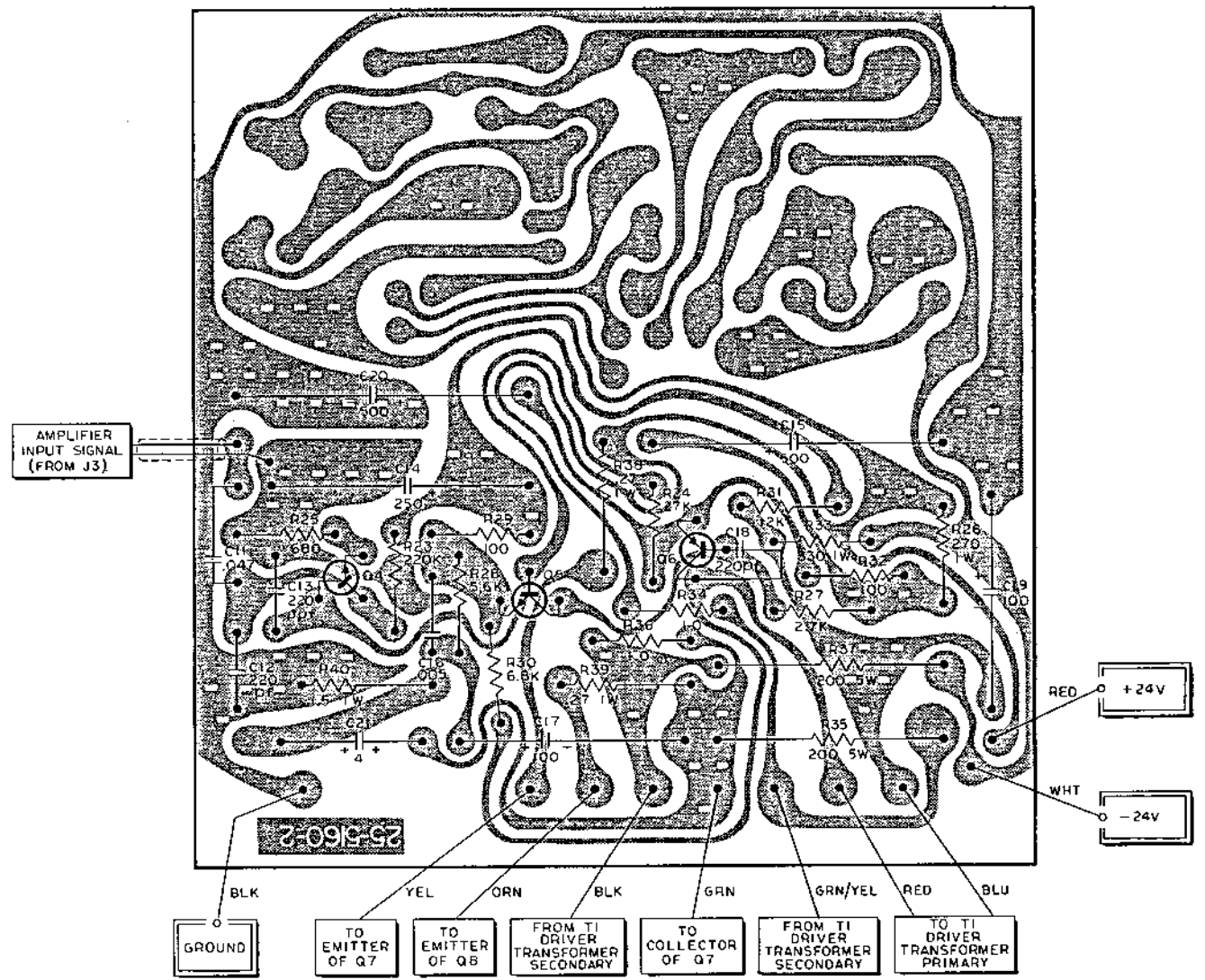
ESCUTCHEON



AMPLIFIER CHASSIS



TONE-X PEDAL ASSEMBLY
84-18524



AMPLIFIER P.C. BOARD & COMPONENTS
84-18061
(SHOWN COPPER SIDE UP)