

SERVICE MANUAL



marantz

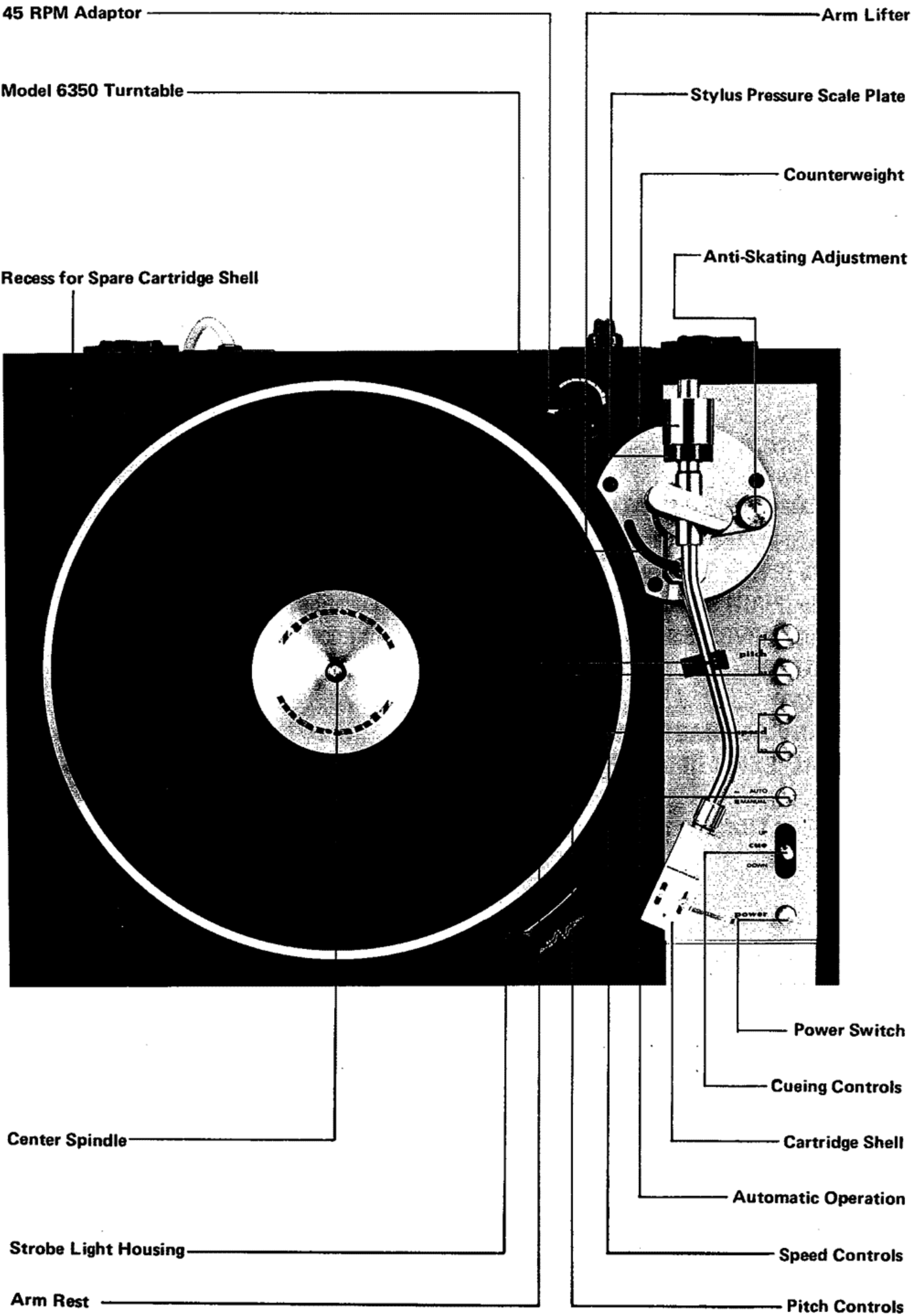
model 6350

Turntable

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MARANTZ MODEL 6350 TURNTABLE



1. MECHANICAL OPERATION

1.1 AUTO MODE

1. CUE-DOWN

When the cue-lever 009B is set to "DOWN", the seesaw lever 124B, which moves the arm lifter up or down, is lowered to be locked with the locking fixture 141G. As the seesaw lever 124B is locked, the tone arm lifter is lowered, thereby lowering the tone arm onto the record.

2. CUE-UP

When the cue-lever 009B is set to "UP", the locking fixture 141G is actuated to release the seesaw lever 124B from locking. At the same time when tone arm lifter is raised up with the spring 126G, the power switch lever 095G turns off the power switch S001.

3. AUTOMATIC SHUT-OFF

The lead switches SV02 and SV03 are actuated with the magnet F010 attached to the tip of the lever 001F mounted on the axis of rotation of the tone arm. At the end of the record the magnet approaches the position where it actuates the lead switch, thereby turning on the lead switch. In this case, if the AUTO/MANUAL button is in

the "AUTO" position, the solenoid L002 is actuated to release the seesaw lever 124B from locking, and at the same time the power switch lever 095G turns off the power switch.

1.2 MANUAL MODE

1. CUE-DOWN

When the cue-lever 009B is set to "DOWN", the seesaw lever 124B keeping the arm lifter up is lowered to be locked with the locking fixture, thereby lowering the tone arm onto the record. In this case, even at the end of the record the switch S003 is in the "OFF" position because the operation is in a condition of "MANUAL MODE"; accordingly, as the solenoid L002 is not actuated, the tone arm is not raised.

2. CUE-UP

When the cue-lever 009B is set to "UP", the locking fixture 141G is actuated to release the seesaw lever 124B from locking, thereby raising the tone arm lifter. In this case, the power switch S001 will not be turned off because the power switch lever 095G is not actuated.

2. ADJUSTMENTS

2.1 AUTOMATIC SHUT-OFF CHECK AND ADJUSTMENT

1. AUTOMATIC SHUT-OFF CHECK

Make sure that the solenoid L002 is actuated not only by operation of the lead switch SV03 when the speed button is in the position of 33 RPM (for LP record) but also by operation of the lead switch SV02 when the speed button is in the position of 45 RPM (for EP record).

2. AUTOMATIC SHUT-OFF ADJUSTMENT

Loosen the lead switch assembly lock screw 018F before making the automatic shut-off adjustment.

Adjust the screw 011F so that the AUTO mechanism may be operated at 45 RPM (for EP record). Change the speed from 45 RPM to 33 RPM after adjustment of 45 RPM (for EP record) has been completed. If the AUTO mechanism is incorrectly operated at 33 RPM (for LP record), adjust the screw 017F. When the speed set to "33" is in normal operation at 33 RPM (for LP record), and when the speed set to "45" is in normal operation at 45 RPM (for EP record), tighten the screw (018F x 2) securely.

2.2 TONE ARM ADJUSTMENTS

After a cartridge is mounted, several adjustments must be made to optimize turntable performance. First, the stylus overhang must be adjusted; then the tone arm balance, tracking force, and anti-skating force.

1. STYLUS OVERHANG

The Model 6350 Turntable is designed to operate with the least distortion when the tip of the stylus is at a particular

distance from the tone arm pivot. For this reason, the cartridge shell is slotted, allowing the cartridge with its mounting screws to be slid toward or away from the pivot point. This, in effect, changes the radius of the arc described by the stylus. Supplied in the accessory kit is a 45 RPM spindle adaptor. The adaptor has been specially marked with an arrow and a cross mark to aid you in setting the proper stylus overhang. Proceed as follows:

- A. With the turntable stopped, place the 45 RPM adaptor on the center spindle with the arrow pointing to the rear of the turntable.
- B. Remove the arm from its arm rest and remove the protective cover (if any) from the stylus.
- C. Place the stylus tip over the 45 RPM adaptor and adjust the cartridge so that the stylus tip will be perfectly centered in the cross mark.
- D. Make sure that the cartridge is installed straight. The sides of the cartridge must remain parallel to the sides of the shell.
- E. Snug up the mounting screws.

2. VERTICAL TONE ARM BALANCE

The adjustable counterweight at the end of the tone arm establishes tone arm balance and stylus tracking force.

First, to establish a point of reference, the entire arm assembly (with cartridge installed) must be balanced. If the cartridge has a removable stylus protector, remove it, (as you would to play a record). Release the tone arm from the arm rest.



Figure 1. Stylus Overhang Adjustment



Figure 2. Tone Arm Balance Adjustment

To adjust the tone arm balance, set the anti-skate dial at minimum (see Figure 3 and disable the action of the anti-skate mechanism).

To balance the arm, adjust the position of the counterweight by rotating it. A numbered stylus pressure scale plate is located immediately in front of the counterweight. Rotating the scale plate alone does not change the counterweight's position. To change the balance, grasp and turn the counterweight itself.

Adjust the weight so that the arm is level (parallel to the turntable surface) with the cartridge suspended in mid air.

Then, without moving the counterweight, set the stylus pressure scale plate to indicate zero. This establishes a reference point for setting the tracking force.

Since no two types of cartridges weigh the same, the balance and tracking force must be adjusted for each cartridge being used.

3. TRACKING FORCE

For the recommended tracking force, refer to the instructions that accompany the cartridge.

Tracking force, the downward pressure of the stylus against the record, is produced by simply setting the arm off balance in the appropriate direction. That is, the counterweight is screwed inward (toward the arm pivot) until the desired downward pressure is achieved.

The stylus pressure scale plate is in frictional contact with the counterweight, so that they rotate together when the counterweight is turned. The numbers on the scale plate

correspond to the tracking force measured in grams. So, if the desired tracking force is two grams, turn the counterweight inward until the stylus pressure scale plate registers 2.

4. ANTI-SKATING ADJUSTMENT

The anti-skating mechanism is provided to counteract the natural tendency for the arm to "skate" toward the center of the record as it is being played. The more tracking force used, the more anti-skating force required.

The anti-skating force is adjustable with notched graduations that correspond with the tracking force markings on the stylus pressure scale plate.

The weight is placed in the notch nearest the end of the lever for a tracking force of 2.5 grams. The next three notches inward correspond to 2.0, 1.5, and 1.0 grams, respectively. (See Figure 3.)

Place the arm in the arm rest.

5. STYLUS TRACKING ANGLE

After setting up the arm for playing, it is important to check the tracking angle, because improper tracking angle will cause distortion and premature record wear. Most phono cartridges are designed so that when the cartridge is mounted on a surface parallel with the record surface, the stylus will track at the proper angle (see Figure 4). The surface inside of the cartridge shell (against which the cartridge is mounted) is parallel to the record surface when the tone arm is level. Visually check the angle of the tone arm in actual playing position. If it is not level and parallel with the record surface, then it is necessary to change the height of the tone arm's pivot.

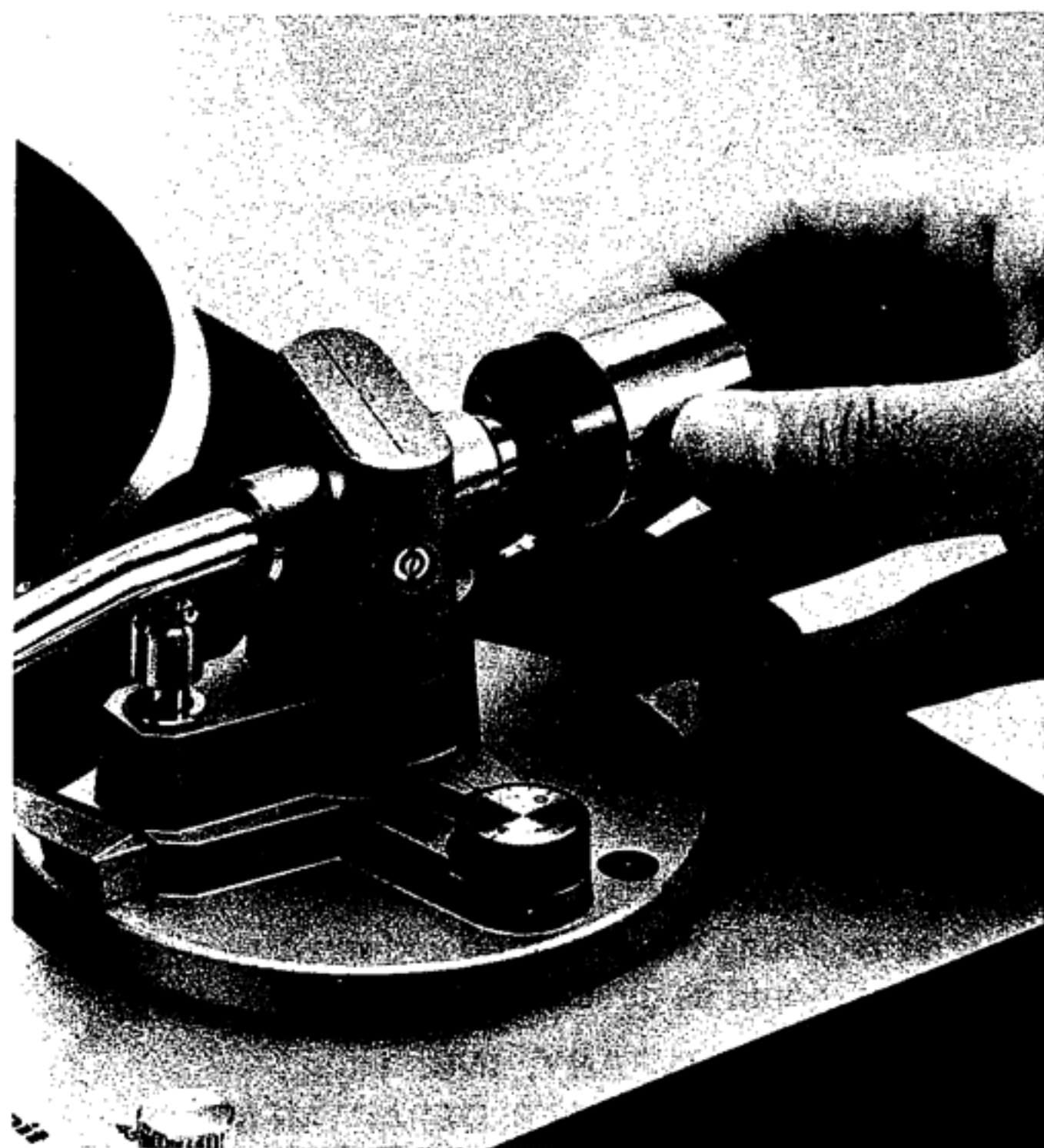


Figure 3. Anti-Skating Mechanism

NOTE

Some cartridges are built so that their bodies are at an angle with respect to their own mounting tabs. No attempt should be made to change this angle. Simply make sure that the cartridge mounting tab surfaces are parallel to the tone arm shell mounting surface before proceeding with the arm height adjustment.

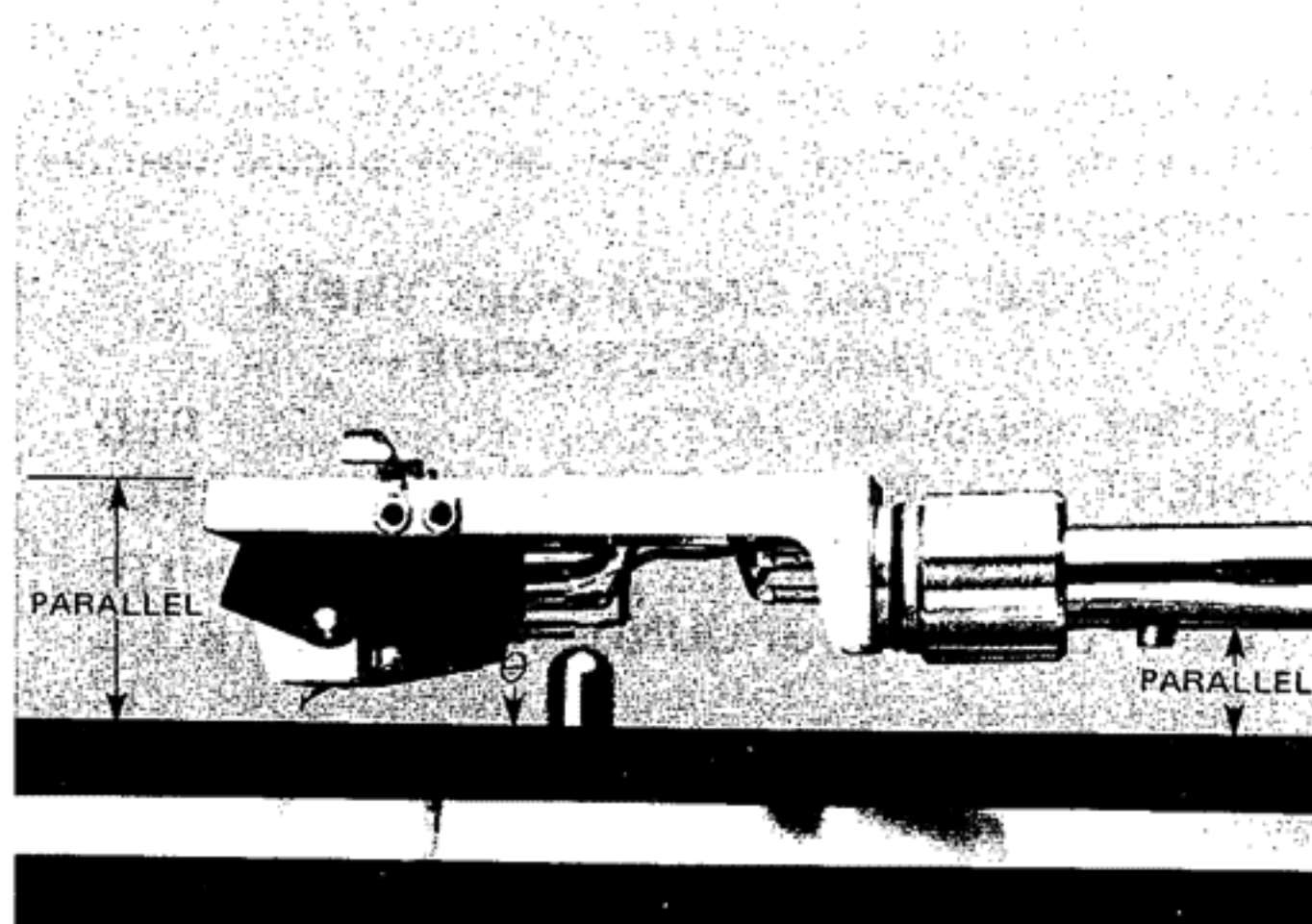


Figure 4. Tracking Angle

3. SERVICE NOTES

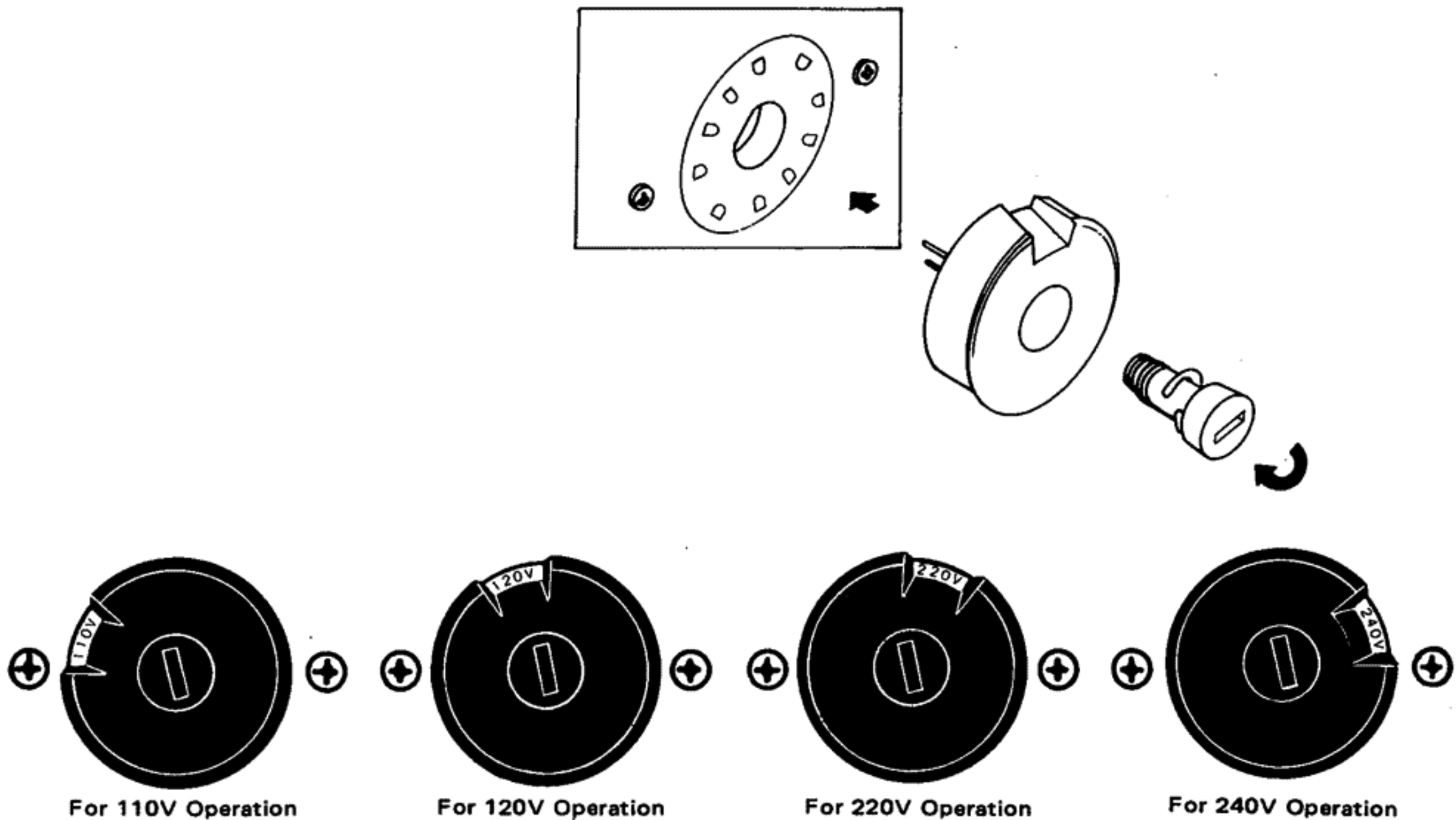
3.1 VOLTAGE CONVERSION / EUROPEAN MODEL

The European version of the Model 6350 is equipped with a universal power transformer that may be adjusted to operate at 110V, 120V, 220V, or 240V AC at 50 to 60 Hz. To convert the unit to a different power source voltage, reposition conversion plug as shown in the illustration below.

CAUTION

DISCONNECT POWER SUPPLY CORD FROM AC OUTLET BEFORE CONVERTING VOLTAGE.

Figure 5. Voltage Conversion Chart



3.2 CARTRIDGE WIRE COLOR CODE

Before a cartridge is screwed into the shell, the small clips at the ends of the wires in the tone arm cartridge shell should be pushed onto their corresponding cartridge connection pins.

TONE ARM CARTRIDGES SHELL — WIRE COLOR CODE —

RIGHT CHANNEL HOT		RED
RIGHT CHANNEL GROUND		GREEN
LEFT CHANNEL HOT		WHITE
LEFT CHANNEL GROUND		BLUE

The cartridge or its accompanying technical sheet will identify the cartridge connection pins. It may be necessary to slightly compress the terminal clips with your fingers to make them fit snugly on the prongs of some cartridges.

3.3 REPLACEMENT PARTS/TECHNICAL ASSISTANCE

1. REPLACEMENT PARTS

Turntable replacement parts may be ordered by writing to:

MARANTZ COMPANY, INC.
PARTS DEPARTMENT
P.O. BOX 577
CHATSWORTH, CALIFORNIA 91311 USA

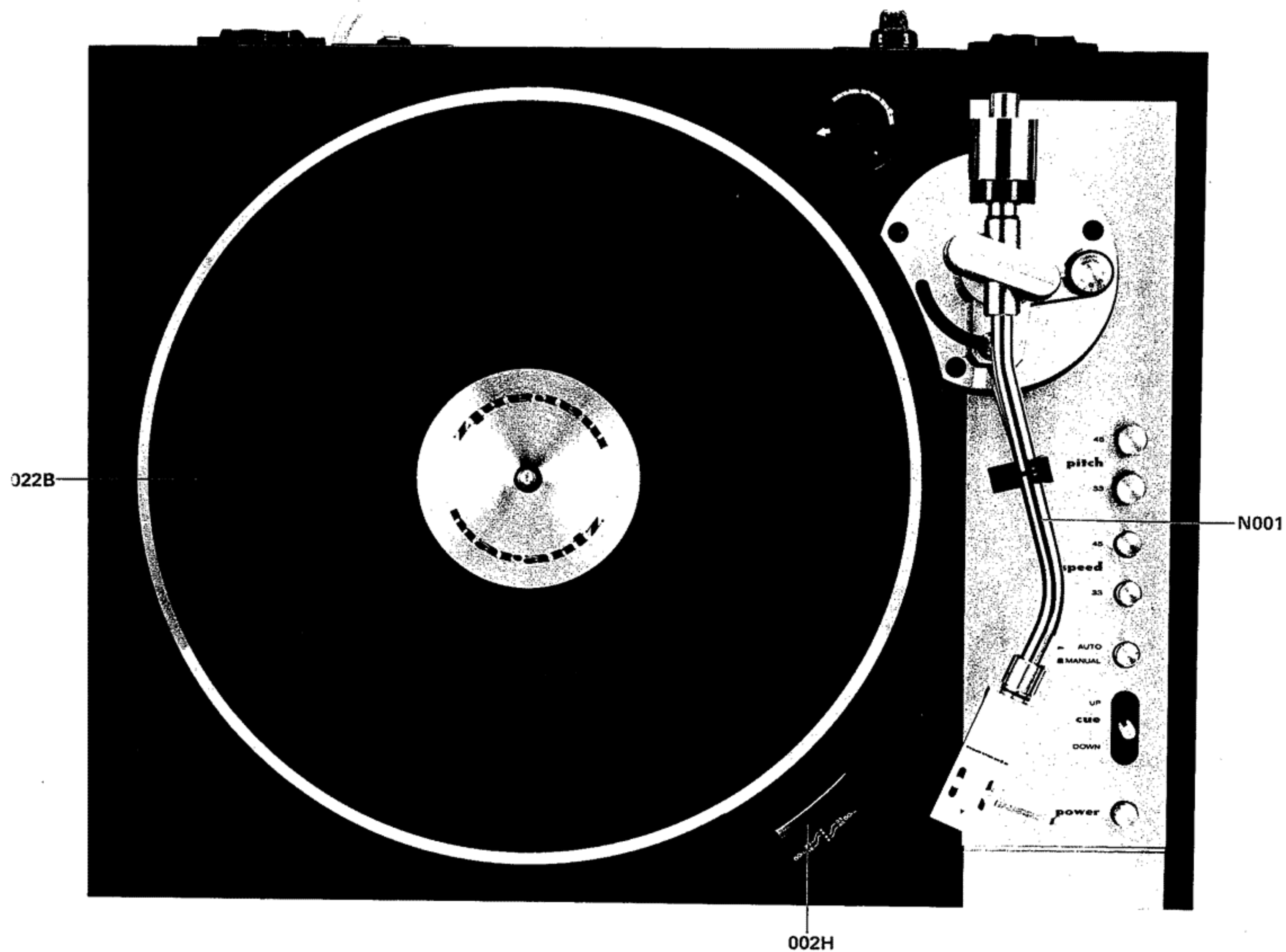
2. TECHNICAL ASSISTANCE

Inquiries regarding the operation and servicing of Marantz equipment should be directed to:

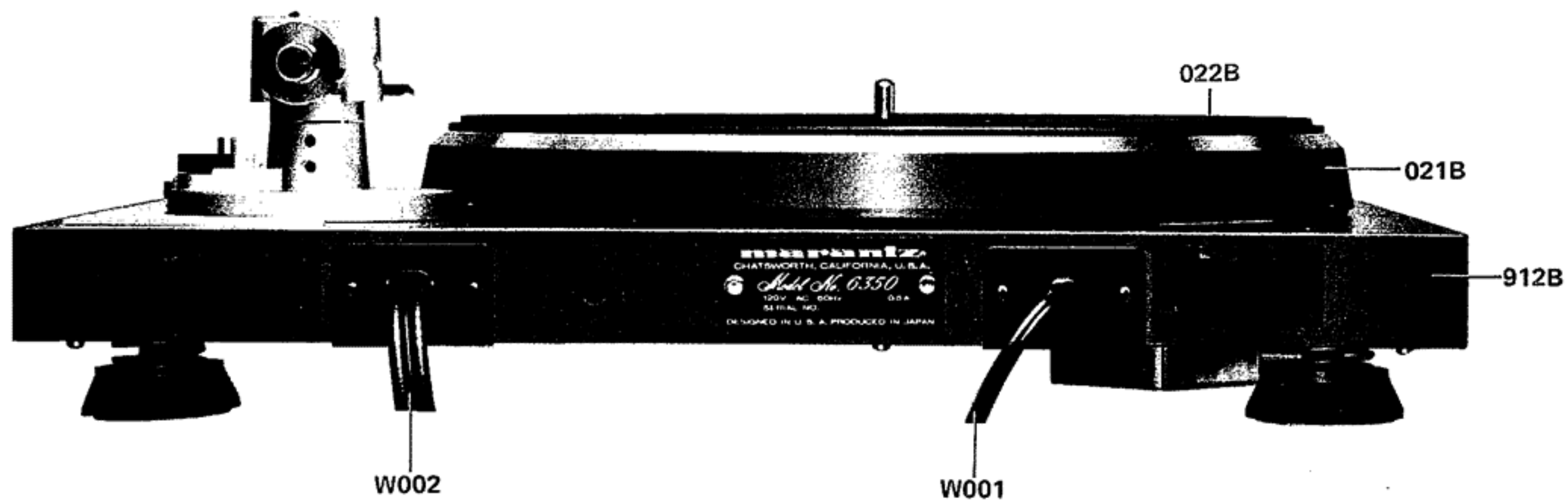
MARANTZ COMPANY, INC.
TECHNICAL SERVICES DEPARTMENT
P.O. BOX 577
CHATSWORTH, CALIFORNIA 91311 USA

4. MAJOR COMPONENT LOCATIONS

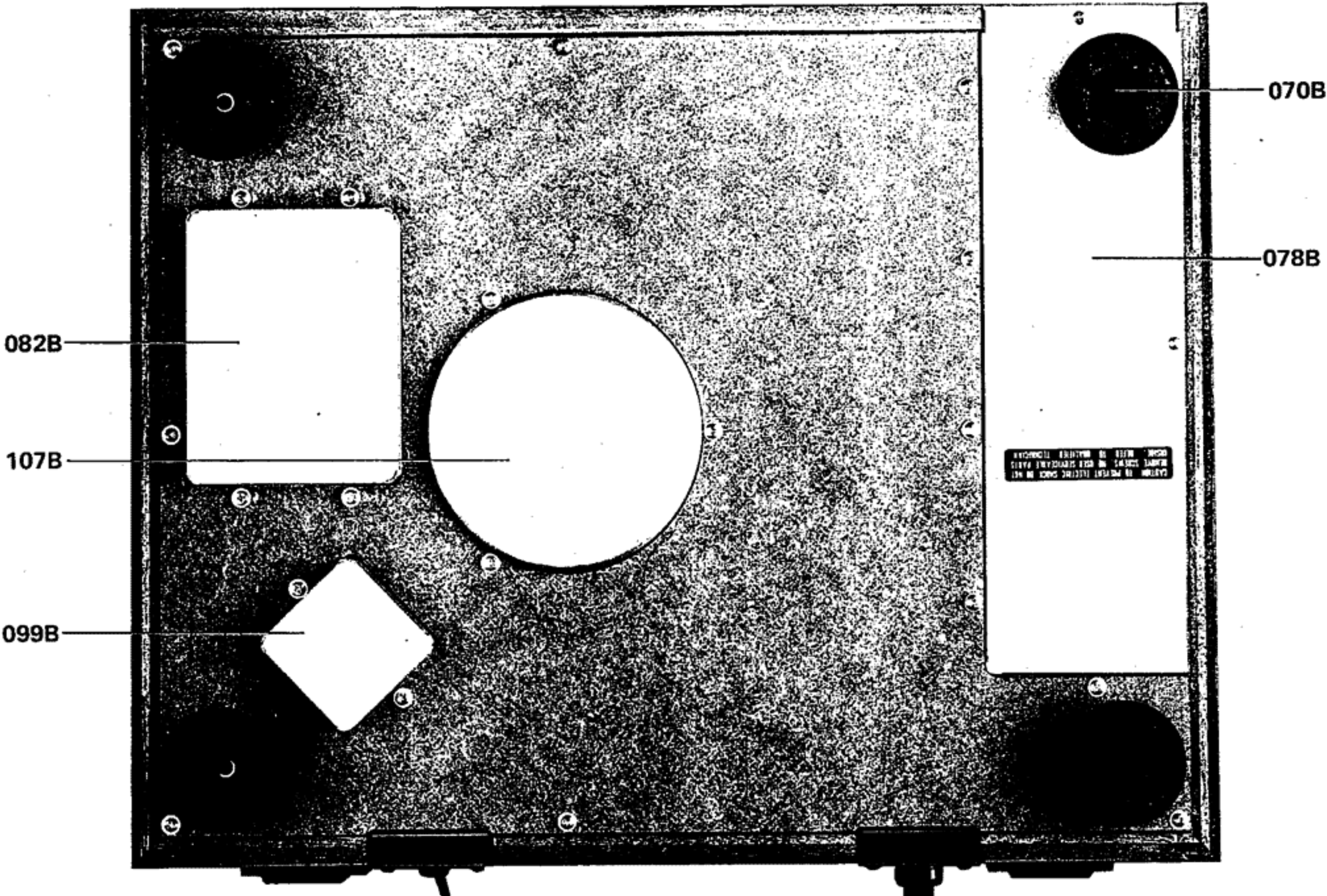
4.1 Cabinet-Top View



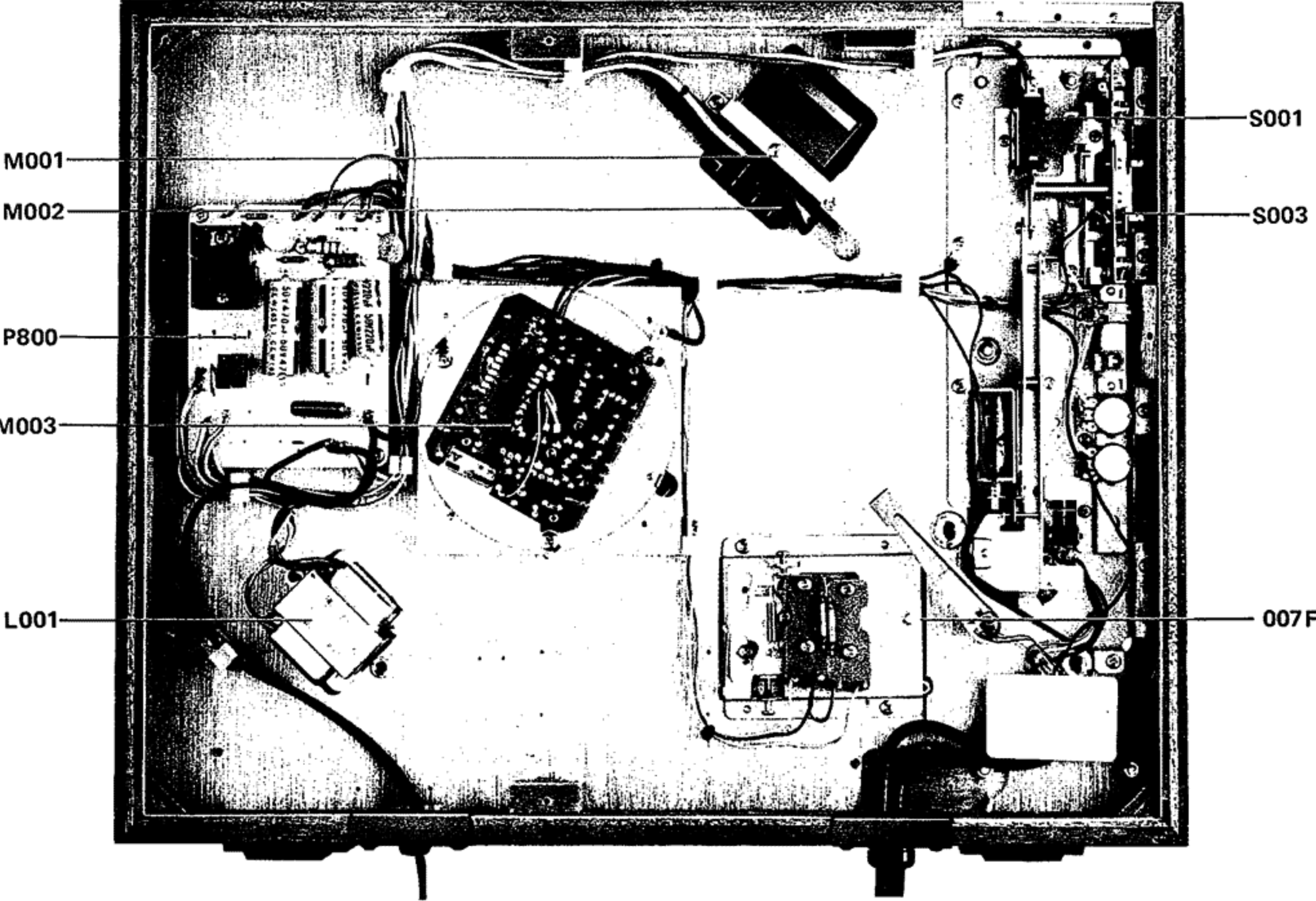
4.2 Cabinet-Rear View



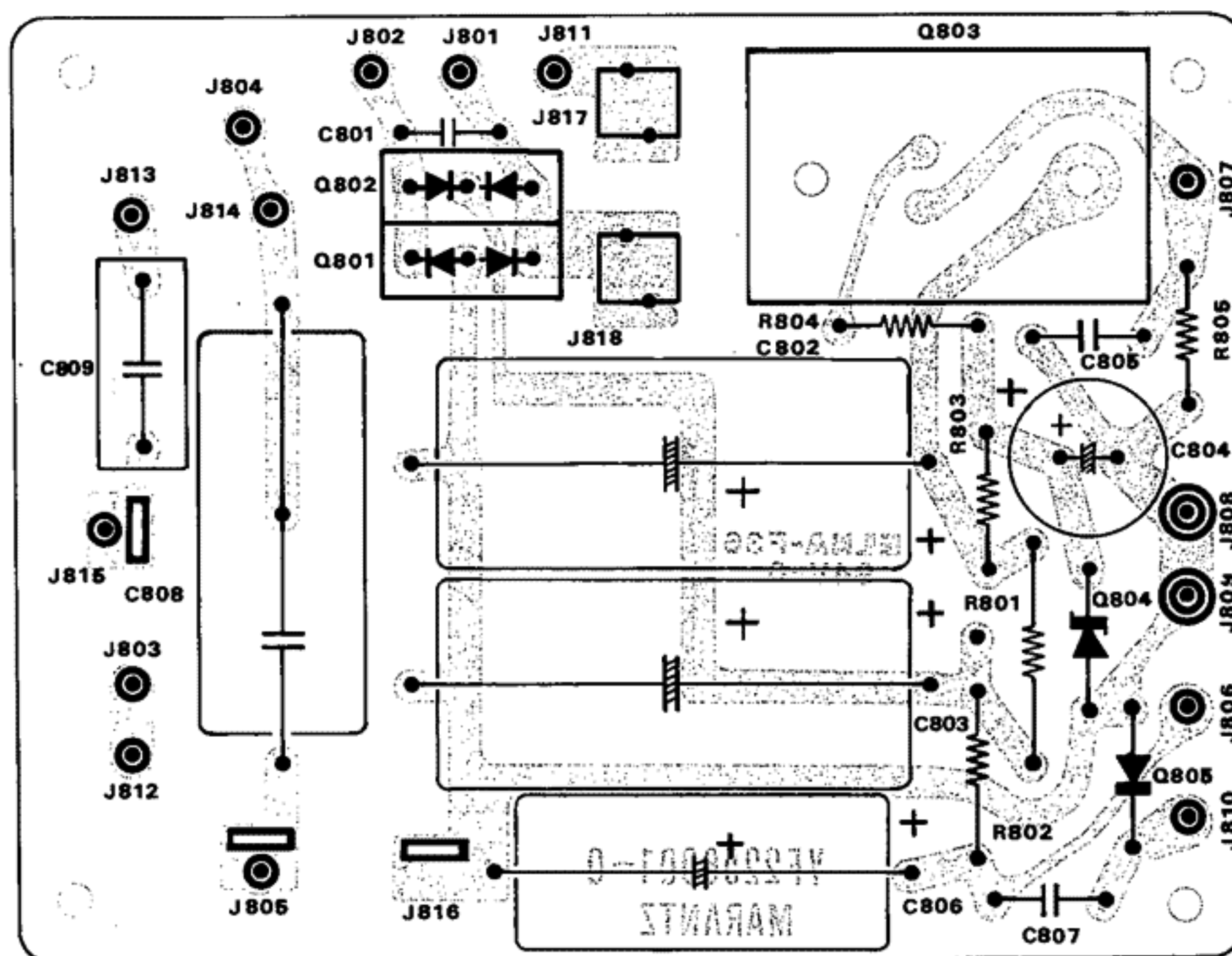
4.3 Cabinet-Bottom View



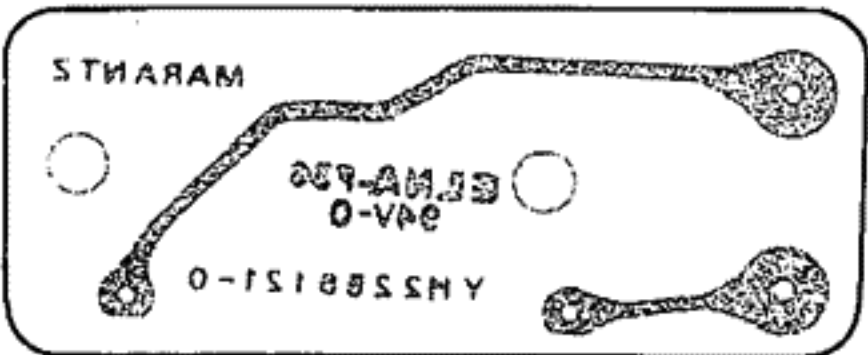
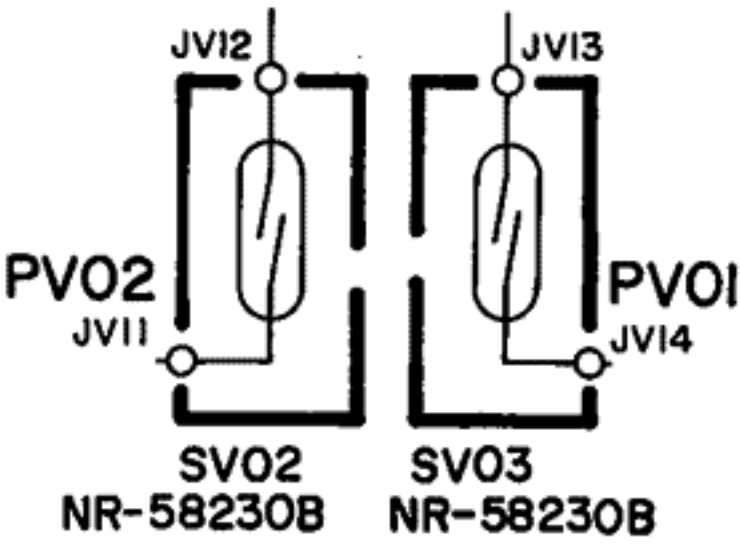
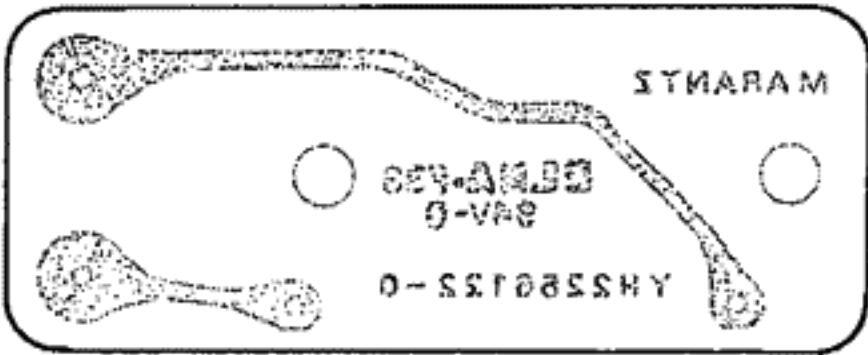
4.4 Chassis-Bottom View



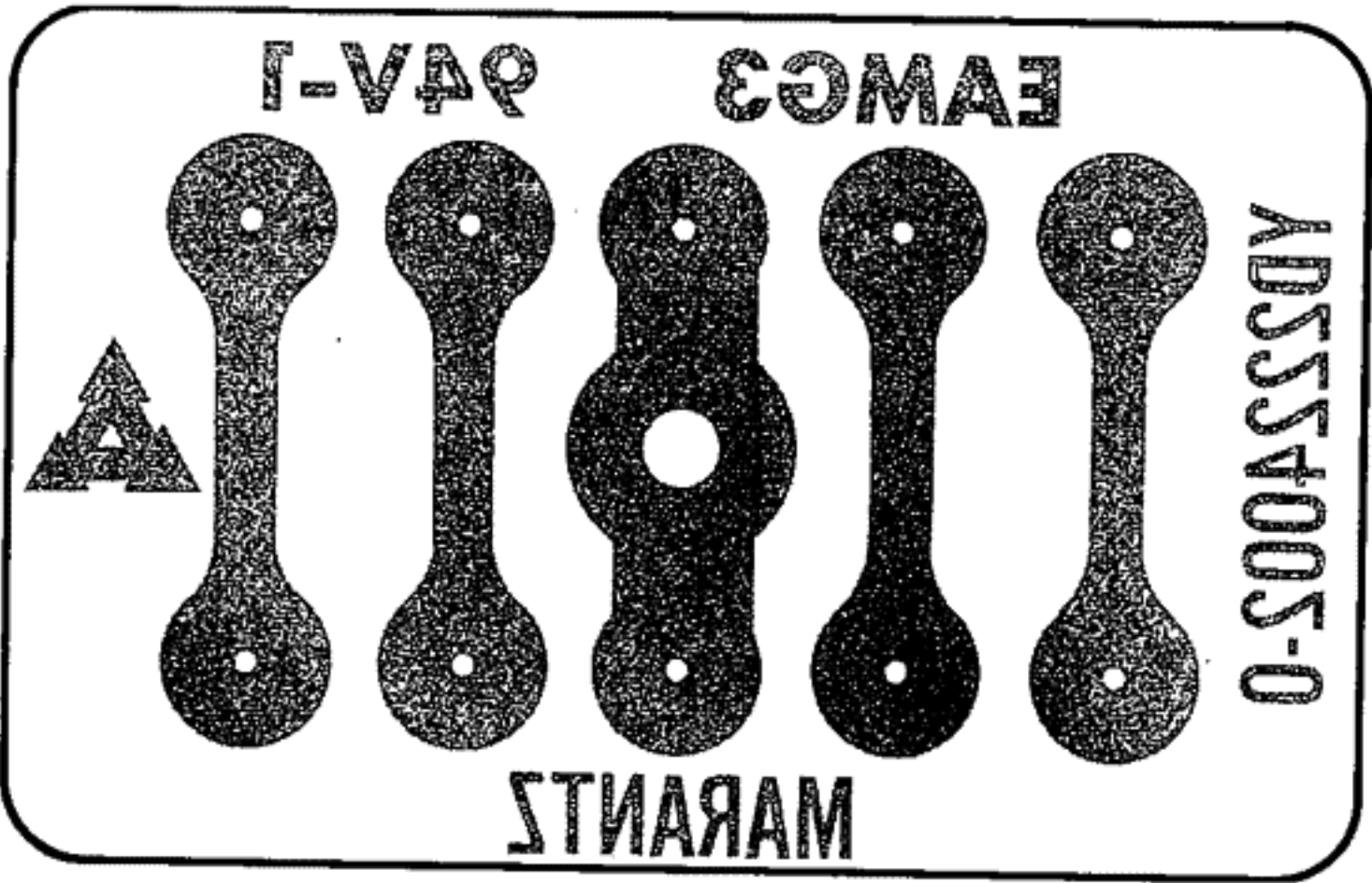
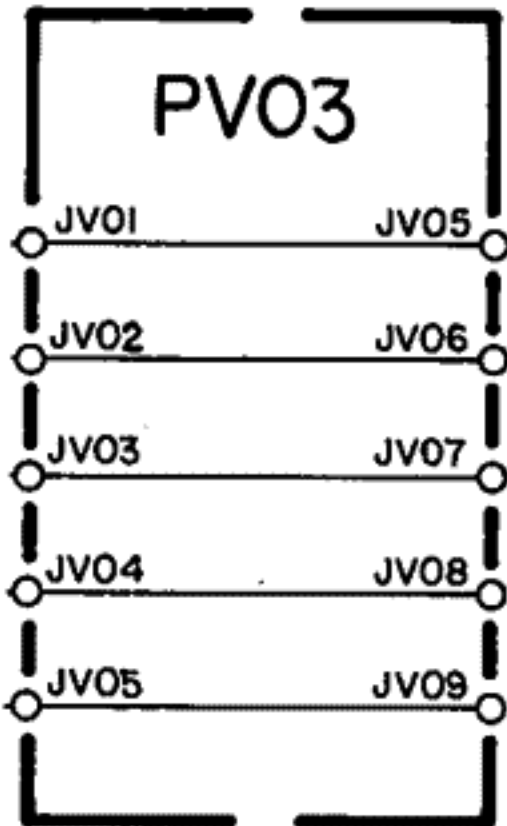
5.1 Power Supply Assembly (P800) Schematic Diagram and Component Locations



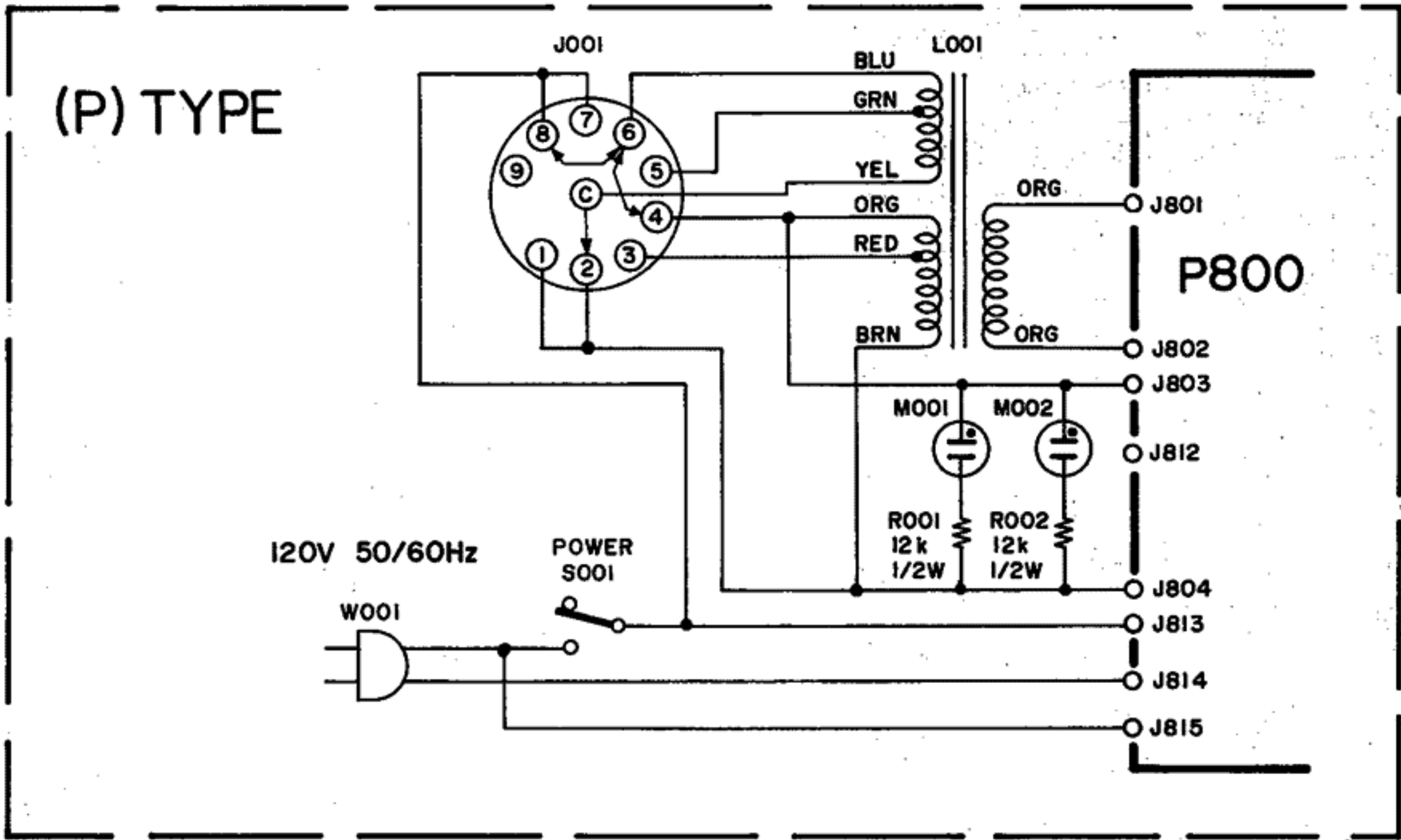
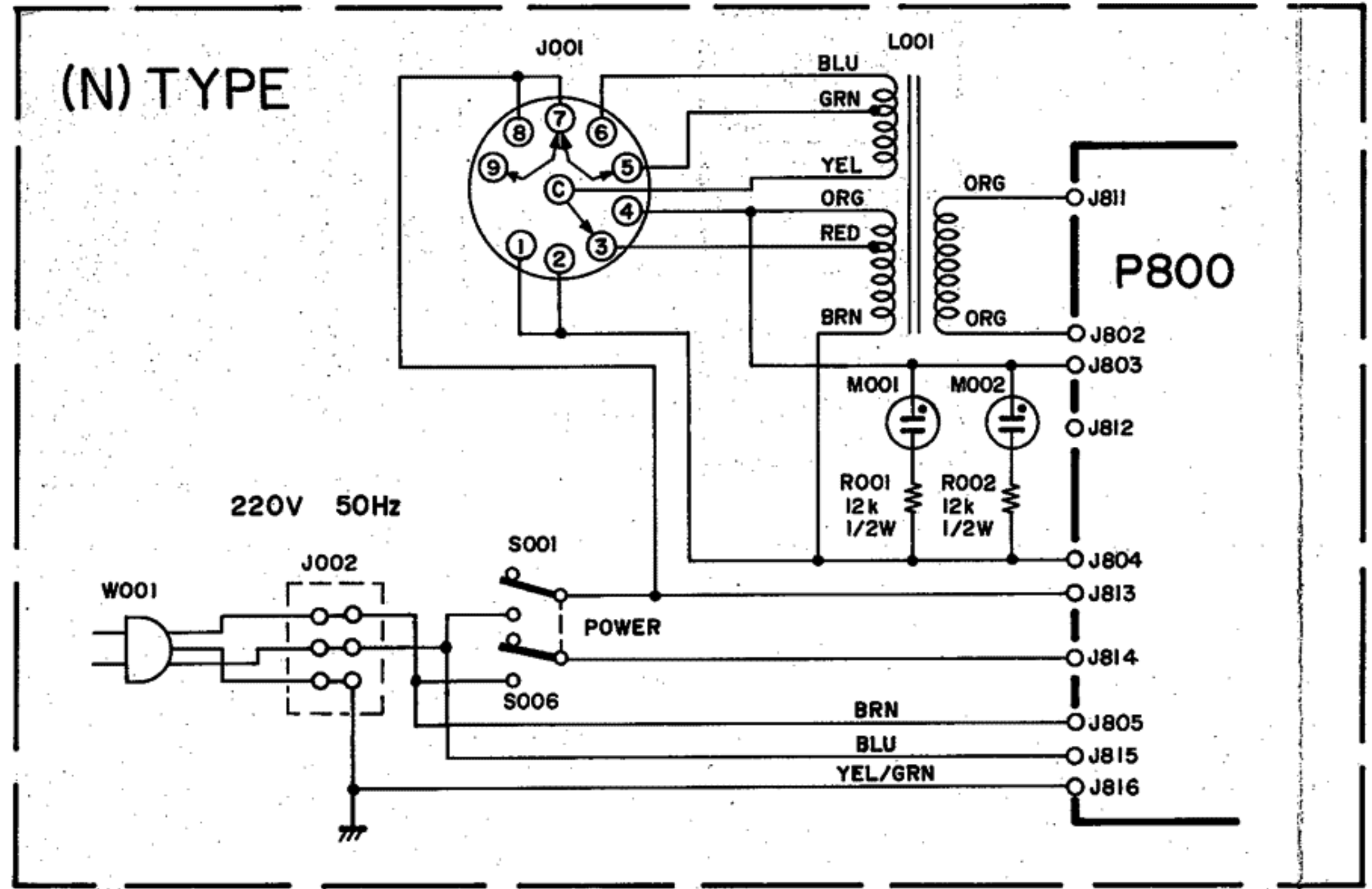
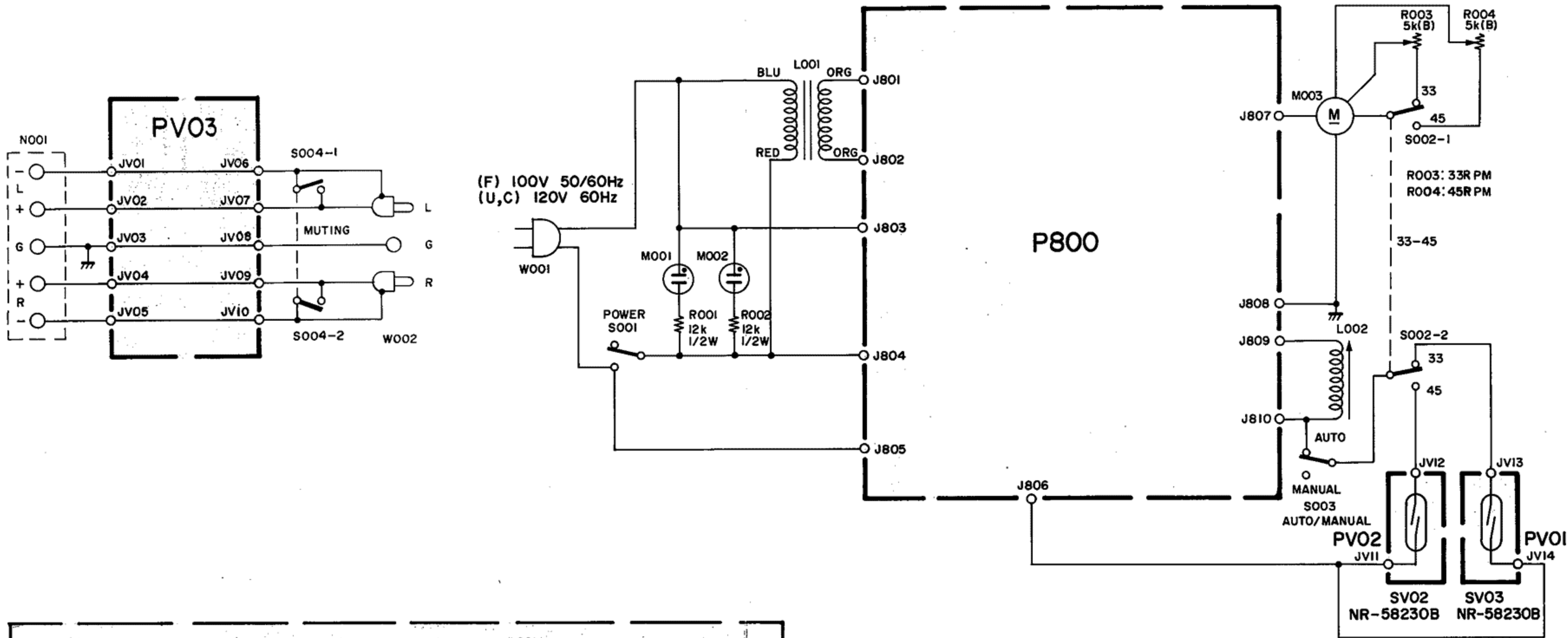
5.2 Adjuster Assembly (PV02) Schematic Diagram and Component Locations

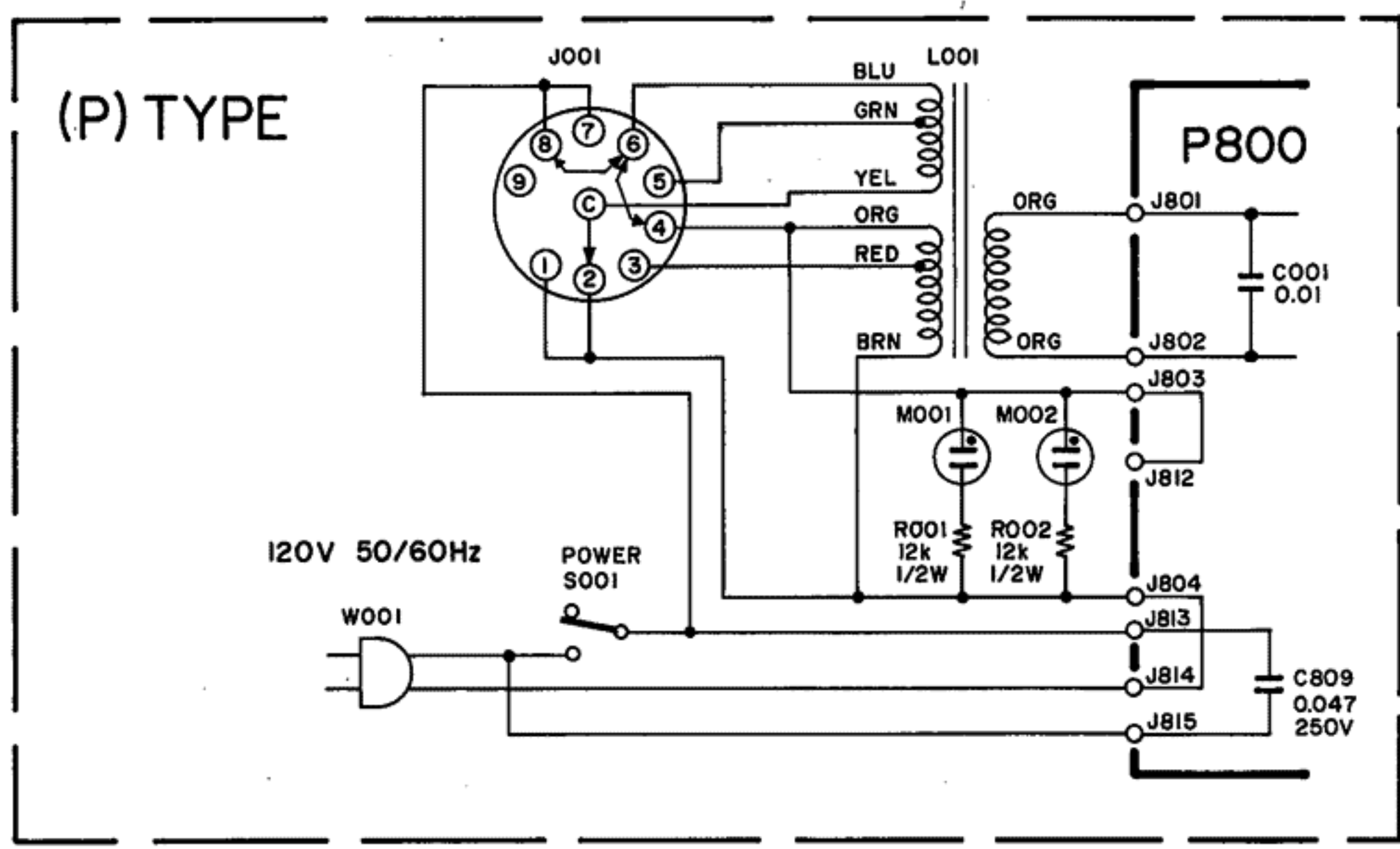
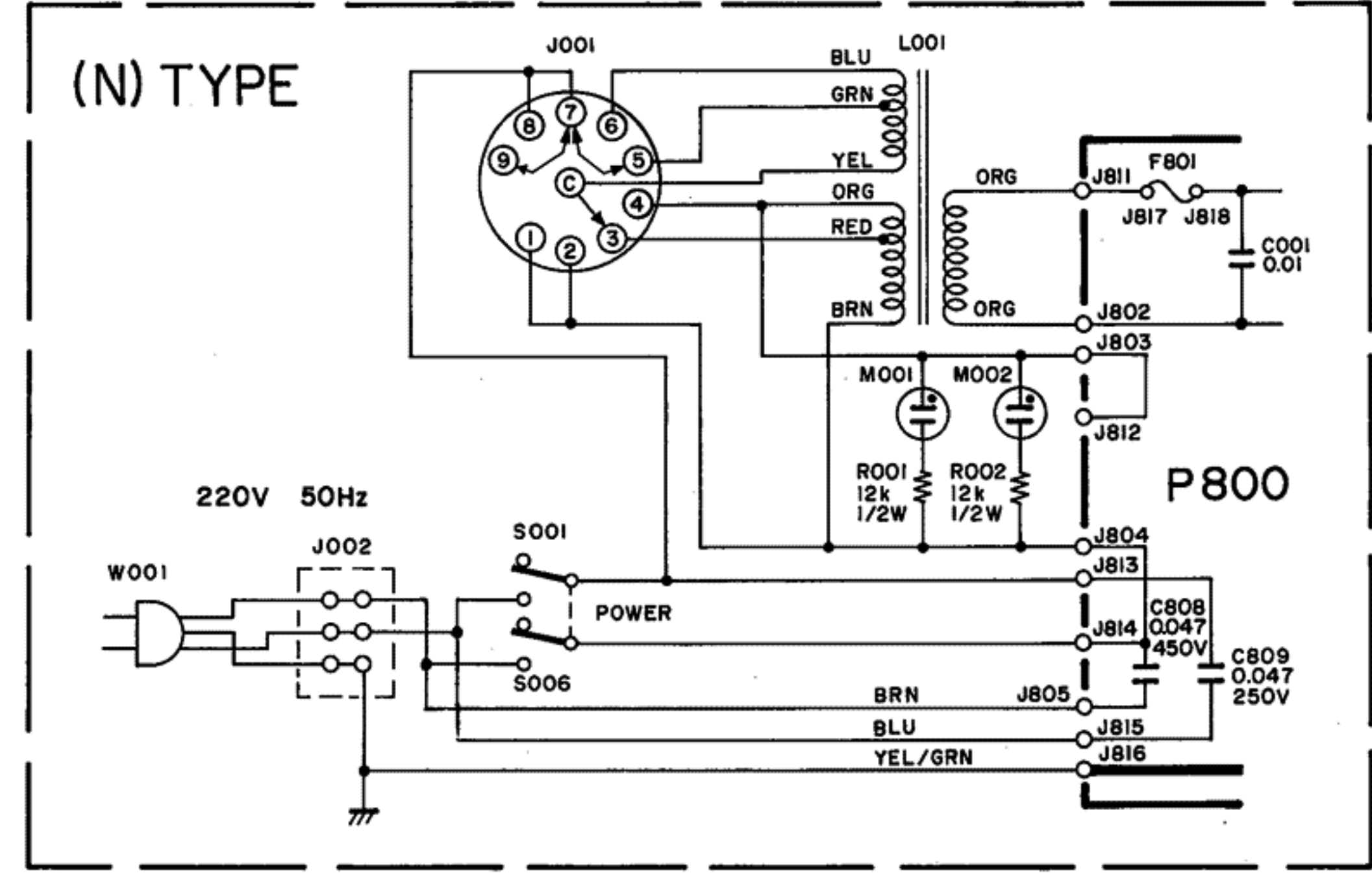
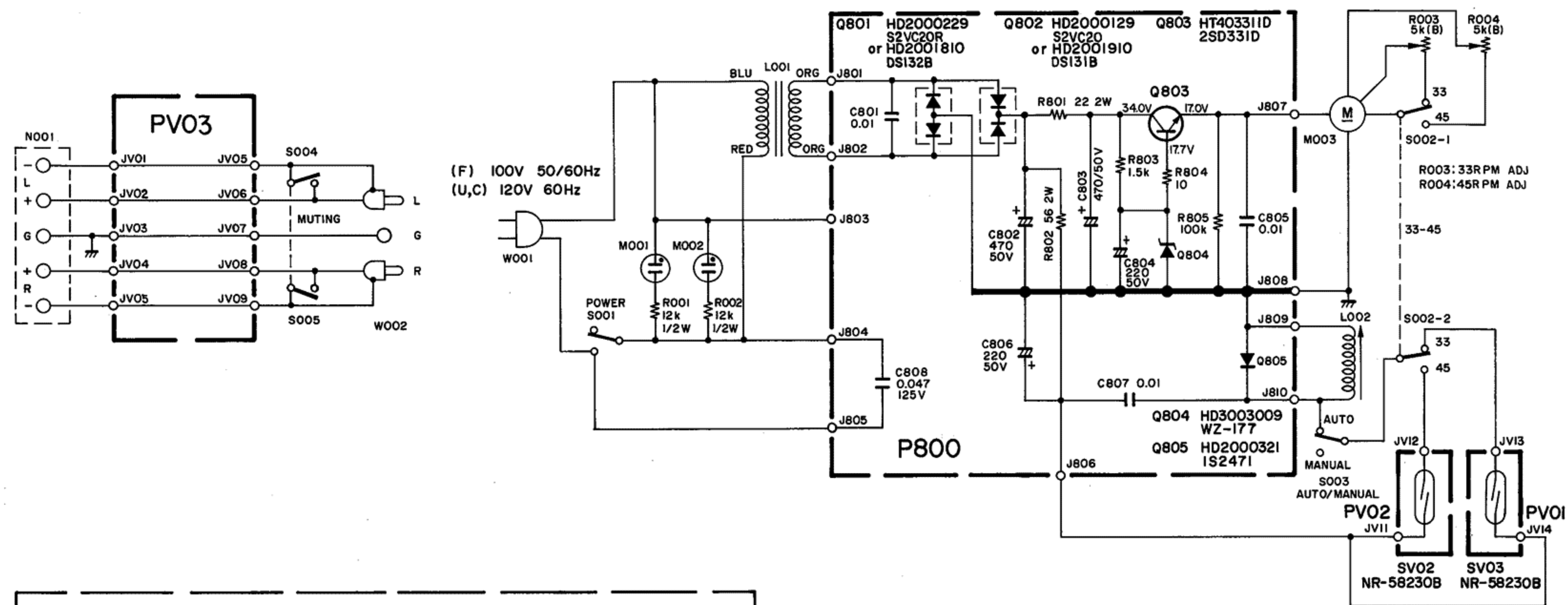


5.4 Connective Assembly (PV03) Schematic Diagram and Component Locations

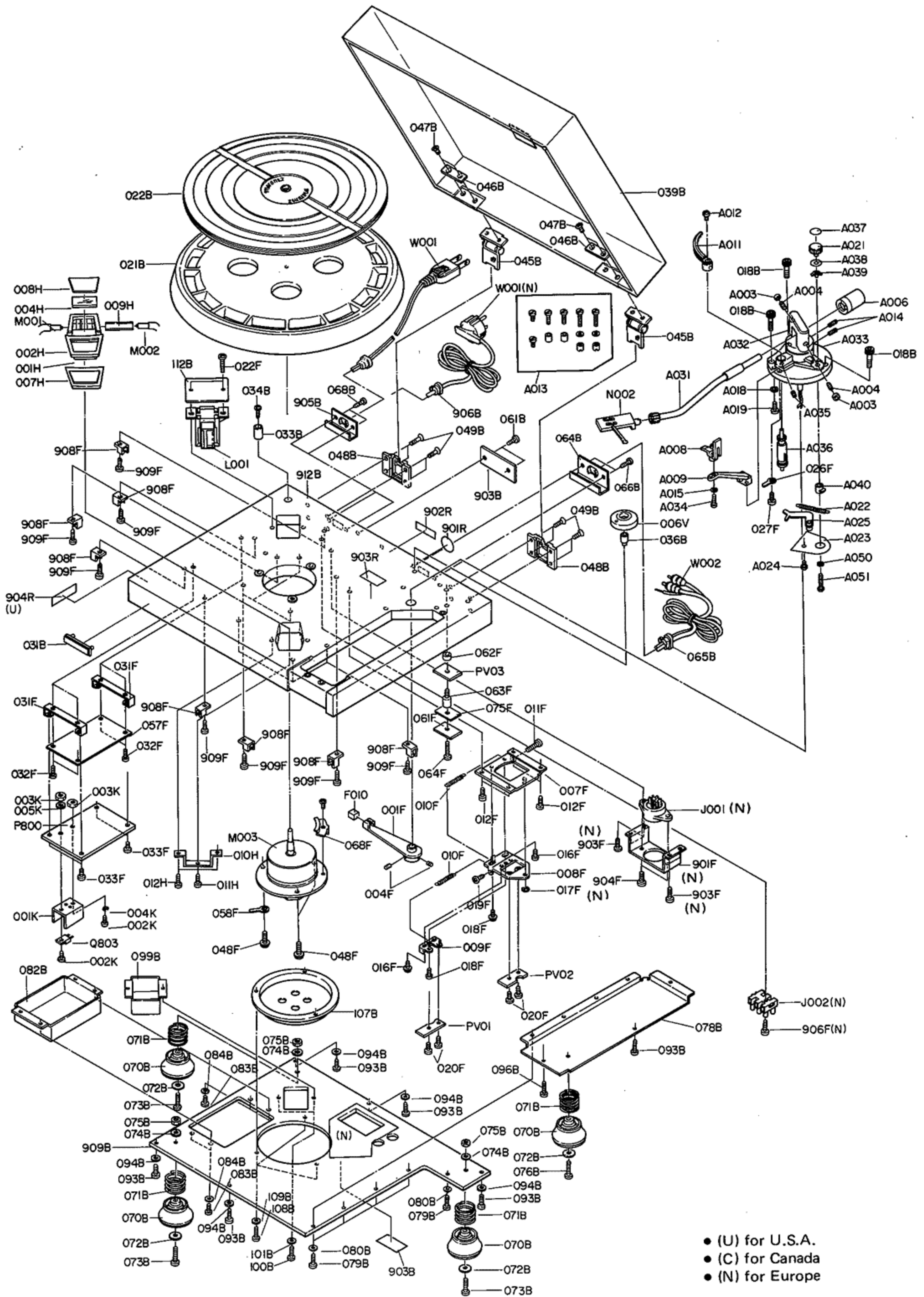


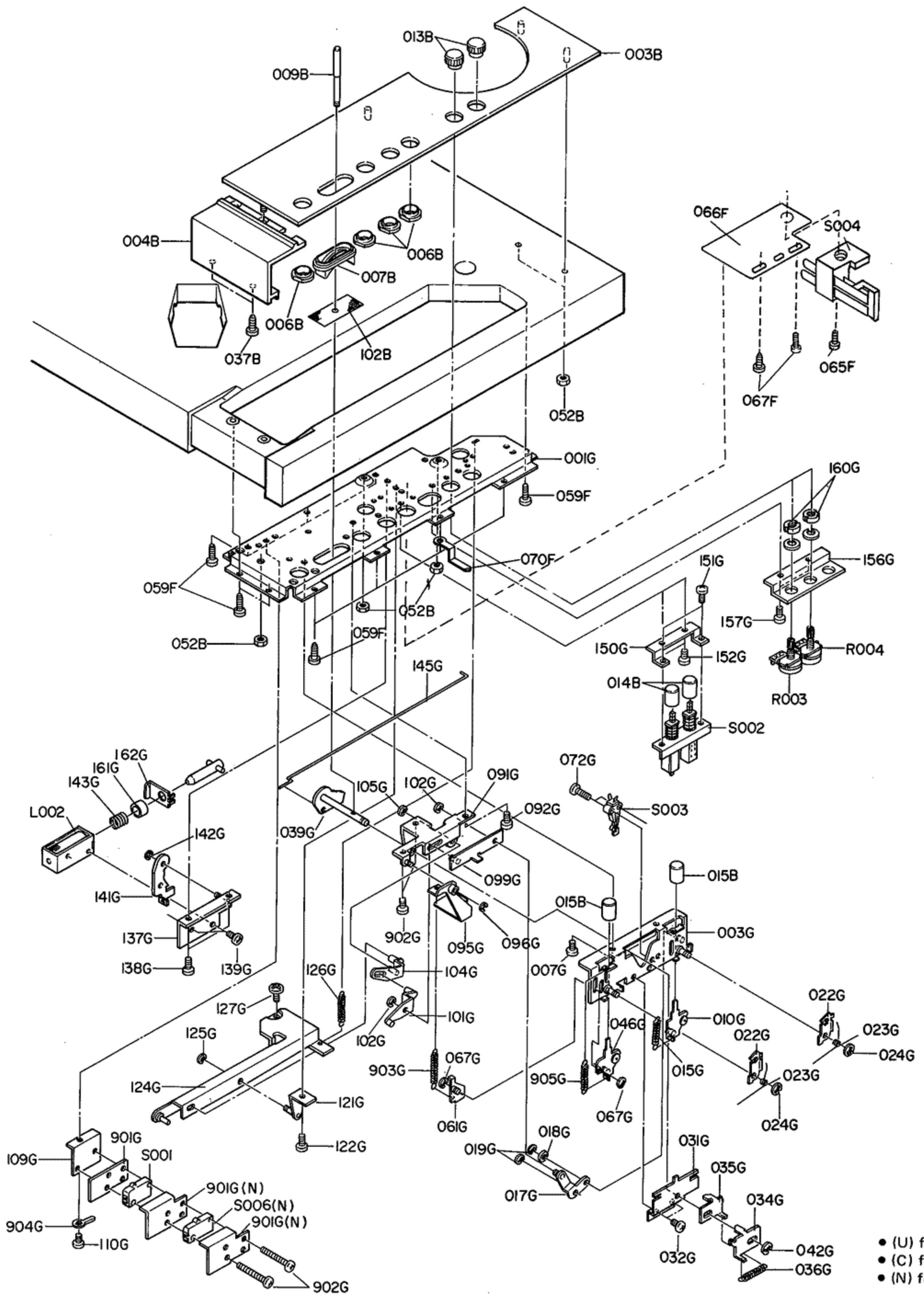
6. CONNECTION DIAGRAM





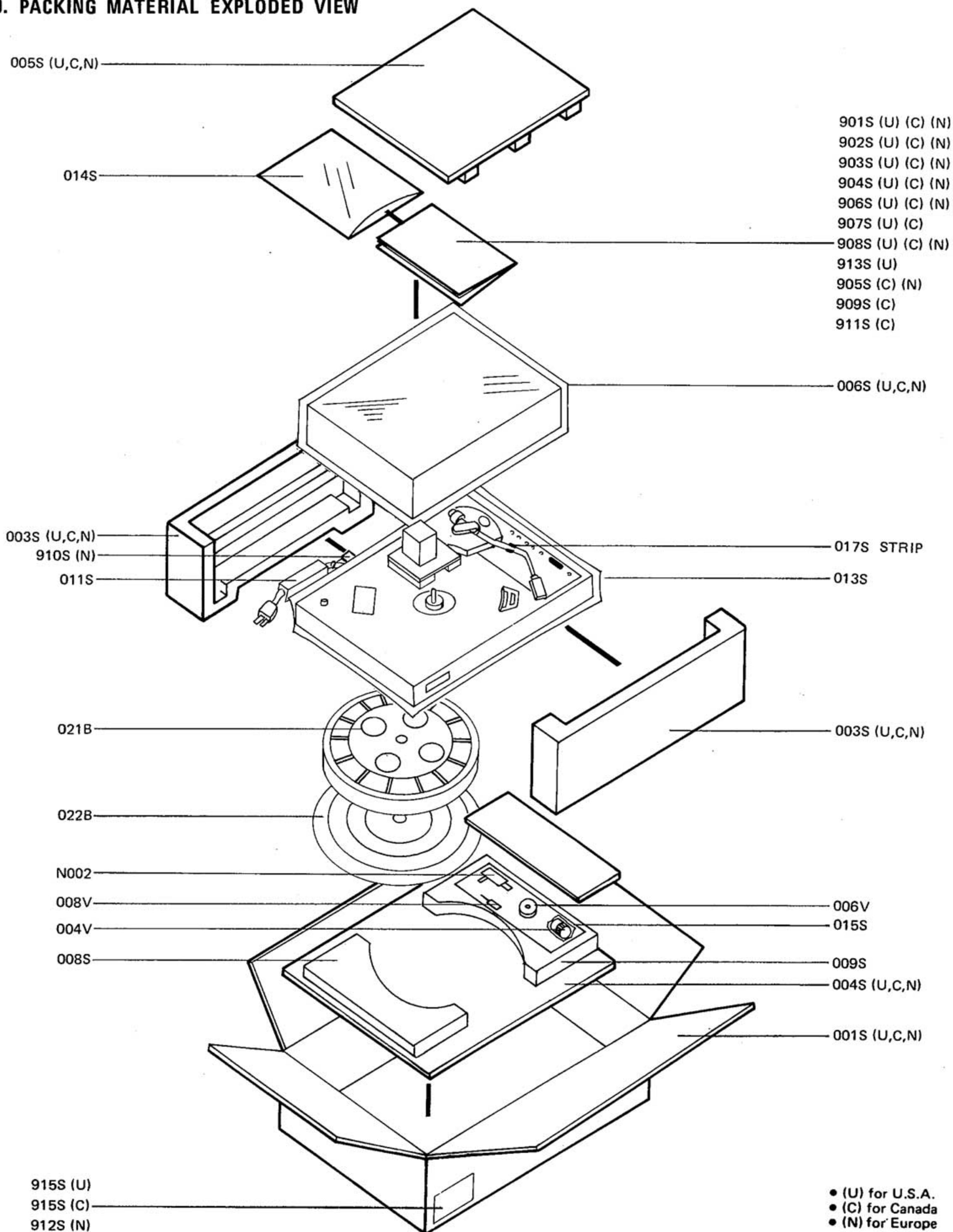
8. EXPLODED MECHANICAL DIAGRAMS





- (U) for U.S.A
- (C) for Canad
- (N) for Europ

9. PACKING MATERIAL EXPLODED VIEW



10. PARTS LIST

- (U) for U.S.A.
- (C) for Canada
- (N) for Europe

REF. DESIG.	Q'TY			PART NO.	DESCRIPTION
	U	C	N		
A	1			2256064400	Case Assembly
A1		1		2256064410	Case Assembly
A2			1	2256064420	Case Assembly, Silver
A3			1	2256064430	Case Assembly, Brown
004B	1	1	1	2256063022	Escutcheon
031B	1	1	1	2988251012	Badge
033B	1	1	1	2939259020	Bushing
034B	1	1	1	51543110S0	F.H. Wood Screw
036B	1	1	1	2939104020	Retainer
037B	2	2	2	51522716A0	R.H. Wood Screw
048B	2	2	2	2256160150	Bracket
049B	8	8	8	51522713S0	R.H. Wood Screw
051F	3	3	3	2951160010	Bracket
061B	2	2	2	51770308B0	Screw
903B	1			2256265010	Indicator
903B		1		2256265020	Indicator
903B			1	2256265030	Indicator
912B	1	1	1	2256064010	Case, Brown
912B			1	2256064110	Case, Silver
B	1	1	1	2224053400	Dust Cover Assembly
039B	1	1	1	2224053510	Cover
045B	2	2	2	2224153510	Hinge
047B	4	4	4	51040410B9	F.H.M. Screw, F4 x 10
C	1	1	1	2256063400	Panel Assembly
003B	1	1	1	2256063012	Escutcheon
006B	4	4	4	2978259012	Bushing
007B	1	1	1	2256259012	Bushing
102B	1	1	1	2256118012	Spacer
D	1	1		2256257400	Lid Assembly
D1			1	2256257410	Lid Assembly
044F	1	1	1	2062120022	Insulator
070B	4	4	4	2224057012	Leg
071B	4	4	4	2224115030	Spring
072B	4	4	4	54110149A0	Flat Washer
073B	3	3	3	51100318S9	B.H.M. Screw, B3 x 18
074B	3	3	3	54020301A0	Flat Washer
075B	3	3	3	53110303A9	Hexagon Nut
076B	1	1	1	51280312B0	B.H. Tapped Screw, B3 x 12
078B	1	1	1	2256053012	Cover
079B	5	5	5	51100310B9	B.H.M. Screw, B3 x 10
082B	1	1	1	2256053020	Cover
083B	4	4	4	51100310B9	B.H.M. Screw, B3 x 10
099B	1	1	1	2256053040	Cover
100B	2	2	2	51100310B9	B.H.M. Screw, B3 x 10
107B	1	1	1	2256053032	Cover
108B	3	3	3	51480308A9	F. Washer Screw, F3 x 8
901R			2	3889861010	Label
903R	1			9511101060	Label
903R			1	2882861020	Label
909B	1	1		2256257010	Lid
909B			1	2256257110	Lid
E	1	1	1	2256064440	Strobe Case Assembly
001H	1	1	1	2256064022	Case
002H	1	1	1	2256064030	Case
004H	1	1	1	2256274010	Reflector

REF. DESIG.	Q'TY			PART NO.	DESCRIPTION
	U	C	N		
007H	1	1	1	2256158012	Window
008H	1	1	1	2256158022	Window
009H	1	1	1	2256158030	Window
P808	6	6	6	2933118020	Spacer
001F	1	1	1	2256002530	Arm
001G	1	1	1	2256105022	Chassis
001S	1	1	1	2256801010	Packing Case
003G	1	1	1	2256105502	Chassis
003S	2	2	2	2256803010	Partitioner
004F	2	2	2	51650303A9	Set Screw, H.P.
004S	1	1	1	2256807010	Reinforcing
004V	1	1	1	2256008010	Weight
005S	1	1	1	2256807020	Reinforcing
006S	1	1	1	2256807030	Reinforcing
006V	1	1	1	2949104010	Retainer
007F	1	1	1	2256160130	Bracket
007G	2	2	2	51060304A9	P.H.M. Screw, P3 x 4
008F	1	1	1	2256160140	Bracket
008S	1	1	1	2256803020	Partitioner
008V	1	1	1	2939164010	Adjuster
009B	1	1	1	2256154502	Knob
009F	1	1	1	2256160190	Bracket
009S	1	1	1	2256803030	Partitioner
010F	1	1	1	2256115050	Spring
010G	1	1	1	2256354512	Lever
010H	1	1	1	2256160160	Bracket
011B	1	1	1	2256112092	Shaft
011F	1	1	1	51100314B9	B.H.M. Screw, B3 x 14
011H	1	1	1	51280306B0	B.H. Tapped Screw, B3 x 6
011S	2	2	2	1029804010	Sleeve
012F	2	2	2	51523110A0	R.H. Wood Screw
013B	2	2	2	2224154030	Knob
013S	1	1	1	9014543380	Polyethylene Bag
014B	2	2	2	2963154032	Knob
014S	1	1	1	9013025010	Polyethylene Bag
015B	2	2	2	2970154012	Knob
015G	1	1	1	3411115222	Spring
015S	3	3	3	9010510010	Polyethylene Bag
016F	4	4	4	51060305A9	P.H.M. Screw, P3 x 5
017G	1	1	1	2256354080	Lever
017S	1	1	1	2939007010	Strip
018B	3	3	3	51730414S9	Screw,
018G	1	1	1	2256055010	Collar
018S	1	1	1	2224803080	Partitioner
019B	3	3	3	2951160010	Bracket
019G	2	2	2	64000200R0	RG Ring, E
021B	1	1	1	2256165010	Turntable

- (U) for U.S.A.
- (C) for Canada
- (N) for Europe

REF. DESIG.	Q'TY			PART NO.	DESCRIPTION	
	U	C	N			
022B	1	1	1	2224107020	Sheet	
022F	2	2	2	51100312A9	B.H.M. Screw,	B3 x 12
022G	2	2	2	3069102020	Lock	
023F	2	2	2	53110303B9	Hexagon Nut	
023G	2	2	2	2939115090	Spring	
024F	2	2	2	54040302B0	Spring Washer	
024G	2	2	2	64000300R0	RG Ring, E	
025F	2	2	2	54020301B0	Flat Washer, P.	
031F	2	2	2	2963160070	Bracket	
031G	1	1	1	2256160050	Bracket	
032F	4	4	4	51523110A0	R.H. Wood Screw	
032G	2	2	2	51060304A9	P.H.M. Screw,	P3 x 4
033F	4	4	4	51100305A9	B.H.M. Screw,	B3 x 5
034G	1	1	1	2256051012	Guide	
035G	1	1	1	2256051022	Guide	
036G	1	1	1	3411115222	Spring	
039G	1	1	1	2256354500	Lever	
042G	1	1	1	64000300R0	RG Ring, E	
046B	2	2	2	2224160210	Bracket	
046G	1	1	1	2256354520	Lever	
048F	3	3	3	51100425A9	B.H.M. Screw,	B4 x 25
049F	3	3	3	54040402A0	Spring Washer	
050F	3	3	3	54020401A0	Flat Washer, P.	
051G	1	1	1	3411115222	Spring	
052B	5	5	5	53110403B9	Hexagon Nut	
053B	5	5	5	54020401B0	Flat Washer, P.	
053F	1	1	1	2256053030	Cover	
054F	3	3	3	51060316A9	P.H.M. Screw,	P3 x 16
055F	3	3	3	54020301A0	Flat Washer, P.	
061G	1	1	1	2256051510	Guide	
064B	1	1	1	2256160120	Bracket	
065B	1	1	1	1455259080	Bushing	
065G	1	1	1	2256115020	Spring	
066B	2	2	2	51522710A0	R.H. Wood Screw	
067G	2	2	2	64000200R0	RG Ring, E	
068B	2	2	2	51522710A0	R.H. Wood Screw	
072G	2	2	2	51100210A0	B.H.M. Screw,	B2 x 10
080B	5	5	5	54020301A0	Flat Washer, P.	
084B	4	4	4	54020301A0	Flat Washer, P.	
091G	1	1	1	2256160092	Bracket	
092G	3	3	3	51060304A9	P.H.M. Screw,	P3 x 4
093B	7	7	7	51523113A0	R.H. Wood Screw	
094B	6	6	6	54020301A0	Flat Washer, P.	
095G	1	1	1	2256354022	Lever	
096B	1	1	1	51100306A9	B.H.M. Screw,	B3 x 6
096G	1	1	1	64000200R0	RG Ring, E	
099G	1	1	1	2256002012	Arm	
101B	2	2	2	54020301A0	Flat Washer, P.	
101G	1	1	1	2256354042	Lever	
102G	2	2	2	64000200R0	RG Ring, E	
104G	1	1	1	2256354050	Lever	
105G	1	1	1	64000200R0	RG Ring, E	
109G	1	1	1	2256160042	Bracket	
110G	1	1	1	51060304A9	P.H.M. Screw,	P3 x 4
121G	1	1	1	2256160082	Bracket	
122G	1	1	1	51060304A9	P.H.M. Screw,	P3 x 4
124G	1	1	1	2256354012	Lever	
125G	1	1	1	51202603A0	P.F.W.M. Screw,	P2.6 x 3
126G	1	1	1	2256115060	Spring	
127G	1	1	1	2256164010	Adjuster	
130G	1	1	1	2256160210	Bracket	
131G	1	1	1	51060304A9	P.H.M. Screw,	P3 x 4
132G	2	2	2	51100212A0	B.H.M. Screw,	B2 x 12
137G	1	1	1	2256160100	Bracket	
138G	2	2	2	51060304A9	P.H.M. Screw,	P3 x 4
139G	2	2	2	51102604A0	B.H.M. Screw,	B2.6 x 4
141G	1	1	1	2256114012	Stopper	
142G	1	1	1	51202603A0	P.F.W.M. Screw,	P2.6 x 3
143G	1	1	1	2256115070	Spring	
144G	1	1	1	54020601A0	Flat Washer, P.	
145G	1	1	1	2256125012	Joint	
150G	1	1	1	2256160070	Bracket	
151G	2	2	2	51060305A9	P.H.M. Screw,	P3 x 5
152G	2	2	2	51060304A9	P.H.M. Screw,	P3 x 4
156G	1	1	1	2256160060	Bracket	
157G	2	2	2	51060304A9	P.H.M. Screw,	P3 x 4
901F			1	2224160050	Bracket	
901G	1	1		2939120010	Insulator	
901S	1			2256851010	Instructions	
901S		1	1	2256851310	Instructions	
902G	2	2		51060314A9	P.H.M. Screw,	P3 x 14
902R		1		9510911010	Label	
902R	1			9510911020	Label	
902S	1			2256851020	Instructions	
902S		1	1	2256851030	Instructions	
903F			4	51523110A0	R.H. Wood Screw	
903R		2		2911861182	Label	
903R	2			3889861010	Label	
903S		1		2886851100	Instructions	
904F			2	51100306B9	B.H.M. Screw,	B3 x 6
904R	1			3444861010	Label	
904R			1	9512601080	Label	
904S			1	2818813010	Envelope	
904S	1			2818851040	Instructions	
905B	1	1		2256160110	Bracket	
905B			1	2256160170	Bracket	
905F			1	4113120010	Insulator	
905S			1	2818851120	Instructions	
905S		1		2918813012	Envelope	
906B	1	1		1455259030	Bushing	
906B			1	1455259040	Bushing	
906F			2	51523110A0	R.H. Wood Screw	
906R		2		9510901020	Label	
906S	1			2577813010	Envelope	
906S		1		2818851120	Instructions	
906S			1	9630000180	Guarantee Card	
907S	1			2577851020	Instructions	
907S		1		9630000180	Guarantee Card	
908S	1			2577854012	Guarantee Card	
908S			1	2818851140	Instructions	
908S		1		9650000050	S. Station Card	
909B			1	2256257110	Lid	
909S		1		2818854042	Guarantee Card	
910S			1	9560000042	Hang Tag	

- (U) for U.S.A.
- (C) for Canada
- (N) for Europe

REF. DESIG.	Q'TY			PART NO.	DESCRIPTION
	U	C	N		
911G			2	2939120050	Insulator
911S	1			2818851140	Instructions
912G			2	51060325A9	P.H.M. Screw, P3 x 25
912S			3	9523015130	Serial No. Card
913S	1			2818854023	Guarantee Card
915S	3			9522815010	Serial No. Card
915S		3		9523015120	Serial No. Card
PV01 ADJUSTER BOARD					
PV01	1	1	1	YK22561210	P.W. Board
	1	1	1	ZZ22561210	P.W. Board Assembly
PV02 ADJUSTER BOARD					
PV02	1	1	1	YK22561220	P.W. Board
	1	1	1	ZZ22561220	P.W. Board Assembly
PV03 CONNECTIVE BOARD					
PV03	1	1	1	YD22240020	P.W. Board
	1	1	1	ZZ22240020	P.W. Board Assembly
SV02	1	1	1	SC01010280	Switch, Adjuster
SV03	1	1	1	SC01010280	Switch, Adjuster
F010	1	1	1	FD20070010	Ferrite Magnet
J001			1	BY03110010	Plug,
J002			1	YL09030010	Terminal, 3P
L001	1	1		TS14808180	Power Transformer, UL CSA
L001			1	TS14808190	Power Transformer, SEMKO
L002	1	1	1	ME10490010	Solenoid Coil, DC12V 63Ω
M001	1	1	1	IN21200040	Lamp, AC120V
M002	1	1	1	IN21200040	Lamp, AC120V
M003	1	1	1	PM23300050	Phonomotor Unit
N001	1	1	1	PA12215010	Tone Arm
N002	1	1	1	YS02040060	Head Shell
R001	1	1	1	RC10123120	Resistor, 12kΩ ±10% ½W
R002	1	1	1	RC10123120	Resistor, 12kΩ ±10% ½W
R003	1	1	1	RK05020130	Variable Resistor, 5kΩ B Pitch
R004	1	1	1	RK05020130	Variable Resistor, 5kΩ B Pitch
S001			1	SM01020090	Mini Switch, Power SEMKO
S001	1	1		SM01020150	Mini Switch, Power UL, CSA
S002	1	1	1	SP02020320	Pushswitch
S003	1	1	1	SM01010620	Mini Switch, Auto
S004	1	1	1	SM01010620	Mini Switch, Muting, Bracket
S005	1	1	1	SM01010620	Mini Switch, Muting, Bracket
S006			1	SM01020090	Mini Switch, Power SEMKO
W001			1	YC01900030	A.C. Power Cord, SEMKO
W001	1	1		YC02400300	A.C. Power Cord, 105 Degree UL CSA
W002	1	1	1	YB01200030	Connective Cord, FR-1
C801	1	1	1	DK18103510	Ceramic Cap., 0.01μF 200V
C802	1	1	1	ED47705020	Electrolytic Cap., 470μF 50V
C803	1	1	1	ED47705020	Electrolytic Cap., 470μF 50V
C804	1	1	1	EA22702590	Electrolytic Cap., 220μF 25V
C805	1	1	1	DK18103510	Ceramic Cap., 0.01μF ±20% 200V
C806	1	1	1	ED22705090	Electrolytic Cap., 220μF 50V
C807	1	1	1	DK18103510	Ceramic Cap., 0.01μF ±20% 200V
C808		1		DF17473590	Film Cap., 0.047μF ±20% 125V

REF. DESIG.	Q'TY			PART NO.	DESCRIPTION
	U	C	N		
C808	1			DF17473600	Film Cap., 0.047μF ±20% 125V
C808		1		DO07473540	Oil-Paper Cap., 0.047μF ±20% 450V
C809		1		DF17473580	Film Cap., 0.047μF ±20% 250V
F801		1		FS10050800	Fuse, 500MAT SEMKO
J805		1		YL01010040	Terminal
J815		1		YL01010040	Terminal
J816		1		YL01010040	Terminal
J817		1		YJ08000200	Jack, For Fuse
J818		1		YJ08000200	Jack, For Fuse
P800 POWER SUPPLY BOARD					
P800	1	1	1	YG22560010	P.W. Board
	1			ZZ22560010	P.W. Board Assembly
		1		ZZ22569010	P.W. Board Assembly
			1	ZZ22568010	P.W. Board Assembly
Q801	1	1	1	HD20002290	Diode, S2VC20R
Q802	1	1	1	HD20001290	Diode, S2VC20
Q803	1	1	1	HT403311D0	Transistor, 2SD331D
Q804	1	1	1	HD30030090	Zener, WZ-177
Q805	1	1	1	HD20003210	Diode, 1S2471
R801	1	1	1	GJ05220020	Resistor, 22Ω ±5% 2W
R802	1	1	1	GJ05821010	Resistor, 820Ω ±5% 1W
R803	1	1	1	RT05152140	Resistor, 1.5kΩ ±5% ¼W
R804	1	1	1	RT05100140	Resistor, 10Ω ±5% ¼W
R805	1	1	1	RT05104140	Resistor, 100kΩ ±5% ¼W
PARTS FOR TONE ARM					
A001	1	1	1	YS02040040	Head Shell Assembly
A003	2	2	2	2224104210	Circular Nut
A004	2	2	2	2224104220	Pivot Screw
A006	1	1	1	2224008210	Main Weight Assembly
A008	1	1	1	2224104240	Holder Assembly, Arm Rest
A009	1	1	1	2224002210	Arm, Arm Rest
A011	1	1	1	2224002220	Lifter Arm Assembly
A012	1	1	1	2224160220	Fitting Screw
A013	1	1	1	2224160230	Accessories
A014	2	2	2	51650408D9	Set Screw, H.P. M4x8
A015	1	1	1	54040202A0	Spring Washer
A018	2	2	2	54040302A0	Spring Washer
A019	2	2	2	51060308A9	P.H.M. Screw, P3x8
A021	1	1	1	2224154210	Knob, Inside Force Cancellor
A022	1	1	1	2224354210	Lever, Inside Force Cancellor
A023	1	1	1	2224109210	Cover, Inside Force Cancellor
A024	1	1	1	51100204A0	B.H.M. Screw, B2x4
A025	1	1	1	2224115210	Spring, Inside Force Cancellor
A031	1	1	1	2256002230	Pipe Arm Assembly
A032	1	1	1	2256353210	Pivot Ring Assembly
A033	1	1	1	2256160310	Base Bracket Assembly
A034	1	1	1	51350208B0	T.H. Tapped Screw, T2x8
A035	1	1	1	51650304D0	Set Screw, H.P. M3x4
A036	1	1	1	2256360500	Elevator Assembly
A037	1	1	1	2256265210	Marking, Inside Force Cancellor
A038	1	1	1	2256118210	Polyethylene Slider Washer
A039	1	1	1	2256118220	Friction Washer
A040	1	1	1	2256104210	Boss, Inside Force Cancellor
A050	1	1	1	54020201B0	Spring Washer
A051	1	1	1	54060214B0	T.L. Washer, IR

11. TECHNICAL SPECIFICATIONS FOR U.S.A. MODEL ONLY

Drive System	Direct Drive System
Drive Motor Type	DC Servo-Controlled
Speed Control Range	6% ($\pm 3\%$)
Rumble (DIN B)	65 dB
Wow and Flutter (NAB, WRMS)	0.04%
Tone Arm Length	8-15/32 inches
Platter Diameter	12-3/16 inches

GENERAL

Power Requirements	120 V AC 60 Hz
Power Consumption	5 Watts
Dimensions:	
Width	17-3/4 inches (450 mm)
Height	5-1/8 inches (130 mm)
Depth	14-1/8 inches (360 mm)
Weight:	
Unit alone	16.1 lbs (7.3 kg)
Packed for Shipment	20.5 lbs (9.3 kg)

FOR EUROPEAN MODEL ONLY

Drive System	Direct Drive System
Drive Motor Type	DC Servo-Controlled
Speed	33-1/3 and 45
Speed Control Range	6% ($\pm 3\%$)
Rumble	
NAB	60 dB
DIN B WTD.	65 dB
Hum Pick Up	57 dB
Wow and Flutter	
NAB	0.04%
DIN WTD.	0.06%
Tracking Error	$-0^{\circ}12' \sim +5^{\circ}02'$
Tone Arm Length	8-15/32 inches
Platter Diameter	12-3/16 inches

GENERAL

Power Requirements	220 V $\sim$, 50 Hz
(This unit can be converted by a qualified technician to operate on 110/120/240 V $\sim$, 50 Hz.)	
Power Consumption	5 Watts
Dimensions	
Width	17-3/4 inches (450 mm)
Height	5-1/8 inches (130 mm)
Depth	14-1/8 inches (360 mm)
Weight	
Unit alone	16.1 lbs (7.3 kg)
Packed for shipment	20.5 lbs (9.3 kg)



marantz

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