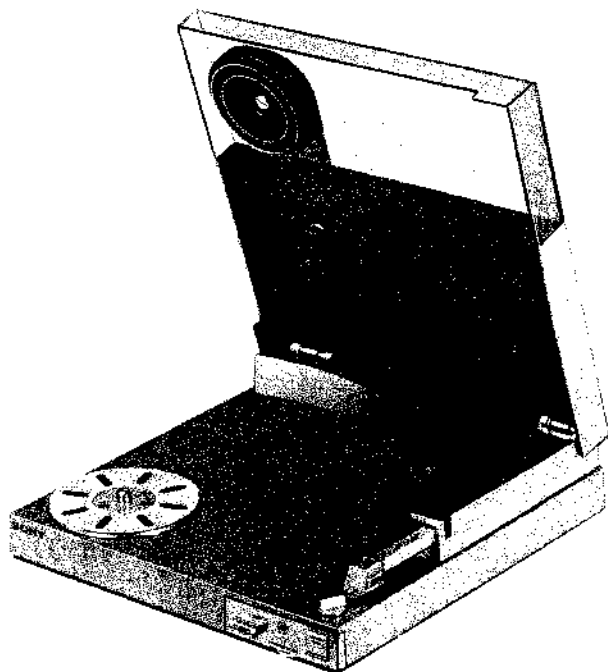


# PS-Q7



US Model  
AEP Model  
UK Model  
E Model

## STEREO TURNTABLE SYSTEM

### SPECIFICATIONS

#### General

**Power Requirements:** 220 V ac, 50/60 Hz (AEP model)  
240 V ac, 50/60 Hz (UK model)  
110 – 120 or 220 – 240 V ac adjustable,  
50/60 Hz (E model)  
120 V ac, 60 Hz (US model)

**Power Consumption:** 5 W

**Dimensions:** Approx. 215 (w) x 235 (h) x 58 (d) mm  
8 $\frac{1}{2}$  (w) x 9 $\frac{3}{8}$  (h) x 2 $\frac{3}{8}$  (d) inches  
including projecting parts and controls

**Weight:** Approx. 2.5 kg, 5 lbs 8 oz net  
Approx. 3.2 kg (7 lbs 8 oz), in shipping carton

#### Turntable

**Platter:** 7.8 cm (3 $\frac{1}{8}$  in.), aluminum-alloy diecast

**Motor:** Linear torque BSL (brushless and slotless) motor

**Drive System:** Direct drive

**Control System:** Magnedisc servo control system

**Speed:** 33 $\frac{1}{3}$  rpm, 45 rpm

**Wow and Flutter:** 0.08% (WRMS)

**Signal-to-noise Ratio:** 68 dB (DIN-B)

**Automatic System:** Lead-in, return, reject

#### Tonearm

**Type:** Dynamic balanced low mass type

#### Cartridge

**Type:** Moving magnet type

**Frequency Response:** 10 to 20,000 Hz

**Channel Separation:** 20 dB at 1 kHz

**Load Impedance:** 50 k $\Omega$

**Tracking Force:** 2 g

**Stylus:** Sony ND-143G (0.6 mil diamond)

**Weight:** 3.4 g

#### Amplifier section

**Outputs:** PHONO OUT  
Stereo mini jack  
HEADPHONES  
Stereo mini jack  
0.77 mV to 55 mV (-60 dB to -23 dB)  
(at 8 $\Omega$  load)

**Frequency Response:** RIAA equalization curve  $\pm 0.5$  dB

#### SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK  $\triangle$  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.



# SONY<sup>®</sup>

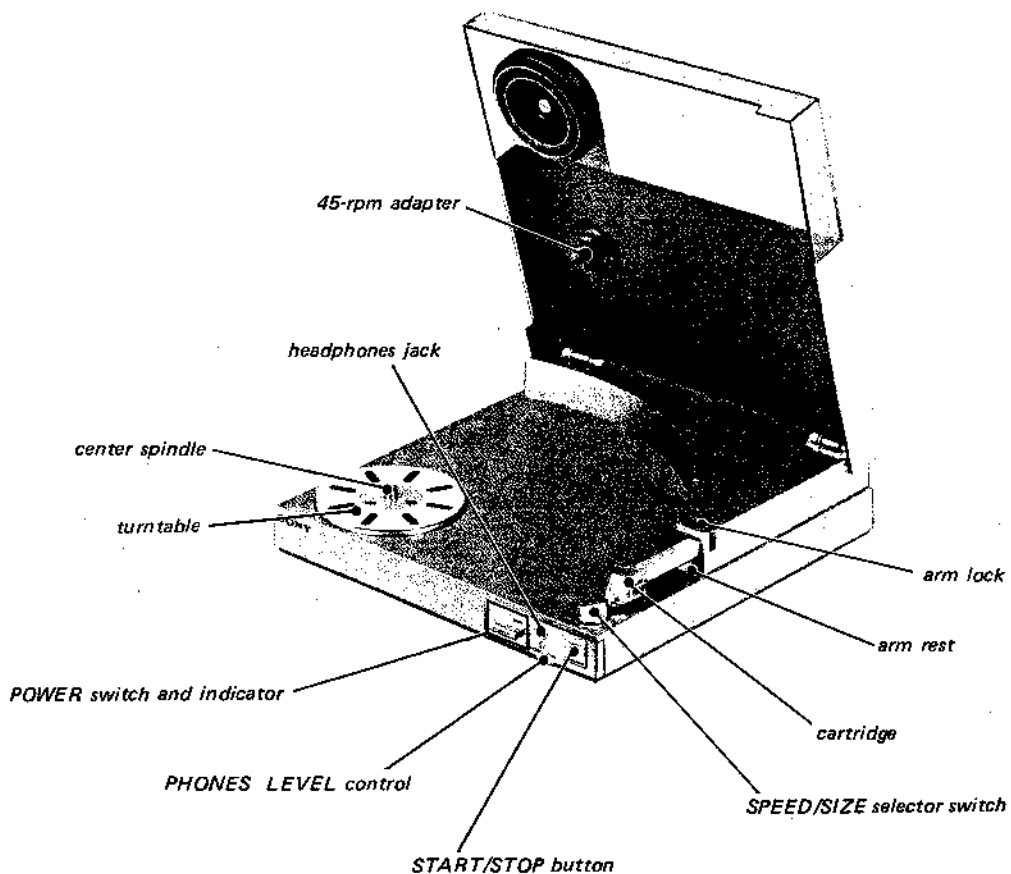
## SERVICE MANUAL

## SECTION 1 OUTLINE

### FEATURES

- Direct drive system by a linear torque BSL motor.
- Compact size permits to set at anywhere.
- A headphones can be directly connected to the player system.

### 1-1. LOCATION AND FUNCTION OF CONTROLS



# PS-Q7A

## SERVICE MANUAL

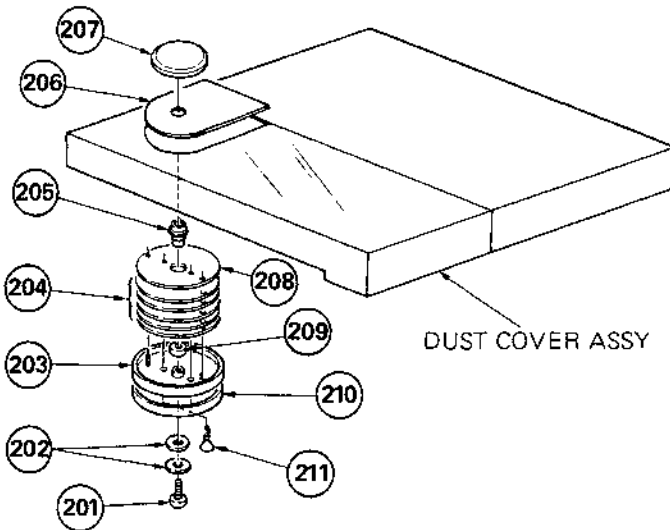
AEP Model  
E Model

- PS-Q7 differs from PS-Q7 in following parts.
- Refer to the PS-Q7 Service Manual and supplement previously issued for the information not contained here.

No.	Part No.	Description
53	4-885-133-00	{SILVER}..BUTTON,POWER
53	4-885-133-21	{BLACK}..BUTTON,POWER
54	4-885-134-00	{SILVER}..KNOB,SELECT
54	4-885-134-21	{BLACK}..KNOB,SELECT
56	4-885-136-00	{SILVER}..BUTTON,S/S
56	4-885-136-21	{BLACK}..BUTTON,S/S
64	4-885-146-00	{SILVER}..KNOB,CONTROL
64	4-885-146-21	{BLACK}..KNOB,CONTROL
71	4-885-167-00	{SILVER}..PANEL,CONTROL
71	4-885-167-21	{BLACK}..PANEL,CONTROL

No.	Part No.	Description
78	4-885-176-51	{SILVER}..FRAME,SUB
78	4-885-176-41	{BLACK}..FRAME,SUB
81	4-885-224-01	{SILVER}..FRAME
81	4-885-224-11	{BLACK}..FRAME
91	*4-885-221-01	{AEP}.....LABEL,MODEL NUMBER
91	*4-885-223-01	{G-AEP}...LABEL,MODEL NUMBER
91	*4-885-222-01	{E}.....LABEL,MODEL NUMBER
139	X-4905-503-1	{SILVER}..COVER ASSY,DUST
139	X-4905-503-4	{BLACK}..COVER ASSY,DUST
193	4-885-209-11	{AEP}..INDIVIDUAL CARTON
139	4-885-209-21	{E}....INDIVIDUAL CARTON

- PS-Q7A differs from PS-Q7 in following structure and parts.



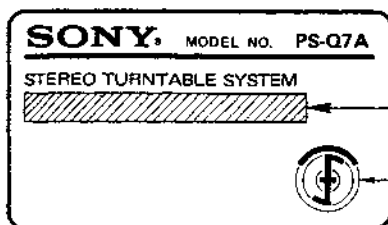
No.	Part No.	Description
201	7-682-549-09	SCREW +B 3X10
202	3-663-748-00	WASHER, SUS
203	4-905-521-01	CASE, WEIGHT
204	*4-905-502-01	PLATE(B), WEIGHT
205	*4-885-220-01	SLEEVE(B), CENTER
206	4-885-111-11	{AEP}{SILVER}..PANEL, ORNAMENTAL
206	4-885-111-21	{AEP}{BLACK}...PANEL, ORNAMENTAL
206	4-885-111-01	{E}{SILVER}...PANEL, ORNAMENTAL
206	4-885-111-31	{E}{BLACK}....PANEL, ORNAMENTAL
207	4-885-225-01	{SILVER}..NUT, ORNAMENTAL
207	4-885-225-11	{BLACK}...NUT, ORNAMENTAL
208	*4-905-501-01	PLATE(A), WEIGHT
209	4-885-186-00	BEARING, RADIAL
210	4-885-138-00	CUSHION
211	7-682-250-09	SCREW +K 3X12

NOTE:

• Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• MODEL IDENTIFICATION

— Specification Label —



AEP model: AC : 220V ~ 50/60 Hz 5W

E model: AC : 110 - 120V, 220 - 240V ~ 50/60 Hz 5W

STEREO TURNTABLE SYSTEM  
**SONY**



991-11

Sony Corporation

English  
85C0636-1  
Printed in Japan  
© 1985



1077

# PS-07

## SERVICE MANUAL

*US Model  
AEP Model  
UK Model  
E Model*

## SUPPLEMENT

File this supplement with the service manual.

No. 3  
December, 1983

### Subject: Cabinet Color Addition

Red type and light silver type have been added.  
Accordingly, the cabinet is four kinds of color in total.

#### GENERAL SECTION

No.	Part No	Description
53	4-885-133-00	(OTHER COLORS)...BUTTON, POWER
53	4-885-133-11	(BLACK)...BUTTON, POWER
56	4-885-136-00	(OTHER COLORS)...BUTTON, S/S
56	4-885-136-11	(BLACK)...BUTTON, S/S
64	4-885-146-00	(OTHER COLORS)...KNOB, CONTROL
64	4-885-146-11	(BLACK)...KNOB, CONTROL
71	4-885-167-00	(OTHER COLORS)...PANEL, CONTROL
71	4-885-167-11	(BLACK)...PANEL, CONTROL
78	4-885-176-00	(SILVER)...FRAME, SUB
78	4-885-176-11	(RED)...FRAME, SUB
78	4-885-176-41	(BLACK)...FRAME, SUB
78	4-885-176-51	(LIGHT SILVER)...FRAME, SUB
81	4-885-181-11	(SILVER)...FRAME
81	4-885-181-51	(BLACK)...FRAME
81	4-885-181-61	(RED)...FRAME
81	4-885-181-81	(LIGHT SILVER)...FRAME
139	X-4885-107-0	(SILVER)...COVER ASSY, DUST
139	X-4885-107-3	(RED)...COVER ASSY, DUST
139	X-4885-107-6	(BLACK)...COVER ASSY, DUST
139	X-4885-107-7	(LIGHT SILVER)...COVER ASSY, DUST

#### ACCESSORY & PACKING MATERIAL

Part No	Description
3-701-308-00	(BLACK)...LABEL, PRODUCT COLOR
3-701-309-00	(SILVER)...LABEL, PRODUCT COLOR
3-703-729-00	(LIGHT SILVER)...LABEL, PRODUCT COLOR
3-701-311-00	(RED)...LABEL, PRODUCT COLOR



# STEREO TURNTABLE SYSTEM

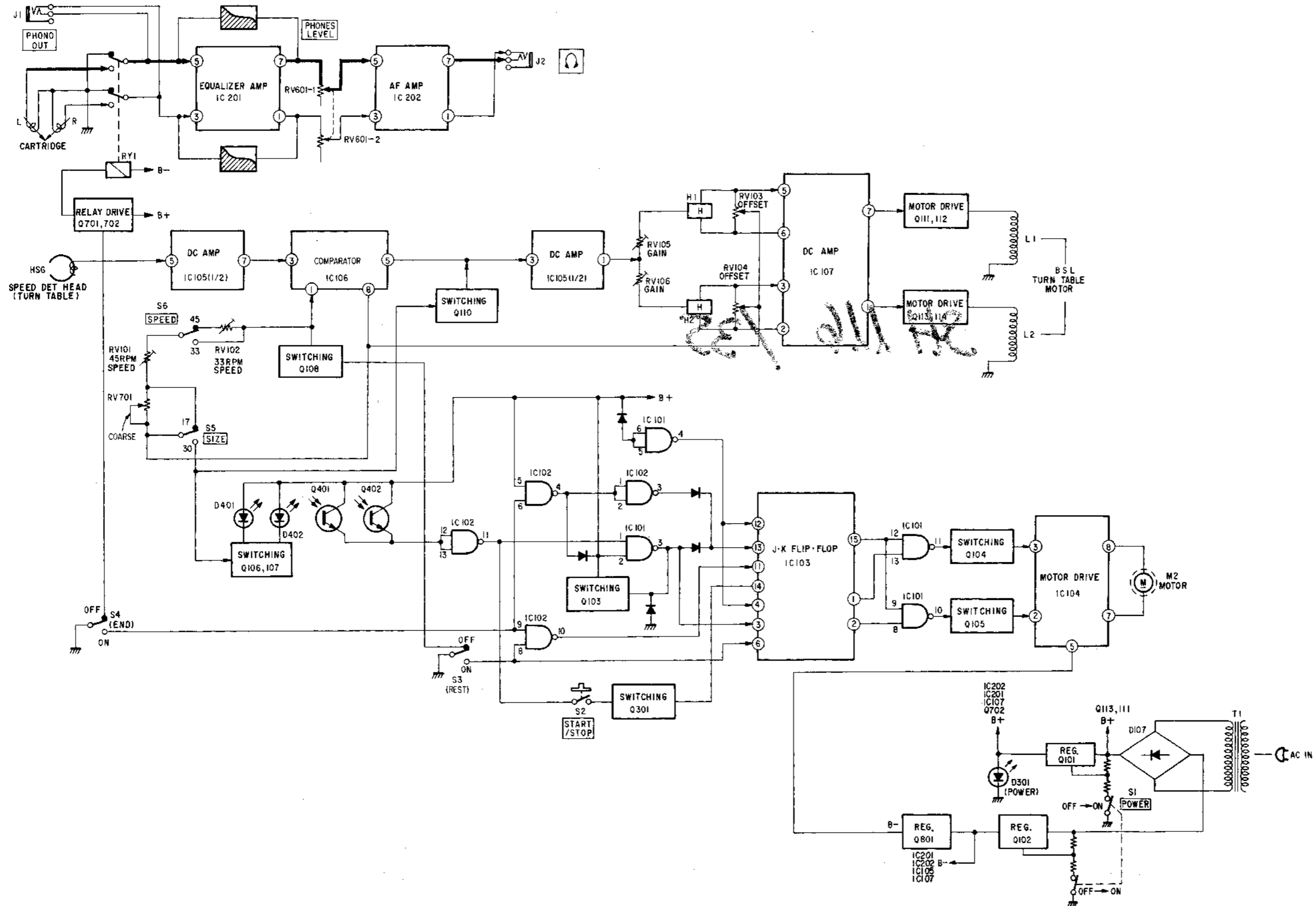
# SONY®

English  
83L06126-1  
Printed in Japan  
© 1983



PS-Q7 PS-Q7

1-2. BLOCK DIAGRAM

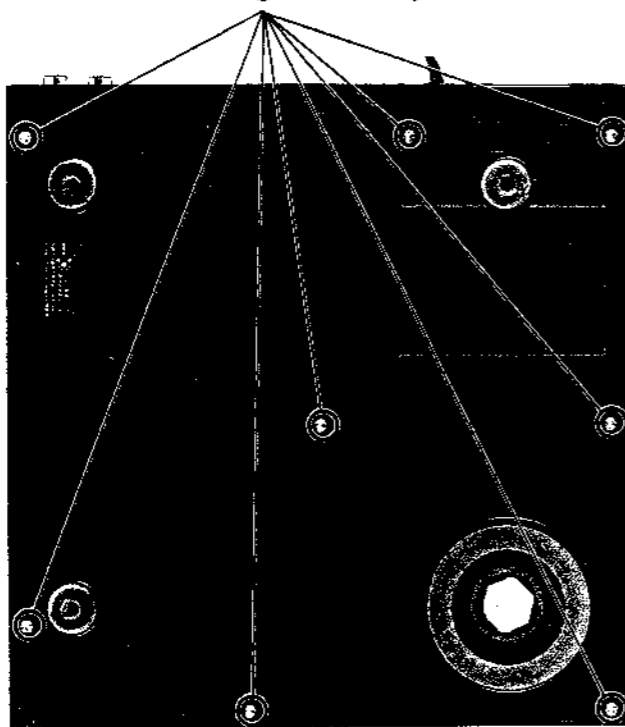


SECTION 2  
DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

Frame

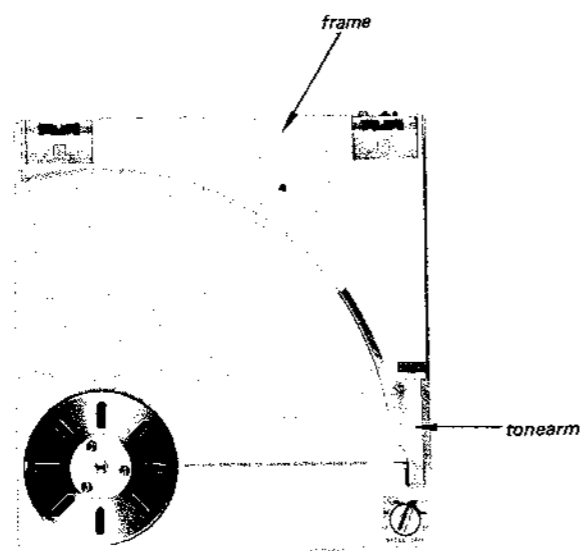
- 1 Pull off the cartridge.
- 2 Remove the eight screws +BVTP 3 x 12.



- 3 Remove the bottom cover.

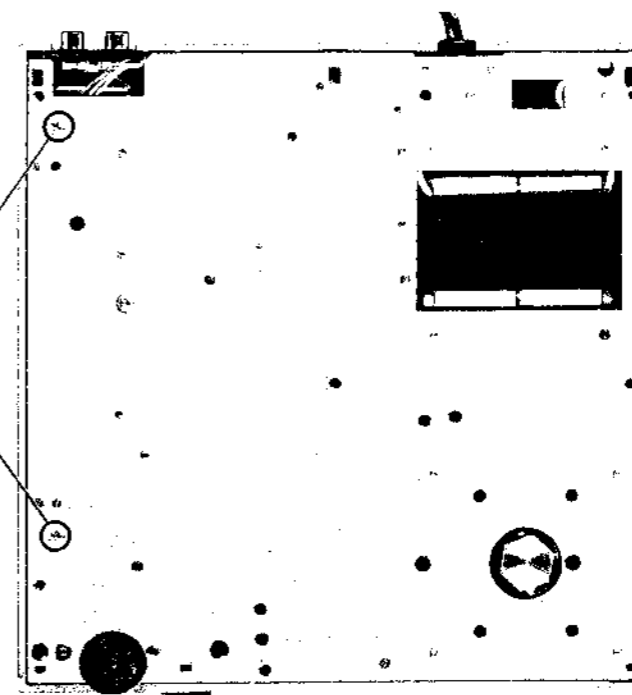


- 4 Set the player system normal position, turntable side facing top.
- 5 Lift up the frame slowly and remove it by letting the tonearm pass through the opening in the frame.



Subframe

+BVTP  
3 x 10



SECTION 3  
ADJUSTMENTS

3-1. MECHANICAL ADJUSTMENTS

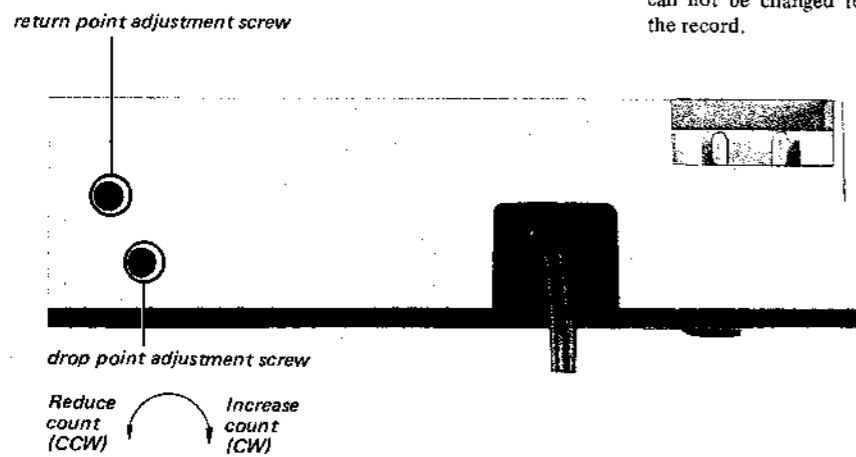
Drop Point Adjustment

1. Set the test record (YFSC-16) on the turn table.
2. Select the SPEED/SIZE selector switch to "30" cm and "33" rpm.
3. Turn on the POWER switch. The LED indicator lights.
4. Push the START/STOP switch.
5. The tone arm should lead in and play the record.
6. Adjust the drop point adjustment screw in such a way that the 30 cm record drop point is 7 to 15 counts.
7. Push the START/STOP switch and return the tone arm to the arm rest.
8. Select the SPEED/SIZE selector switch to "17" cm and "45" rpm.
9. Push the START/STOP switch.
10. The tone arm should move to the lead-in groove of 17 cm record and play the record. At this time, the 17 cm record drop point should be 6 to 24 counts. If the drop point is not in the above range, adjust the drop point adjustment screw again.
11. Select the SPEED/SIZE selector switch to "30" cm and "33" rpm again. Make sure that the 30 cm record drop point. Adjust the drop point if necessary.

Return Point Adjustment

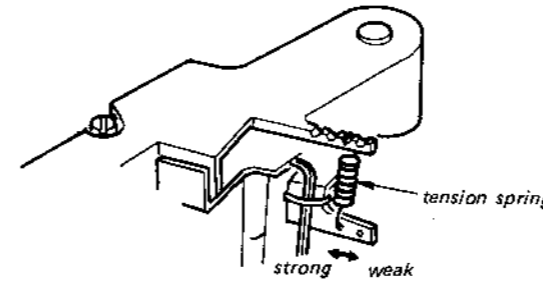
1. Put the return point adjustment record (Toshiba 8602-44, 45) on the turn table.
2. Select the SPEED/SIZE selector switch to "30" cm and "33" rpm.
3. Move the tone arm to the start position of the return point groove by hand.
4. Turn on the POWER switch. The LED indicator lights.
5. Push the START/STOP switch to play the record.
6. Adjust the return point adjustment screw in such a way that the tone arm returns at the 30 cm record return point  $16 \pm 1$  counts.
7. Select the SPEED/SIZE selector switch to "17" cm and "33" rpm. (The tone arm is on the arm rest.)
8. Move the tone arm to the start position of the 17 cm record return point groove by hand.
9. Push the START/STOP switch. The tone arm should down to the record groove and play the record.
10. The tone arm should stop playing the record and return to the arm rest at the 17 cm record return point  $25 \pm 2$  counts. Readjust the return point adjustment screw finely if necessary.
11. Select the SPEED/SIZE selector switch to "30" cm and "33" rpm. Make sure that the 30 cm record return point again.

**Caution:** If the record play is started under "30" cm selected by the SPEED/SIZE selector switch, the SPEED/SIZE selector switch can be changed from "30" cm to "17" cm during playing the record. However, if the record play is started under "17" cm, the SPEED/SIZE selector switch can not be changed to "30" cm during playing the record.



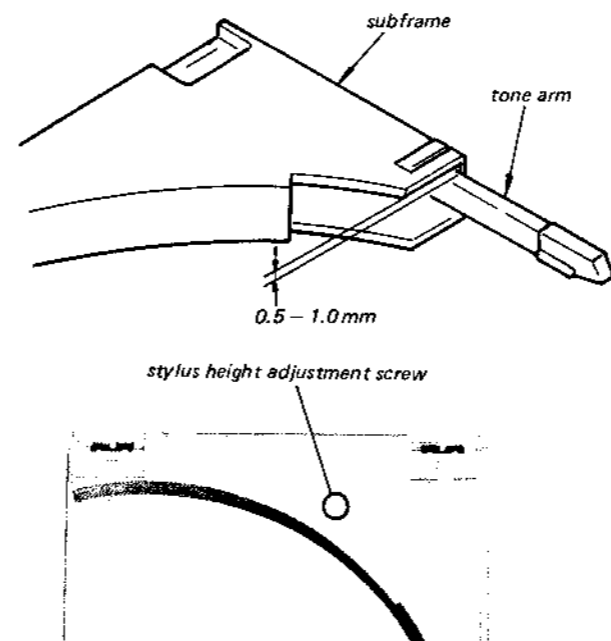
Stylus Pressure Adjustment

1. Turn on the POWER switch. Push the START/STOP switch to let the tone arm lead in.
2. Turn off the POWER switch.
3. Adjust the stylus pressure at the range of  $1.9 \pm 3$  g by changing the compression spring hooking position under the tone arm at horizontal.



Stylus Height Adjustment

1. The tone arm is on the arm rest and UP condition.
2. Adjust the clearance between the tone arm top surface and subframe inside surface by the stylus height adjustment screw to 0.5 - 1.0 mm.
3. After the adjustment 2. make sure that the tone arm top surface does not touch with the subframe inside surface by leading in and returning the tone arm.

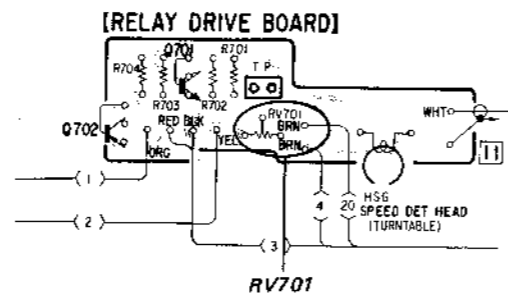
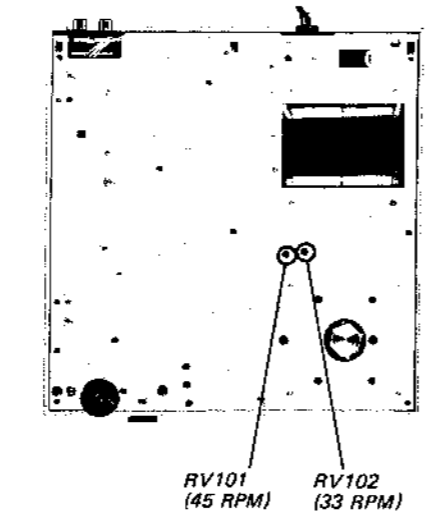


3-2. ELECTRICAL ADJUSTMENT

Speed Adjustment

1. Prepare the retainer block. Part no.: 4-885-128-00
2. Connect a frequency counter which has good sensitivity at low frequency to the check point E.
3. Select the SPEED/SIZE selector switch to "17" cm and "45" rpm.
4. Put a 17 cm record and the retainer block on the turn table and play the record under applying the suitable stylus pressure.
5. Adjust the potentiometer RV101 in such a way that the reading of frequency is 150.0 – 151.5 Hz.
6. Select the SPEED/SIZE selector switch to "30" cm and "45" rpm.
7. Put a 30 cm record and the retaining block on the turn table and play the record under applying the suitable stylus pressure.
8. Adjust the potentiometer RV701 in such a way that the reading of frequency is 150.0 – 151.5 Hz.
9. Select the SPEED/SIZE selector switch to "30" cm and "33" rpm. Play the record as same as 7. above.
10. Adjust the potentiometer RV102 in such a way that the reading of frequency is 110.0 – 112.0 Hz.

**Note:** The retaining block may be used after removing the dust cover. Refer to exploded view (page 18) and parts list (page 22).



point E

point A

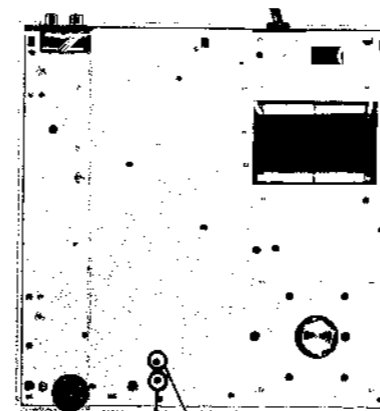
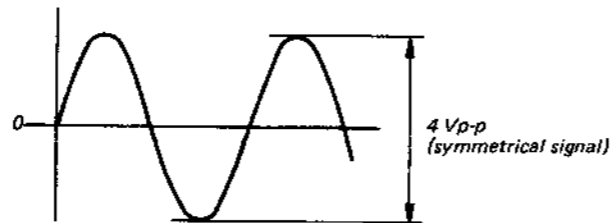
point C

point D

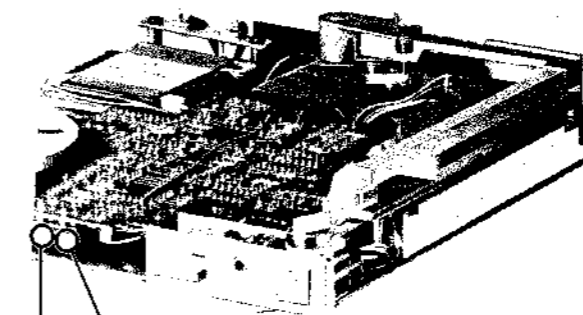
point B

Gain and Offset Adjustment

1. Select the SPEED/SIZE selector switch to "17" cm and "45" rpm under the player system is in STOP condition.
2. Apply about 0.8 VDC to the point A and adjust the DC output voltage to obtain a 1.5 VDC at the point B.
3. Adjust the potentiometers RV105 (gain adjustment) and RV103 (offset adjustment) in such a way that the output at the point C is 4 Vp-p.
4. Adjust the potentiometers RV106 (gain adjustment) and RV104 (offset adjustment) in such a way that the output at the point D is 4 Vp-p.

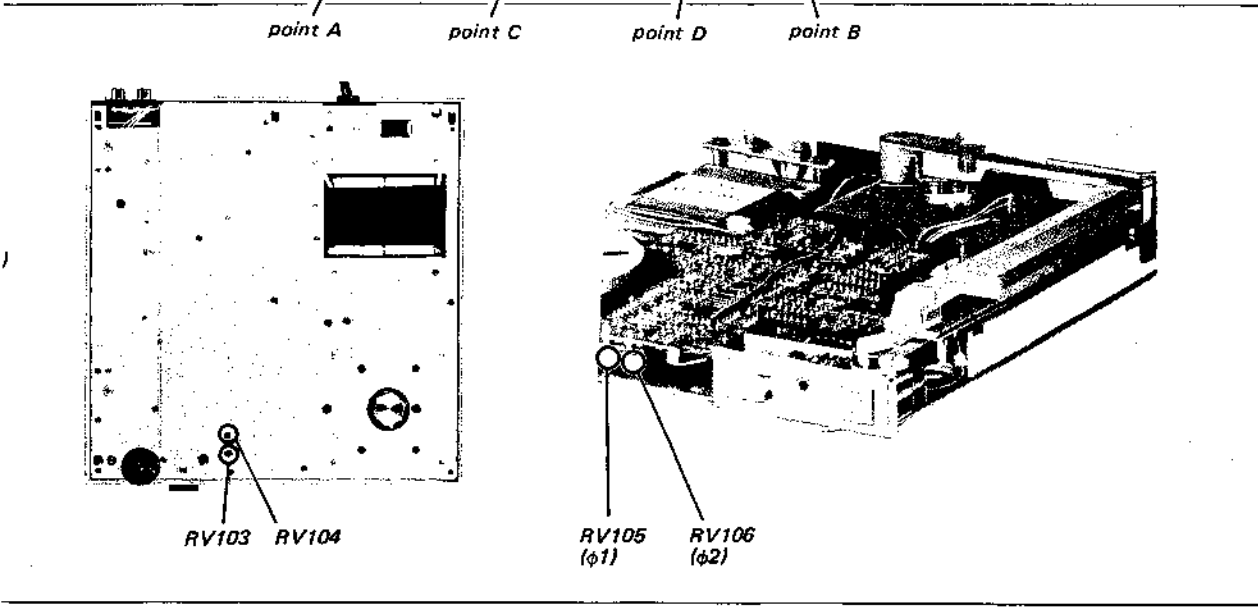
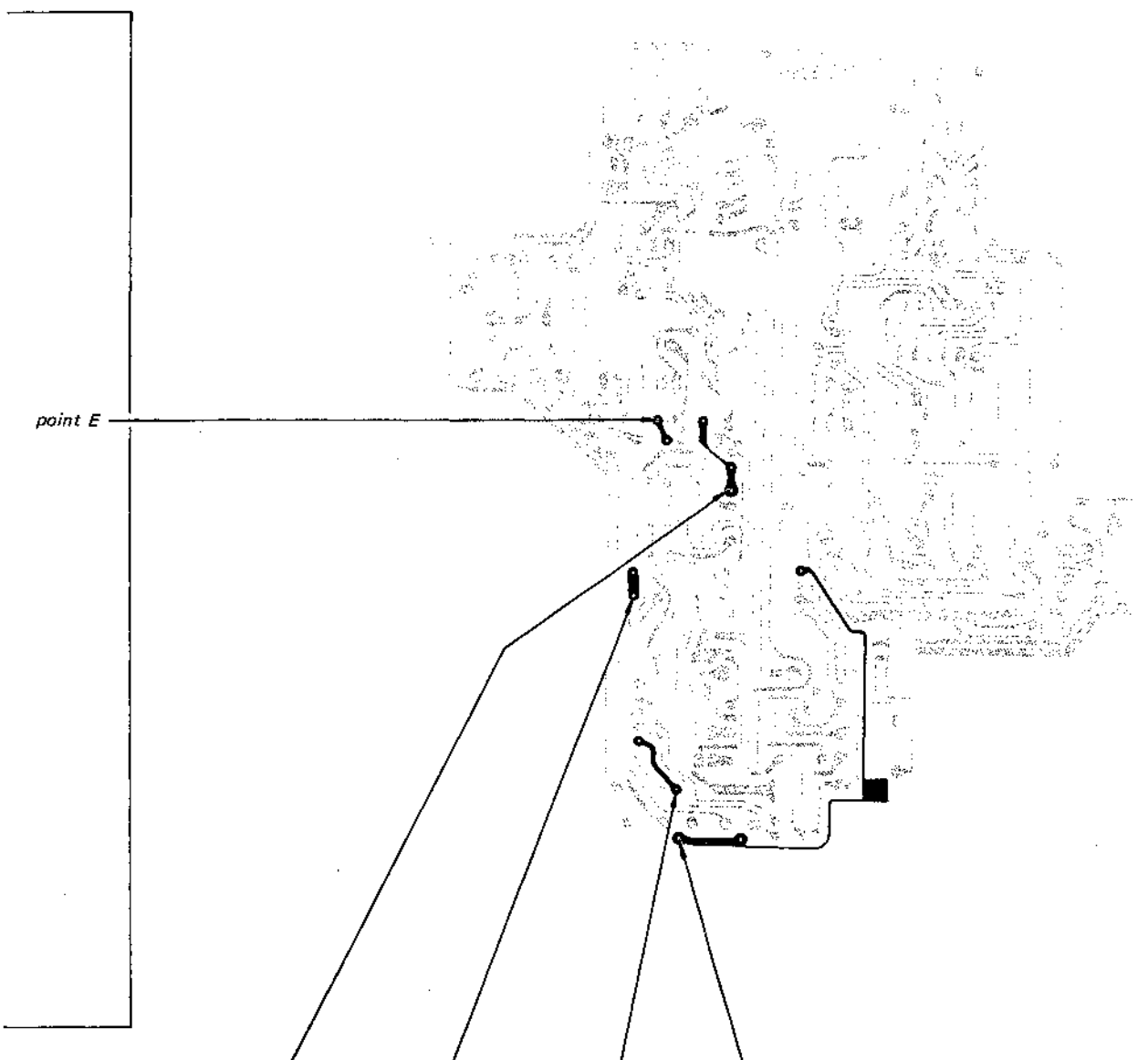


RV103 RV104



RV105 (phi1) RV106 (phi2)



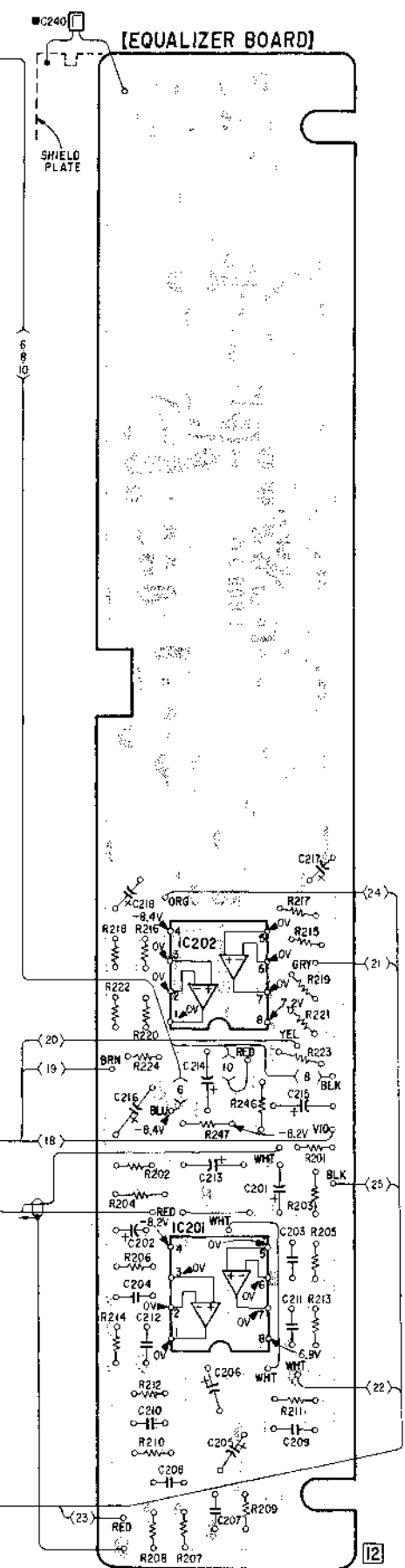
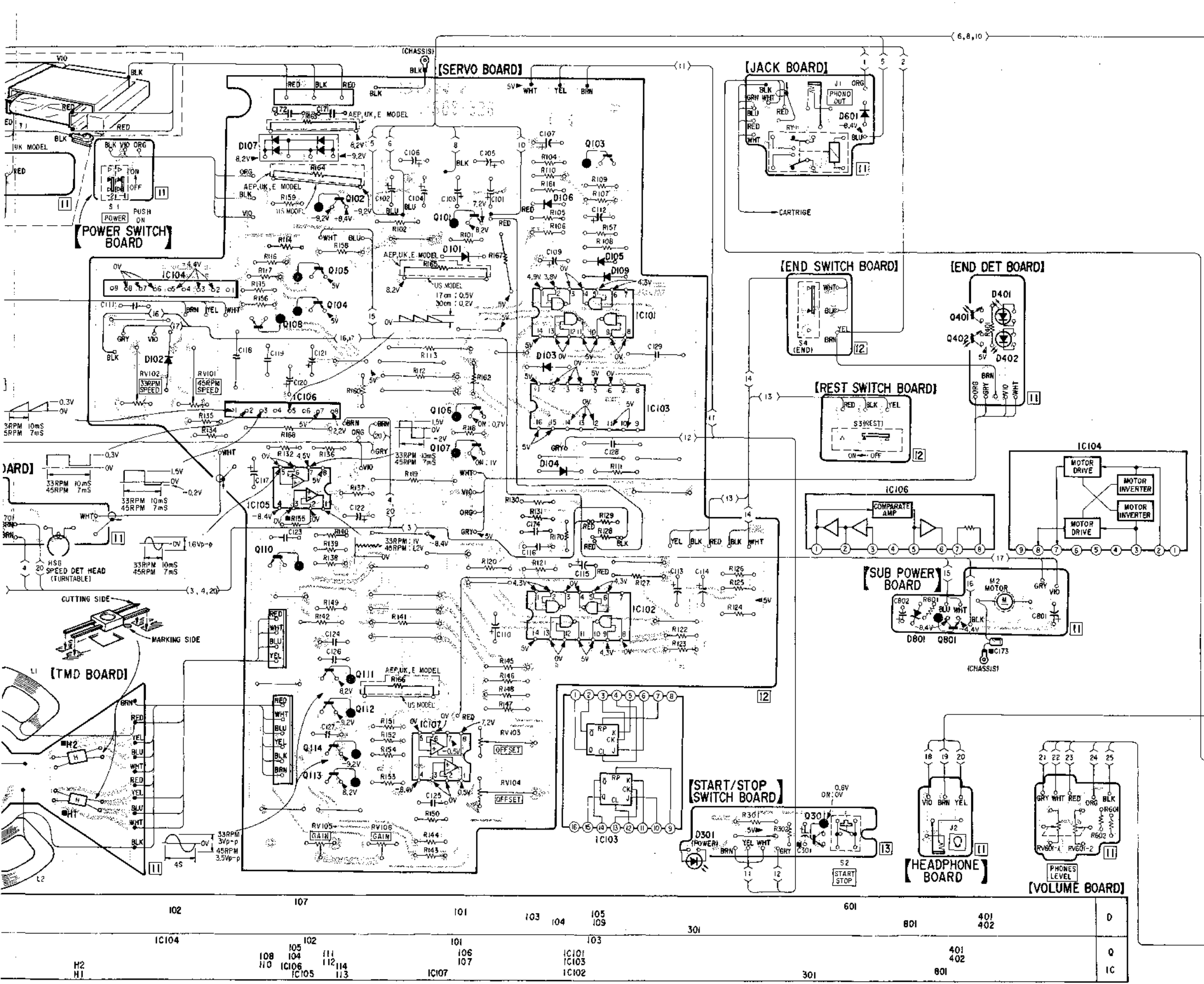


Semiconductor Lead Layouts

<p>MB84027B NJM2035D NJM4560D-D μPC4557C μPC4558C μPD4011BC</p>	<p>TLR124</p>
<p>BA6208</p>	<p>1S2268-17</p>
<p>CX-069-A</p>	<p>2SA1015</p>
<p>GL-9PG24</p>	<p>2SB733 2SD773</p>
<p>RD4, 3EB1T RD4, 7EB2 1SS119 1SS133</p>	<p>2SA1175 2SC2785</p>
<p>SLP135B</p>	<p>2SC536SP 2SC2458</p>
<p>SR110</p>	<p>2SC710</p>
<p>THS102</p>	<p>PH103</p>



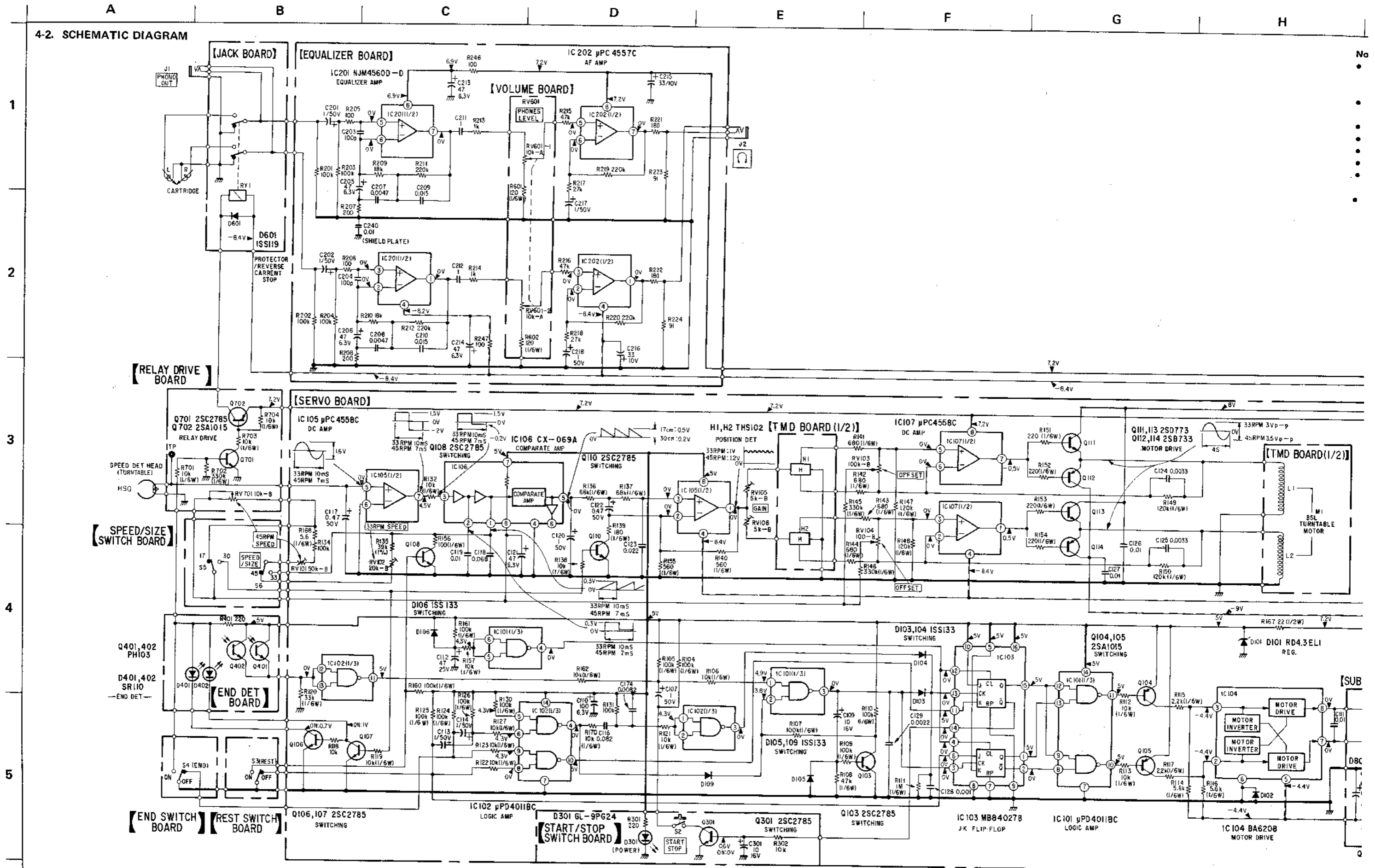
E F G H I J K L



D	Q	IC
		IC202
		IC201
D	Q	IC

PS-Q7 PS-Q7

4-2. SCHEMATIC DIAGRAM



E

F

G

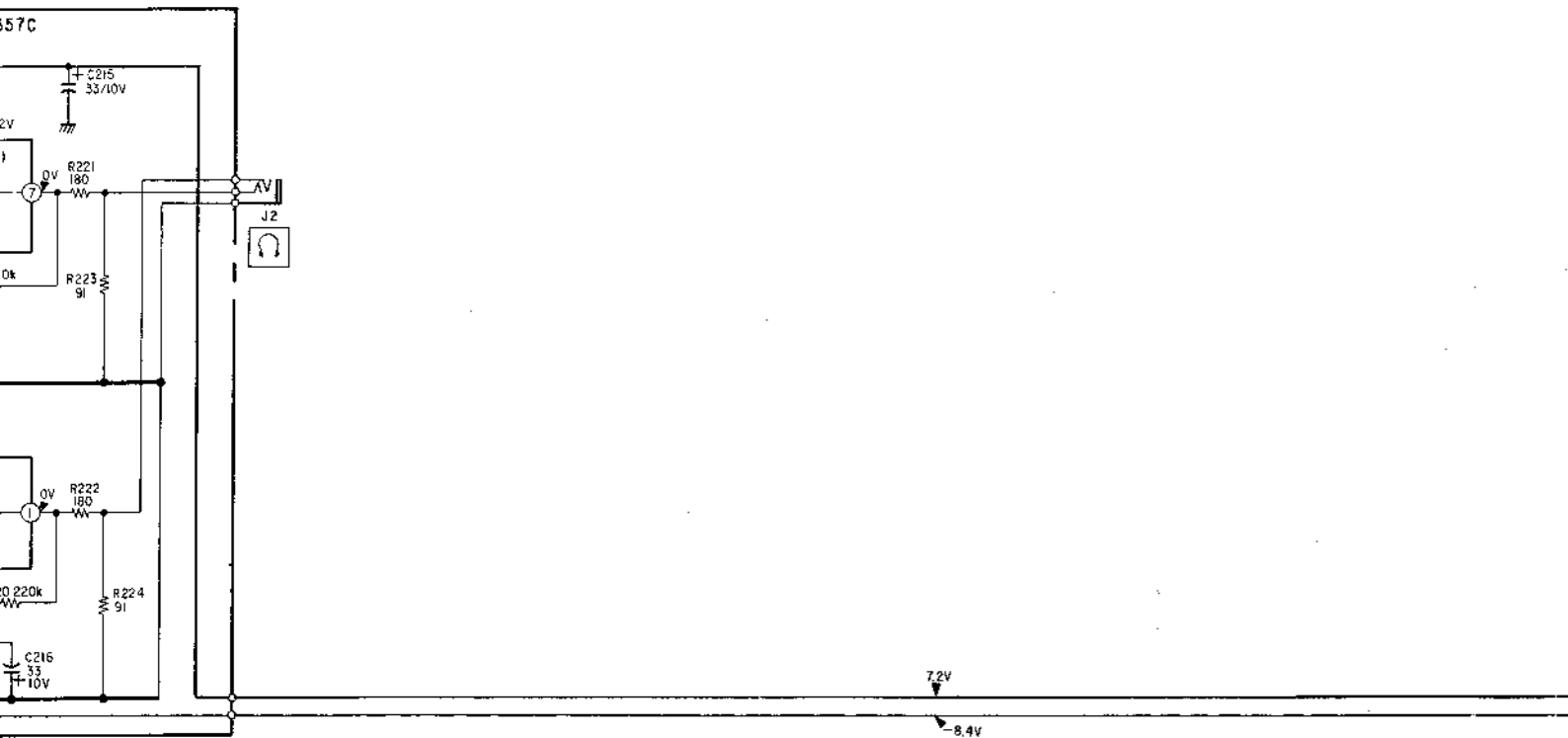
H

I

J

K

L



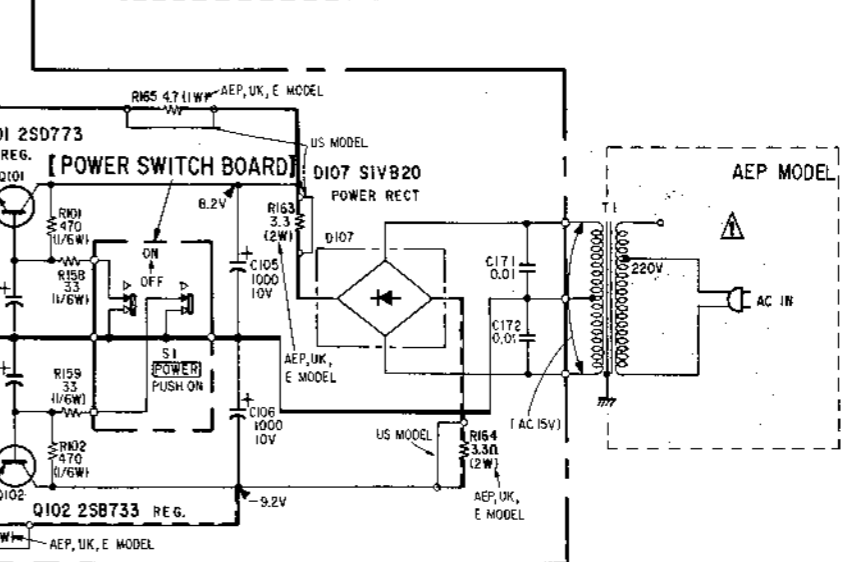
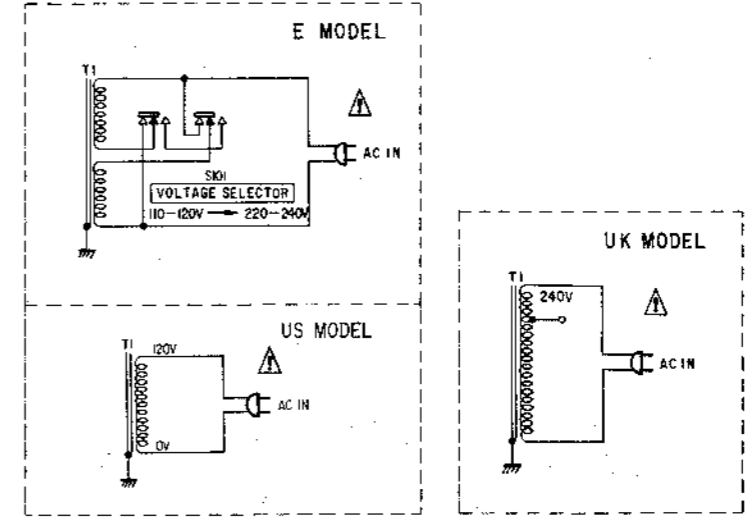
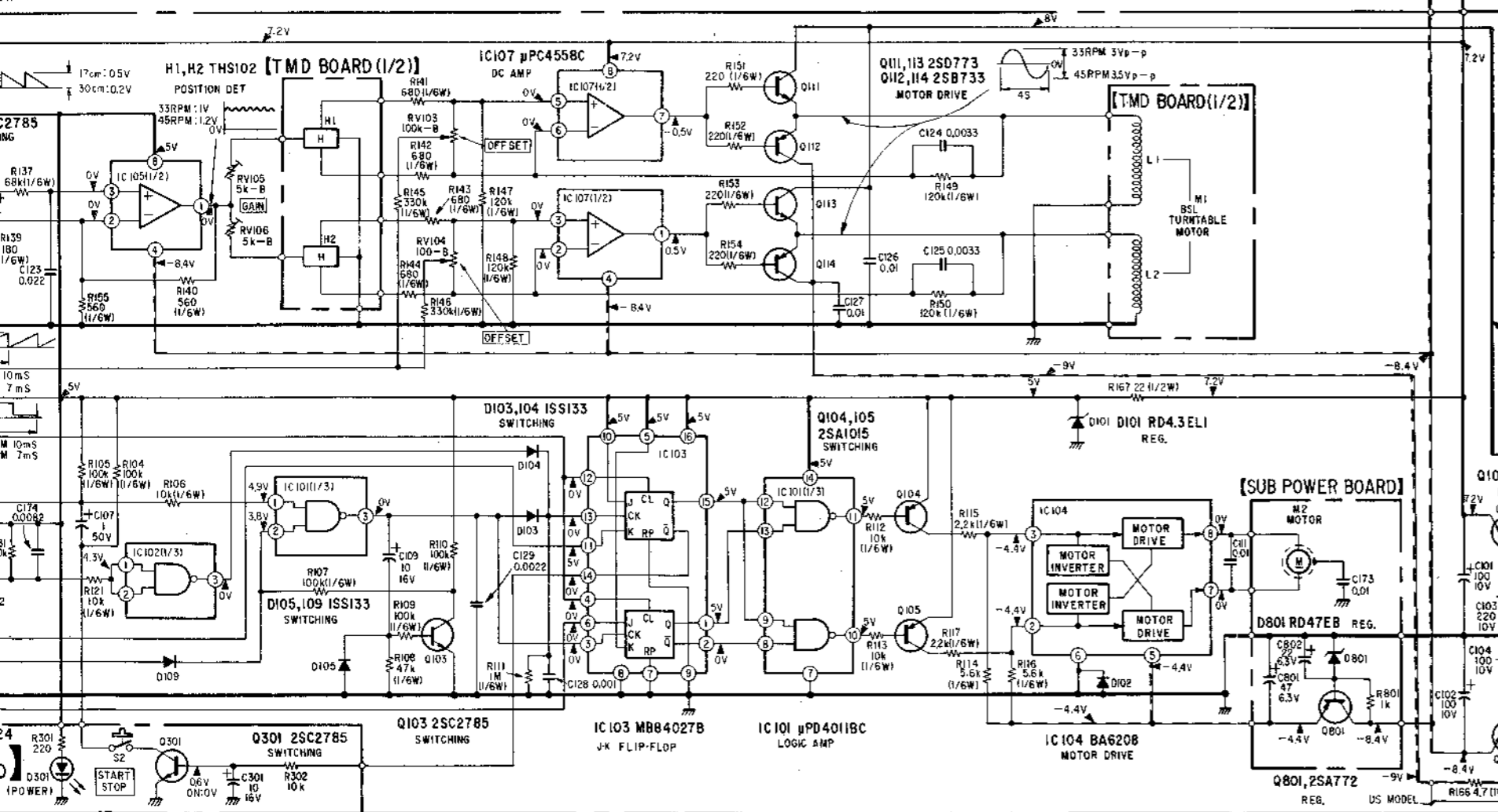
**Note:**

- All capacitors are in  $\mu\text{F}$  unless otherwise noted.  $\text{pF}$ :  $\mu\text{pF}$
- 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms,  $\frac{1}{4}\text{W}$  unless otherwise noted.
- $\text{k}\Omega$  : 1000  $\Omega$ ,  $\text{M}\Omega$  : 1000  $\text{k}\Omega$
- : panel designation.
- : adjustment for repair.
- : B+ bus.
- : B- bus.
- Readings are taken under no-signal conditions with a VOM (50  $\text{k}\Omega/\text{V}$ ).
- Switches

Ref. No.	Switch	Position
S1	POWER	OFF
S2	START/STOP	OFF
S3	REST	OFF
S4	END	OFF
S5	17 cm/30 cm	17 cm
S6	45 RPM/33 RPM	45 RPM

Note: Voltages are measured with a VOM (50k $\Omega$ /V).

Note: The components identified by shading and mark are critical for safety. Replace only with part number specified.







A

B

C

D

(4).

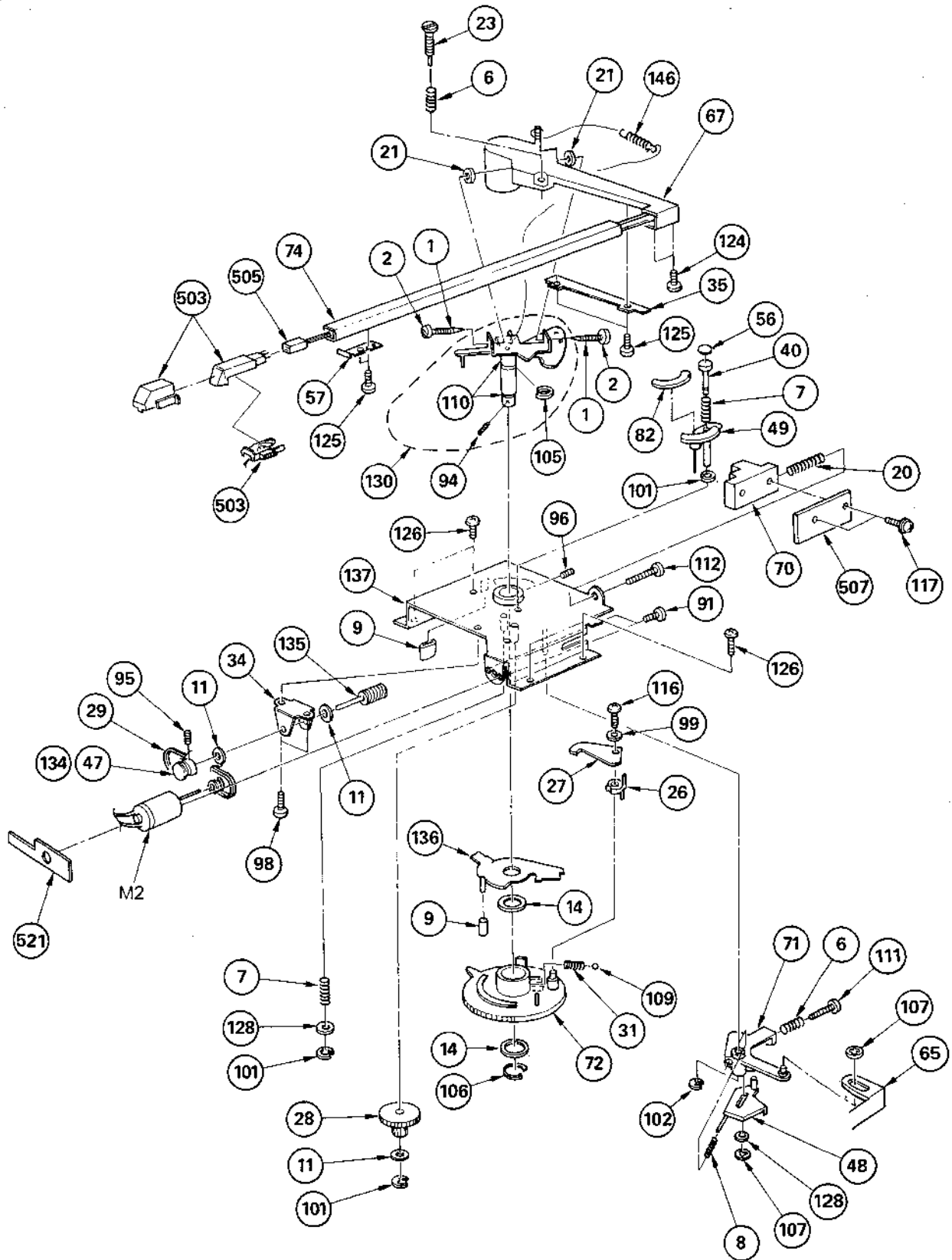
1

2

3

4

5





GENERAL SECTION

No.	Part No.	Description
1	2-203-518-61	SCREW, PIVOT
2	2-203-519-00	NUT (A), LOCK, PIVOT
3	2-229-507-00	W 2.6, PLASTIC
4	3-140-263-XX	SPRING, TENSION
5	3-423-147-00	SPACER (DIA.6)
6	3-549-887-00	SPRING, COIL, COMPRESSION
7	3-573-150-00	SPRING, COMPRESSION
8	3-576-098-00	SPRING, COMPRESSION
9	4-885-200-00	RUBBER (S1), BRAKE
10	3-654-056-00	SPACER (2.6X7)
11	3-701-437-21	WASHER
12	3-701-439-21	WASHER
13	3-701-443-21	WASHER, 5
14	3-701-448-21	WASHER, POLYETHYLENE
15	3-701-682-00	(E,US).....STOPPER, CORD
15	3-703-244-00	(AEP,UK)...BUSHING, CORD
16	3-701-690-00	(UK)...LABEL, MADE IN JAPAN
17	3-703-079-00	(UK)...LABEL, SUB-CAUTION
18	3-703-390-00	(UK)...LABEL, CAUTION
19	3-703-677-00	(UK)...LABEL, MAIN CAUTION
20	4-861-965-00	SPRING, COMPRESSION
21	4-863-604-00	BEARING, PIVOT
22	4-870-945-00	RING (P9), O
23	4-873-347-00	SHAFT, ADJUSTMENT, HEIGHT
24	4-874-245-00	SPACER, BEARING
25	4-878-410-00	NUT, PLATE
26	4-879-717-00	RESET BLOCK
27	4-879-718-00	CLUTCH, LEAD-IN
28	4-879-727-00	GEAR
29	4-879-751-00	BELT
30	4-879-761-11	HINGE
31	4-879-762-00	SPRING, COMPRESSION
32	4-881-683-00	(E)....LABEL, VOLTAGE
33	4-885-101-00	RUBBER, HOLDING, TRANSFORMER
34	4-885-103-00	SUPPORT, WORM SHAFT
35	4-885-106-00	PLATE, LONER, ARM
36	4-885-108-00	LEVER, SWITCH
37	4-885-109-00	CAP, ROTOR
38	4-885-110-00	SPACER
39	4-885-111-00	PLATE, ORNAMENTAL
40	4-885-117-00	SHAFT, BRAKE
41	4-885-121-00	NUT, ORNAMENTAL
42	4-885-122-00	SHAFT, RETAINER BLOCK
43	4-885-124-00	SHAFT, KNOB
44	4-885-125-00	BEARING, MOTOR
45	4-885-126-00	NUT

GENERAL SECTION

No.	Part No.	Description
46	4-885-128-00	RETAINER BLOCK
47	4-885-130-02	PULLEY
48	4-885-131-00	PLATE, ADJUSTMENT
49	4-885-132-00	BLOCK, UP AND DOWN
50	4-885-133-00	BUTTON, POWER
51	4-885-134-00	KNOB, SELECTOR
52	4-885-135-00	RETAINER, THRUST
53	4-885-136-00	BUTTON, S/S
54	4-885-137-00	SHEET, ROTOR
55	4-885-138-00	CUSHION
56	4-885-139-00	PAD, BRAKE
57	4-885-140-00	SPRING, LEAF
58	4-885-143-00	SPACER (A), LEG
59	4-885-144-00	SPACER (B), LEG
60	4-885-145-00	PIECE, ARM LOCK
61	4-885-146-00	KNOB, CONTROL
62	4-885-156-00	PLATE, HOLDING, TRANSFORMER
63	4-885-158-00	(AEP,UK)...BRACKET (B), POWER CORD
63	4-885-159-00	(E).....BRACKET (C), POWER CORD
63	4-885-107-00	(US).....BRACKET (A), POWER CORD
64	4-885-162-00	INSULATOR
65	4-885-163-00	LEVER, SELECT
66	4-885-164-00	BRACKET, CONTROL BLOCK
67	4-885-166-00	JOINT, PIPE
68	4-885-167-00	PANEL, CONTROL
69	4-885-168-00	ADAPTOR, 45
70	4-885-169-00	BLOCK, END ADJUSTMENT
71	4-885-170-00	LEVER, SELECTION
72	4-885-171-00	GEAR, CAM
73	4-885-172-00	CAM, SELECTION
74	4-885-173-00	PIPE, ARM
75	4-885-174-00	HOLDER, ADAPTOR
76	4-885-175-00	PLATE, SHIELD
77	4-885-176-00	FRAME, SUB
78	4-885-177-00	COVER, DUST
79	4-885-178-23	(US).....PLATE, BOTTOM
79	4-885-178-00	(AEP,UK)...PLATE, BOTTOM
79	4-885-178-11	(E).....PLATE, BOTTOM
80	4-885-181-11	FRAME
81	4-885-183-00	CUSHION (D)
82	4-885-184-00	FELT, UP AND DOWN
83	4-885-185-00	BAND, SHIELD
84	4-885-186-00	BEARING, RADIAL
85	4-885-187-00	PLATE (B), JACK

NOTE:

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- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.

CAPACITORS:

- All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers. MF: μF, PF: μμF.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.

- F : nonflammable

SEMICONDUCTORS

- In each case, U : μ, for example: UA...: μA..., UPA...: μPA..., UPC...: μPC, UPD...: μPD...

COILS

- MMH : mH, UH : μH

GENERAL SECTION

No.	Part No.	Description
86	4-885-188-00	PLATE (A), JACK
87	4-885-198-00	WASHER, FIBER
88	4-885-199-00	WASHER
89	4-885-201-00	(AEP)...LABEL, MODEL NUMBER
89	4-885-202-00	(UK)...LABEL, MODEL NUMBER
89	4-885-203-00	(E)...LABEL, MODEL NUMBER
89	4-885-207-00	(US)...LABEL, MODEL NUMBER
90	4-885-761-00	SPRING, COMPRESSION
91	7-621-255-25	SCREW +P 2X4
92	7-621-259-55	SCREW +P 2.6X8
93	7-621-260-05	SCREW +P 2.6X16
94	7-621-712-17	SET-SCREW, SLOT 2.6X2 CUP POINT
95	7-621-732-08	SET-SCT, HEX. 2X3 FLAT POINT
96	7-621-734-09	SET-SCT, HEX. 2.6X3
97	7-621-772-10	SCREW +B 2X4
98	7-621-775-10	SCREW +B 2.6X4
99	7-623-105-12	W 2, MIDDLE
100	7-623-507-01	LUG, 2.6
101	7-624-102-04	STOP RING 1.5, TYPE -E
102	7-624-104-04	STOP RING 2.0, TYPE -E
103	7-624-105-04	STOP RING 2.3, TYPE -E
104	7-624-109-04	STOP RING 5.0, TYPE -E
105	7-624-133-44	STOP RING 9, TYPE-CE
106	7-624-133-74	STOP RING 12, TYPE-CE
107	7-624-190-81	STOP RING 2, TYPE-CS
108	7-627-450-78	SCREW, PRECISION +K 1.7X4
109	7-671-113-01	STEEL, BALL 3
110	7-671-151-01	STAINLESS, BALL 1/16INCH
111	4-885-204-00	SCREW, OVAL POINT
112	7-682-151-01	SCREW +P 3X14
113	7-682-546-04	SCREW +B 3X5
114	7-682-546-09	SCREW +B 3X5
115	7-682-947-01	SCREW +PSW 3X6
116	7-685-102-21	SCREW +P 2X4 TYPE2 SLIT
117	7-685-104-11	SCREW +P 2X6 TYPE2 NON-SLIT
118	7-685-104-21	SCREW +P 2X6 TYPE2 SLIT
119	7-685-134-11	SCREW +P 2.6X8 TYPE2 NON-SLIT
120	7-685-138-11	SCREW +P 2.6X16 TYPE2 NON-SLIT
121	7-685-647-14	(AEP)...SCREW +BVTP 3X10 TYPE2 N-S
122	7-685-647-71	SCREW +BVTP 3X10 TYPE2 SLIT
123	7-685-647-79	(UK,E)...SCREW +BVTP 3X10 TYPE 2 SLIT
124	7-685-780-01	SCREW +PTT 2X3 (S)
125	7-685-799-04	SCREW +PTT 1.7X2.5
126	7-685-870-01	SCREW +BVTT 3X5 (S)
127	7-685-871-09	(E)...SCREW +BVTT 3X6
128	7-688-001-01	W 2, SMALL

GENERAL SECTION

No.	Part No.	Description
129	7-688-001-11	W 2, MIDDLE
130	A-4607-016-A	ROTARY BLOCK ASSY
131	A-4608-221-A	ROTOR ASSY
132	A-4608-226-A	FRAME SUB ASSY, MOTOR
133	.....	
134	X-3570-020-8	PULLEY ASSY, MOTOR
135	X-4879-712-0	WORM ASSY
136	X-4885-101-0	PLATE ASSY, LEAD-IN
137	X-4885-103-0	CHASSIS ASSY, SUB
138	X-4885-105-0	(AEP,UK)...CHASSIS ASSY (1)
138	X-4885-106-0	(E,US)...CHASSIS ASSY (2)
139	4-885-148-00	SHEET, ADHESIVE
140	4-885-149-00	SHEET, ADHESIVE
141	7-682-145-13	SCREW, +P 3X4
142	7-623-422-00	W3, EXTERNAL LOCK
143	4-885-197-00	PROTECTOR, TERMINAL
144	7-685-647-11	SCREW +BVTP 3X10 TYPE2 NON-SLIT
145	7-685-648-19	SCREW +BVTP 3X12 TYPE2 NON-SLIT
146	4-885-182-00	SPRING, COIL
147	4-885-133-11	SCREW +PTP 2.6X6 NON-SLIT
148	4-885-213-00	LABEL, STAND BY
149	3-703-677-00	(US)...LABEL, MAIN CAUTION

ACCESSORY & PACKING MATERIAL

No.	Part No.	Description
201	1-555-658-00	CORD, CONNECTION (RK-129)
202	3-701-630-00	BAG, POLYETHYLENE
203	3-703-165-00	(UK)...LABEL, UK
204	3-703-507-00	(UK)...LABEL, GUARANTEE
205	3-773-115-11	(AEP,UK,E)...MANUAL, INSTRUCTION; ENGLISH
206	3-773-115-41	(AEP)...MANUAL, INSTRUCTION; DUTCH/SWEDISH
207	3-848-514-00	BAG, PROTECTION
208	4-885-190-00	STOPPER, TONEARM
209	4-885-191-00	SPACER, TURNTABLE
210	4-885-192-00	SHEET, PROTECTION
211	4-885-193-00	SHEET, PROTECTION
212	4-885-205-00	CUSHION (FRONT)
213	4-885-206-00	CUSHION (REAR)
214	4-885 209-00	CARTON
215	3-773-115-21	(US)... MANUAL, INSTRUCTION
216	4-885-212-00	SPACER, TURNTABLE
217	4-885-197-00	PROTECTOR

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CAPACITORS:

- All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers.  
MF: μF, PF: μF.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.

- F : nonflammable

SEMICONDUCTORS

- In each case, U : μ, for example:  
UA...: μA..., UPA...: μPA..., UPC...: μPC,  
UPD...: μPD...

COILS

- MMH : mH, UH : μH

ELECTRICAL PARTS

Ref.No.	Part No.	Description
501	▲;1-508-800-13	U TYPE BASE POST 3P
502	▲;1-535-416-00	(AEP,UK)...TERMINAL
503	1-549-113-00	CARTRIDGE
504	▲.1-551-472-00	{E}....CORD, POWER
504	▲.1-551-884-00	{UK}....CORD, POWER
504	▲.1-551-908-00	{AEP}...CORD, POWER
504	▲.1-555-743-21	{E1}....CORD, POWER
504	▲ 1-551-506-XX	{US}....CORD, POWER
505	1-556-504-00	CONNECTOR, PLUG IN TYPE
506	▲;1-608-526-00	PC BOARD, SERVO SYSTEM CONTROL
507	▲;1-608-527-00	PC BOARD, END DETECT
508	▲;1-608-528-00	PC BOARD, SPEED SIZE
509	▲;1-608-529-00	PC BOARD, REST SW
510	▲;1-608-530-00	PC BOARD, END SW
511	▲;1-608-531-00	PC BOARD, START STOP SW
512	▲;1-608-532-00	PC BOARD, POWER SW
513	▲;1-608-533-00	PC BOARD, EQUALIZER
▲515	▲;1-608-536-00	PC BOARD, PRIMARY RELAYING
516	▲;1-608-537-00	PC BOARD, TMD
517	▲;1-608-538-00	PC BOARD, VOLUME
518	▲;1-608-539-00	PC BOARD, HEADPHONE
519	▲;1-608-853-12	PC BOARD, JACK
520	▲;1-608-854-12	PC BOARD, RELAY DRIVE
521	▲;1-609-329-00	PC BOARD, SUB POWER SUPPLY
522	▲;A-4619-194-A	MOUNTED PCB, SERVO
523	▲;A-4646-132-A	MOUNTED PCB, EQUALIZER
C118	1-130-881-00	FILM 0.068MF 5% 50V
C126	1-108-579-00	CAP, PE TEREPHTHALATE 0.01MF 5% 50V
C127	1-108-579-00	CAP, PE TEREPHTHALATE 0.01MF 5% 50V
C209	1-130-622-00	FILM 0.015MF 5% 50V
C210	1-130-622-00	FILM 0.015MF 5% 50V
C211	1-131-418-00	ELECT(SOLID) 1MF 20% 10V
C212	1-131-418-00	ELECT(SOLID) 1MF 20% 10V
▲CNP101	1-560-603-00	PIN, CONNECTOR 4P
▲CNP102	1-560-605-00	PIN, CONNECTOR 6P
▲CNP701	1-560-200-00	BASE POST, MCD CONNECTOR 2P
D101	8-719-150-16	DIODE RD4.3EB1T
D102	8-719-150-16	DIODE RD4.3EB1T
D103	8-719-901-33	DIODE 1SS133
D104	8-719-901-33	DIODE 1SS133
D105	8-719-901-33	DIODE 1SS133
D106	8-719-901-33	DIODE 1SS133
D107	▲.8-719-511-20	DIODE 1SVB20
D109	8-719-901-33	DIODE 1SS133
D301	8-719-903-15	DIODE GL-9PG24
D401	8-719-101-11	DIODE SR110
D402	8-719-101-11	DIODE SR110
D601	8-719-911-19	DIODE 1SS119

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**CAPACITORS:**

- All capacitors are in  $\mu$ F. Common capacitors are omitted. Refer to the following lists for their part numbers. MF: $\mu$ F, PF: $\mu$ F.

**RESISTORS**

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.

- F : nonflammable

**COILS**

- MMH : mH, UH :  $\mu$ H

ELECTRICAL PARTS

Ref.No.	Part No.	Description
H1	8-719-814-11	DIODE THS102
H2	8-719-814-11	DIODE THS102
HSG	1-543-093-00	HEAD
IC101	8-759-140-11	IC UPD4011BC
IC102	8-759-140-11	IC UPD4011BC
IC103	8-759-984-27	IC MB84027B
IC104	8-759-962-08	IC BA6208
IC105	8-759-145-58	IC UPC4558C
IC106	8-759-600-69	IC CX-069A
IC107	8-759-145-58	IC UPC4558C
IC201	8-759-745-61	IC NJM45600-D
IC202	8-759-145-57	IC UPC4557C
J1	1-507-688-41	JACK (STEREO PLUG)
J2	1-507-812-00	JACK
M2	1-541-217-00	MOTOR
Q101	8-760-335-10	TRANSISTOR 2SC1474
Q102	8-729-113-32	TRANSISTOR 2SB733
Q103	8-729-178-54	TRANSISTOR 2SC2785
Q104	8-729-201-52	TRANSISTOR 2SA1015
Q105	8-729-201-52	TRANSISTOR 2SA1015
Q106	8-729-178-54	TRANSISTOR 2SC2785
Q107	8-729-178-54	TRANSISTOR 2SC2785
Q108	8-729-178-54	TRANSISTOR 2SC2785
Q110	8-729-178-54	TRANSISTOR 2SC2785
Q111	8-729-178-54	TRANSISTOR 2SC2785
Q112	8-729-201-52	TRANSISTOR 2SA1015
Q113	8-729-178-54	TRANSISTOR 2SC2785
Q114	8-729-201-52	TRANSISTOR 2SA1015
Q201	8-729-178-54	TRANSISTOR 2SC2785
Q401	8-729-101-13	TRANSISTOR PH103-L
Q402	8-729-101-13	TRANSISTOR PH103-L
Q701	8-729-178-54	TRANSISTOR 2SC2785
Q702	8-729-201-52	TRANSISTOR 2SA1015
R101	1-247-823-00	CARBON 470 5% 1/6W
R102	1-247-823-00	CARBON 470 5% 1/6W
R104	1-247-879-00	CARBON 100K 5% 1/6W
R105	1-247-879-00	CARBON 100K 5% 1/6W
R106	1-247-855-00	CARBON 10K 5% 1/6W
R107	1-247-879-00	CARBON 100K 5% 1/6W
R108	1-247-871-00	CARBON 47K 5% 1/6W
R109	1-247-879-00	CARBON 100K 5% 1/6W
R110	1-247-879-00	CARBON 100K 5% 1/6W
R111	1-247-903-00	CARBON 1M 5% 1/6W
R112	1-247-855-00	CARBON 10K 5% 1/6W
R113	1-247-855-00	CARBON 10K 5% 1/6W

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

**SEMICONDUCTORS**

In each case, U :  $\mu$ , for example:  
 UA... :  $\mu$ A..., UPA... :  $\mu$ PA..., UPC... :  $\mu$ PC,  
 UPD... :  $\mu$ PD...

ELECTRICAL PARTS

Ref.No.	Part No.	Description				
R114	1-247-849-00	CARBON	5.6K	5%	1/6W	
R115	1-247-839-00	CARBON	2.2K	5%	1/6W	
R116	1-247-849-00	CARBON	5.6K	5%	1/6W	
R117	1-247-839-00	CARBON	2.2K	5%	1/6W	
R118	1-247-855-00	CARBON	10K	5%	1/6W	
R119	1-247-855-00	CARBON	10K	5%	1/6W	
R120	1-247-867-00	CARBON	33K	5%	1/6W	
R121	1-247-855-00	CARBON	10K	5%	1/6W	
R122	1-247-855-00	CARBON	10K	5%	1/6W	
R123	1-247-855-00	CARBON	10K	5%	1/6W	
R124	1-247-879-00	CARBON	100K	5%	1/6W	
R125	1-247-879-00	CARBON	100K	5%	1/6W	
R126	1-247-879-00	CARBON	100K	5%	1/6W	
R127	1-247-855-00	CARBON	10K	5%	1/6W	
R130	1-247-879-00	CARBON	100K	5%	1/6W	
R131	1-247-879-00	CARBON	100K	5%	1/6W	
R132	1-247-855-00	CARBON	10K	5%	1/6W	
R134	1-214-180-00	METAL	100K	1%	1/4W	
R135	1-214-170-00	METAL	39K	1%	1/4W	
R136	1-247-875-00	CARBON	68K	5%	1/6W	
R137	1-247-875-00	CARBON	68K	5%	1/6W	
R138	1-247-855-00	CARBON	10K	5%	1/6W	
R139	1-247-813-00	CARBON	180	5%	1/6W	
R140	1-247-825-00	CARBON	560	5%	1/6W	
R141	1-247-827-00	CARBON	680	5%	1/6W	
R142	1-247-827-00	CARBON	680	5%	1/6W	
R143	1-247-827-00	CARBON	680	5%	1/6W	
R144	1-247-827-00	CARBON	680	5%	1/6W	
R145	1-247-891-00	CARBON	330K	5%	1/6W	
R146	1-247-891-00	CARBON	330K	5%	1/6W	
R147	1-247-881-00	CARBON	120K	5%	1/6W	
R148	1-247-881-00	CARBON	120K	5%	1/6W	
R149	1-247-881-00	CARBON	120K	5%	1/6W	
R150	1-247-881-00	CARBON	120K	5%	1/6W	
R151	1-247-815-00	CARBON	220	5%	1/6W	
R152	1-247-815-00	CARBON	220	5%	1/6W	
R153	1-247-815-00	CARBON	220	5%	1/6W	
R154	1-247-815-00	CARBON	220	5%	1/6W	
R155	1-247-825-00	CARBON	560	5%	1/6W	
R156	1-247-807-00	CARBON	100	5%	1/6W	
R157	1-247-855-00	CARBON	10K	5%	1/6W	
R158	1-247-795-00	CARBON	33	5%	1/6W	
R159	1-247-795-00	CARBON	33	5%	1/6W	
R160	1-247-879-00	CARBON	100K	5%	1/6W	
R161	1-247-879-00	CARBON	100K	5%	1/6W	

ELECTRICAL PARTS

Ref.No.	Part No.	Description					
R162	1-247-855-00	CARBON	10K	5%	1/6W		
R163	△.1-206-451-00	{AEP,UK,E)...METAL	3.3	5%	2W	F	
R164	△.1-206-451-00	{AEP,UK,E)...METAL	3.3	5%	2W	F	
R165	△.1-212-368-00	{AEP,UK,E)...METAL	4.7	5%	1W	F	
R166	△.1-212-368-00	{AEP,UK,E)...METAL	4.7	5%	1W	F	
R167	1-244-833-00	CARBON	22	5%	1/2W		
R168	1-247-849-00	CARBON	5.6K	5%	1/6W		
R170	1-247-855-00	CARBON	10K	5%	1/6W		
R302	1-247-855-00	CARBON	10K	5%	1/6W		
R601	1-247-809-00	CARBON	120	5%	1/6W		
R602	1-247-809-00	CARBON	120	5%	1/6W		
R701	1-247-855-00	CARBON	10K	5%	1/6W		
R702	1-247-891-00	CARBON	330K	5%	1/6W		
R703	1-247-855-00	CARBON	10K	5%	1/6W		
R704	1-247-855-00	CARBON	10K	5%	1/6W		
RV101	1-228-239-00	RES, ADJ, METAL GLAZE	50K				
RV102	1-226-237-00	RES, ADJ, CARBON	20K				
RV103	1-226-239-00	RES, ADJ, CARBON	100K				
RV104	1-226-239-00	RES, ADJ, CARBON	100K				
RV105	1-226-430-00	RES, ADJ, CARBON	5K				
RV106	1-226-430-00	RES, ADJ, CARBON	5K				
RV601	1-228-169-00	RES, VAR, CARBON	10K/10K				
RV701	1-226-431-00	RES, ADJ, CARBON	10K				
RY1	1-515-495-00	RELAY					
SW1	1-553-909-00	SWITCH, PUSH					
SW2	1-553-856-00	SWITCH, KEY BOARD					
SW3	1-552-532-00	SWITCH, PUSH					
SW4	1-552-532-00	SWITCH, PUSH					
SW5	1-552-532-00	SWITCH, PUSH					
SW6	1-552-532-00	SWITCH, PUSH					
SW101	△.1-552-535-00	(E)...SWITCH, SLIDE					
T1	△.1-447-437-00	(E).....TRANSFORMER, POWER					
T1	△.1-447-438-00	{AEP,UK)...TRANSFORMER, POWER					
T1	△.1-447-435-00	{USI).....TRANSFORMER, POWER					

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CAPACITORS:

- All capacitors are in  $\mu$ F. Common capacitors are omitted. Refer to the following lists for their part numbers. MF: $\mu$ F, PF: $\mu$ Pf.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.

- F : nonflammable

COILS

- MMH : mH, UH :  $\mu$ H

The components identified by shading and mark △ are critical for safety. Replace only with part number specified.

SEMICONDUCTORS

- In each case, U :  $\mu$ , for example: UA...:  $\mu$ A..., UPA...:  $\mu$ PA..., UPC...:  $\mu$ PC, UPD...:  $\mu$ PD...

**ELECTROLYTIC CAPACITORS**

CAP. (μF)	RATING → : Use the high voltage rated one.					
	6.3 VOLT.	10 VOLT.	16 VOLT.	25 VOLT.	35 VOLT.	50 VOLT.
	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.
0.47					→	1-121-726-00
1.0					→	1-121-391-00
2.2					→	1-121-450-00
3.3	→			1-121-392-00	→	1-121-393-00
4.7	→			1-121-395-00	→	1-121-396-00
10	→		1-121-651-00	1-121-398-00	→	1-121-738-00
22	→		1-121-479-00	1-121-480-00	1-121-662-00	1-121-152-00
33	→		1-121-403-00	1-121-404-00	1-121-652-00	1-121-405-00
47	→	1-121-352-00	1-121-409-00	1-121-410-00	1-121-653-00	1-121-411-00
100	→	1-121-414-00	1-121-415-00	1-121-416-00	1-121-357-00	1-121-417-00
220	1-121-419-00	1-121-420-00	1-121-421-00	1-121-422-00	1-121-261-00	1-121-423-00
330	1-121-751-00	1-121-805-00	1-121-521-00	1-121-654-00	1-121-655-00	1-121-656-00
470	1-121-424-00	1-121-425-00	1-121-426-00	1-121-733-00	1-121-361-00	1-121-810-00
1000	-	1-121-736-00	1-121-245-00	1-121-657-00	1-121-388-00	1-123-061-00
2200	1-121-658-00	1-121-659-00	1-121-660-00	1-123-067-00	1-121-984-00	-
3300	1-121-661-00	1-123-075-00	1-123-071-00	-	-	-

CAP. (μF)	100 VOLT.	160 VOLT.	250 VOLT.	350 VOLT.
	PART No.	PART No.	PART No.	PART No.
0.47	-	-	-	-
1.0	1-123-249-00	1-123-252-00	1-123-003-00	1-121-168-00
2.2	1-123-250-00	1-123-026-00	-	1-123-028-00
3.3	1-121-995-00	-	1-123-004-00	1-123-006-00
4.7	1-123-255-00	1-121-246-00	1-121-759-00	1-123-007-00
10	1-121-126-00	1-121-999-00	1-123-254-00	1-123-008-00
22	1-121-996-00	1-123-253-00	1-123-005-00	1-123-022-00
33	1-121-997-00	1-121-757-00	-	-
47	1-123-251-00	1-121-919-00	-	-
100	1-123-084-00	-	-	-

**CERAMIC CAPACITORS**

CAP. (pF)	RATING						
	50 VOLT.	CAP. (pF)	50 VOLT.	CAP. (pF)	50 VOLT.	CAP. (μF)	50 VOLT.
	PART No.		PART No.		PART No.		PART No.
0.5	1-101-837-00	22	1-102-959-00	150	1-101-361-00	0.001	1-102-074-00
0.75	1-101-586-00	24	1-102-960-00	160	1-101-367-00	0.0012	1-102-118-00
1.0	1-102-934-00	27	1-102-961-00	180	1-102-976-00	0.0015	1-102-119-00
1.5	1-101-576-00	30	1-102-962-00	200	1-102-977-00	0.0018	1-102-120-00
2.0	1-102-935-00	33	1-102-963-00	220	1-102-978-00	0.0022	1-102-121-00
3	1-102-936-00	36	1-102-964-00	240	1-102-979-00	0.0027	1-102-122-00
4	1-102-937-00	39	1-102-965-00	270	1-102-980-00	0.0033	1-102-123-00
5	1-102-942-00	43	1-102-966-00	300	1-102-981-00	0.0039	1-102-124-00
6	1-102-943-00	47	1-101-880-00	330	1-102-820-00	0.0047	1-102-125-00
7	1-102-944-00	51	1-101-882-00	360	1-102-821-00	0.0056	1-102-126-00
8	1-102-945-00	56	1-101-884-00	390	1-102-822-00	0.0068	1-102-127-00
9	1-102-946-00	62	1-101-886-00	430	1-102-823-00	0.0082	1-102-128-00
10	1-102-947-00	68	1-101-888-00	470	1-102-824-00	0.01	1-102-129-00
11	1-102-948-00	75	1-101-890-00	510	1-101-059-00	0.022	1-101-005-00
12	1-102-949-00	82	1-102-971-00	560	1-102-115-00	0.047	1-101-006-00
13	1-102-950-00	91	1-102-972-00	680	1-102-116-00		
15	1-102-951-00	100	1-102-973-00	820	1-102-117-00		
16	1-102-952-00	110	1-102-815-00				
18	1-102-953-00	120	1-102-816-00				
20	1-102-958-00	130	1-101-081-00				

0.001μF = 1,000pF

**CERAMIC (SEMICONDUCTOR) CAPACITORS**

CAP. (μF)	RATING → : Use the high voltage rated one.				
	25 VOLT.	50 VOLT.	CAP. (μF)	25 VOLT.	50 VOLT.
	PART No.	PART No.		PART No.	PART No.
0.001	→	1-161-039-00	0.018	1-161-016-00	1-161-054-00
0.0012	→	1-161-040-00	0.022	1-161-017-00	1-161-055-00
0.0015		1-161-041-00	0.027	1-161-018-00	1-161-056-00
0.0018		1-161-042-00	0.033	1-161-019-00	1-161-057-00
0.0022		1-161-043-00	0.039	1-161-010-00	1-161-058-00
0.0027	→	1-161-044-00	0.047	1-161-021-00	1-161-059-00
0.0033	→	1-161-045-00	0.056	→	1-161-060-00
0.0039	→	1-161-046-00	0.068	→	1-161-061-00
0.0047	→	1-161-047-00	0.082	1-161-024-00	1-161-062-00
0.0056	→	1-161-048-00	0.1	1-161-025-00	1-161-063-00
0.0068	→	1-161-049-00			
0.0082	1-161-012-00	1-161-050-00			
0.01	1-161-013-00	1-161-051-00			
0.012	→	1-161-052-00			
0.015	1-161-015-00	1-161-053-00			

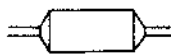
MYLAR CAPACITORS

CAP. (μF)	RATING													
	50 VOLT.			CAP. (μF)	100 VOLT.			200 VOLT.			CAP. (μF)	50 VOLT.		
	PART No.	PART No.	PART No.		PART No.	PART No.	PART No.	PART No.	PART No.	PART No.		PART No.	PART No.	
0.001	1-108-227-00	1-108-365-00	1-108-409-00	0.01	1-108-239-00	1-108-377-00	1-108-421-00	0.1	1-108-251-00	1-108-389-00	1-108-433-00			
0.0012	1-108-351-00	1-108-366-00	1-108-410-00	0.012	1-108-357-00	1-108-378-00	1-108-422-00	0.12	1-108-363-00	1-108-390-00	1-108-434-00			
0.0015	1-108-228-00	1-108-367-00	1-108-411-00	0.015	1-108-240-00	1-108-379-00	1-108-423-00	0.15	1-108-252-00	1-108-391-00	1-108-435-00			
0.0018	1-108-352-00	1-108-368-00	1-108-412-00	0.018	1-108-358-00	1-108-380-00	1-108-424-00	0.18	1-108-364-00	1-108-392-00	1-108-436-00			
0.0022	1-108-230-00	1-108-369-00	1-108-413-00	0.022	1-108-242-00	1-108-381-00	1-108-425-00	0.22	1-108-254-00	1-108-393-00	1-108-437-00			
0.0027	1-108-353-00	1-108-370-00	1-108-414-00	0.027	1-108-359-00	1-108-382-00	1-108-426-00	0.27	1-108-354-00	-	-			
0.0033	1-108-232-00	1-108-371-00	1-108-415-00	0.033	1-108-244-00	1-108-383-00	1-108-427-00	0.33	1-108-355-00	-	-			
0.0039	1-108-354-00	1-108-372-00	1-108-416-00	0.039	1-108-360-00	1-108-384-00	1-108-428-00	0.39	1-108-356-00	-	-			
0.0047	1-108-234-00	1-108-373-00	1-108-417-00	0.047	1-108-246-00	1-108-385-00	1-108-429-00	0.47	1-108-357-00	-	-			
0.0056	1-108-355-00	1-108-374-00	1-108-418-00	0.056	1-108-361-00	1-108-386-00	1-108-430-00	-	-	-	-			
0.0068	1-108-237-00	1-108-375-00	1-108-419-00	0.068	1-108-249-00	1-108-387-00	1-108-431-00	-	-	-	-			
0.0082	1-108-356-00	1-108-376-00	1-108-420-00	0.082	1-108-362-00	1-108-388-00	1-108-432-00	-	-	-	-			



TANTALUM CAPACITORS

CAP. (μF)	RATING → Use the high voltage rated one.						
	3.15 VOLT.	6.3 VOLT.	10 VOLT.	16 VOLT.	20 VOLT.	25 VOLT.	35 VOLT.
	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.
0.01					→	→	1-131-396-00
0.015					→	→	1-131-397-00
0.022					→	→	1-131-398-00
0.033					→	→	1-131-399-00
0.047					→	→	1-131-400-00
0.068					→	→	1-131-401-00
0.1					→	→	1-131-402-00
0.15					→	→	1-131-403-00
0.22					→	→	1-131-404-00
0.33					→	→	1-131-405-00
0.47	-	-	-	-	1-131-412-00	→	1-131-406-00
0.68	-	-	-	1-131-415-00	→	1-131-410-00	1-131-407-00
1.0	-	-	1-131-418-00	-	1-131-413-00	→	1-131-408-00
1.5	-	1-131-421-00	-	1-131-416-00	→	1-131-411-00	1-131-348-00
2.2	1-131-424-00	-	1-131-419-00	-	1-131-414-00	1-131-355-00	1-131-349-00
3.3	-	1-131-422-00	-	1-131-417-00	1-131-362-00	1-131-356-00	1-131-350-00
4.7	1-131-425-00	-	1-131-420-00	1-131-369-00	1-131-363-00	1-131-357-00	1-131-351-00
6.8	-	1-131-423-00	1-131-376-00	1-131-370-00	1-131-364-00	1-131-358-00	1-131-352-00
10	1-131-426-00	1-131-383-00	1-131-377-00	1-131-371-00	1-131-365-00	1-131-359-00	1-131-353-00
15	1-131-390-00	1-131-384-00	1-131-378-00	1-131-372-00	1-131-366-00	1-131-360-00	-
22	1-131-391-00	1-131-385-00	1-131-379-00	1-131-373-00	1-131-367-00	-	-
33	1-131-392-00	1-131-386-00	1-131-380-00	1-131-374-00	-	-	-
47	1-131-393-00	1-131-387-00	1-131-381-00	-	-	-	-
68	1-131-394-00	1-131-388-00	-	-	-	-	-
100	1-131-395-00	-	-	-	-	-	-



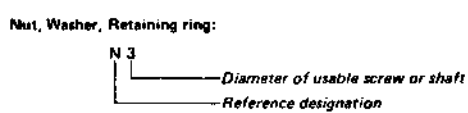
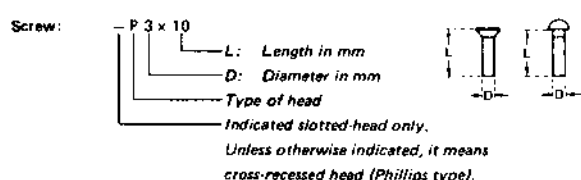
TANTALUM CAPACITORS













CAP. (μF)	RATING					
	3 VOLT.	6.3 VOLT.	10 VOLT.	16 VOLT.	20 VOLT.	35 VOLT.
	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.
0.033						1-131-273-00
0.047						1-131-274-00
0.068						1-131-275-00
0.1						1-131-276-00
0.15						1-131-277-00
0.22			-	-	1-131-262-00	1-131-278-00
0.33			-	-	1-131-263-00	1-131-279-00
0.47			1-131-169-00	-	1-131-264-00	1-131-280-00
0.68			-	1-131-258-00	1-131-265-00	1-131-281-00
1.0			1-131-254-00	-	1-131-266-00	1-131-282-00
1.5		1-131-250-00	-	-	1-131-267-00	1-131-283-00
2.2		-	-	1-131-259-00	1-131-268-00	1-131-284-00
3.3		-	1-131-255-00	-	1-131-269-00	-
4.7		1-131-251-00	1-131-171-00	-	1-131-270-00	-
6.8		-	-	1-131-260-00	1-131-271-00	-
10	-	-	1-131-256-00	-	1-131-272-00	-
15	-	1-131-252-00	-	1-131-261-00	-	-
22	-	-	1-131-257-00	-	-	-
33	1-131-176-00	1-131-253-00	1-131-173-00	-	-	-
47	1-131-288-00	1-131-174-00	-	-	-	-
100	1-131-177-00	-	-	-	-	-














1/4 WATT CARBON RESISTORS

Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.	Ω	Part No.
1.0	1-246-401-00	10	1-246-425-00	100	1-246-449-00	1.0k	1-246-473-00	10k	1-246-497-00	100k	1-246-521-00	1.0M	1-246-545-00
1.1	1-246-402-00	11	1-246-426-00	110	1-246-450-00	1.1k	1-246-474-00	11k	1-246-498-00	110k	1-246-522-00	1.1M	1-210-814-00
1.2	1-246-403-00	12	1-246-427-00	120	1-246-451-00	1.2k	1-246-475-00	12k	1-246-499-00	120k	1-246-523-00	1.2M	1-210-815-00
1.3	1-246-404-00	13	1-246-428-00	130	1-246-452-00	1.3k	1-246-476-00	13k	1-246-500-00	130k	1-246-524-00	1.3M	1-210-816-00
1.5	1-246-405-00	15	1-246-429-00	150	1-246-453-00	1.5k	1-246-477-00	15k	1-246-501-00	150k	1-246-525-00	1.5M	1-210-817-00
1.6	1-246-406-00	16	1-246-430-00	160	1-246-454-00	1.6k	1-246-478-00	16k	1-246-502-00	160k	1-246-526-00	1.6M	1-210-818-00
1.8	1-246-407-00	18	1-246-431-00	180	1-246-455-00	1.8k	1-246-479-00	18k	1-246-503-00	180k	1-246-527-00	1.8M	1-210-819-00
2.0	1-246-408-00	20	1-246-432-00	200	1-246-456-00	2.0k	1-246-480-00	20k	1-246-504-00	200k	1-246-528-00	2.0M	1-210-820-00
2.2	1-246-409-00	22	1-246-433-00	220	1-246-457-00	2.2k	1-246-481-00	22k	1-246-505-00	220k	1-246-529-00	2.2M	1-210-821-00
2.4	1-246-410-00	24	1-246-434-00	240	1-246-458-00	2.4k	1-246-482-00	24k	1-246-506-00	240k	1-246-530-00	2.4M	1-244-754-00
2.7	1-246-411-00	27	1-246-435-00	270	1-246-459-00	2.7k	1-246-483-00	27k	1-246-507-00	270k	1-246-531-00	2.7M	1-244-755-00
3.0	1-246-412-00	30	1-246-436-00	300	1-246-460-00	3.0k	1-246-484-00	30k	1-246-508-00	300k	1-246-532-00	3.0M	1-244-756-00
3.3	1-246-413-00	33	1-246-437-00	330	1-246-461-00	3.3k	1-246-485-00	33k	1-246-509-00	330k	1-246-533-00	3.3M	1-244-757-00
3.6	1-246-414-00	36	1-246-438-00	360	1-246-462-00	3.6k	1-246-486-00	36k	1-246-510-00	360k	1-246-534-00	3.6M	1-244-758-00
3.9	1-246-415-00	39	1-246-439-00	390	1-246-463-00	3.9k	1-246-487-00	39k	1-246-511-00	390k	1-246-535-00	3.9M	1-244-759-00
4.3	1-246-416-00	43	1-246-440-00	430	1-246-464-00	4.3k	1-246-488-00	43k	1-246-512-00	430k	1-246-536-00	4.3M	1-244-760-00
4.7	1-246-417-00	47	1-246-441-00	470	1-246-465-00	4.7k	1-246-489-00	47k	1-246-513-00	470k	1-246-537-00	4.7M	1-244-761-00
5.1	1-246-418-00	51	1-246-442-00	510	1-246-466-00	5.1k	1-246-490-00	51k	1-246-514-00	510k	1-246-538-00	5.1M	1-244-762-00
5.6	1-246-419-00	56	1-246-443-00	560	1-246-467-00	5.6k	1-246-491-00	56k	1-246-515-00	560k	1-246-539-00		
6.2	1-246-420-00	62	1-246-444-00	620	1-246-468-00	6.2k	1-246-492-00	62k	1-246-516-00	620k	1-246-540-00		
6.8	1-246-421-00	68	1-246-445-00	680	1-246-469-00	6.8k	1-246-493-00	68k	1-246-517-00	680k	1-246-541-00		
7.5	1-246-422-00	75	1-246-446-00	750	1-246-470-00	7.5k	1-246-494-00	75k	1-246-518-00	750k	1-246-542-00		
8.2	1-246-423-00	82	1-246-447-00	820	1-246-471-00	8.2k	1-246-495-00	82k	1-246-519-00	820k	1-246-543-00		
9.1	1-246-424-00	91	1-246-448-00	910	1-246-472-00	9.1k	1-246-496-00	91k	1-246-520-00	910k	1-246-544-00		

HARDWARE NOMENCLATURE



Reference Designation	Shape	Description	Remarks
<b>SCREWS</b>			
P		pan-head screw	binding-head (B) screw for replacement
PWH		pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS PSP		pan-head screw with spring washer	binding-head (B) screw and spring washer for replacement
PSW PSPW		pan-head screw with spring and flat washers	binding-head (B) screw and spring and flat washers for replacement
R		round-head screw	binding-head (B) screw for replacement
K		flat-countersunk-head screw	
RK		oval-countersunk-head screw	
B		binding-head screw	
T		truss-head screw	binding-head (B) screw for replacement
F		flat-fillister-head screw	
RF		fillister-head screw	
BV		brazier-head screw	

Reference Designation	Shape	Description	Remarks
<b>SELF-TAPPING SCREWS</b>			
TA		self-tapping screw	ex: TA, P 3 x 10
PTP		pan-head self-tapping screw	binding-head self-tapping (TA, B) screw for replacement
PTPWH		pan-head self-tapping screw with washer face	binding-head self-tapping (TA, B) screw and flat washer for replacement
PTTWH		pan-head thread-rolling screw with washer face	binding-head (B) screw and flat washer for replacement
<b>SET SCREWS</b>			
SC		set screw	
SC		hexagon-socket set screw	ex: SC 2.6 x 4, hexagon socket
<b>NUT</b>			
N		nut	
<b>WASHERS</b>			
W		flat washer	
SW		spring washer	
LW		internal-tooth lock washer	ex: LW3, internal
LW		external-tooth lock washer	ex: LW3, external
<b>RETAINING RINGS</b>			
E		retaining ring	
G		grip-type retaining ring	

Sony Corporation  
Consumer Products Group  
Technical Support Dept.

English  
82K06146-1  
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# STEREO TURNTABLE SYSTEM

# PS-Q7

PS-Q7

SUPPLEMENT No. 2

## SUPPLEMENT

*US Model*  
(Serial No. 801001 and later)

*AEP Model*  
(Serial No. 502501 and later)

*UK Model*  
(Serial No. 600801 and later)

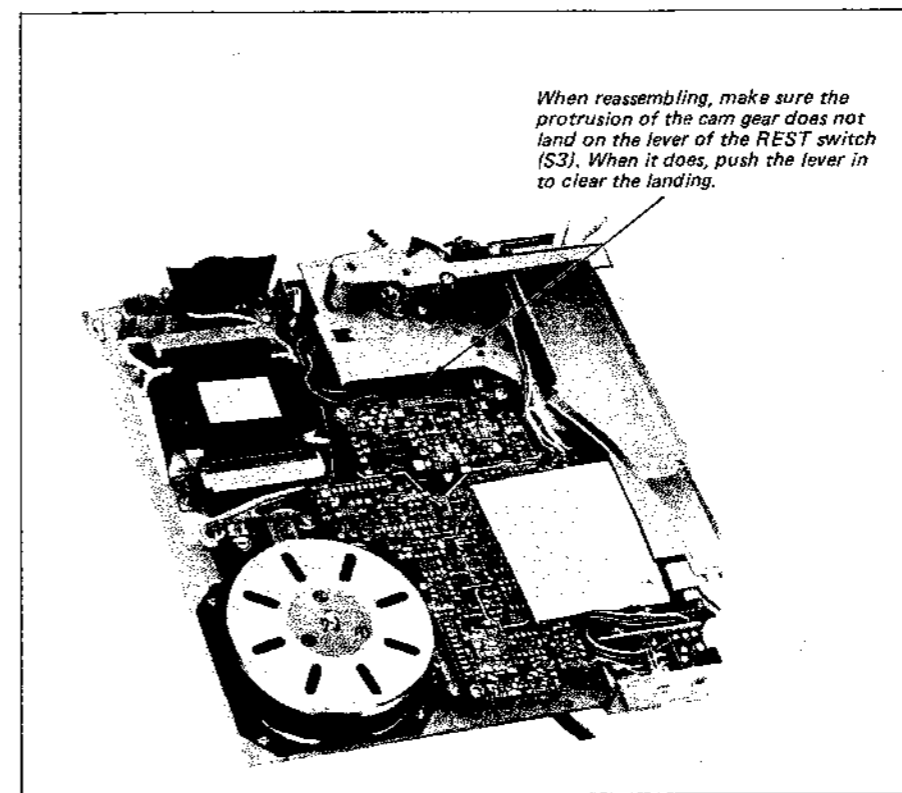
*E Model*  
(Serial No. 302901 and later)

No. 2  
April, 1983

SUBJECT: CHANGES ON ELECTRICAL ADJUSTMENTS, BLOCK, MOUNTING AND SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND PARTS LIST DUE TO UTILIZATION OF A MICROCOMPUTER CHIP AND TWO DIFFERENT PANELCOLOR VARIATIONS.

File this supplement with the service manual.

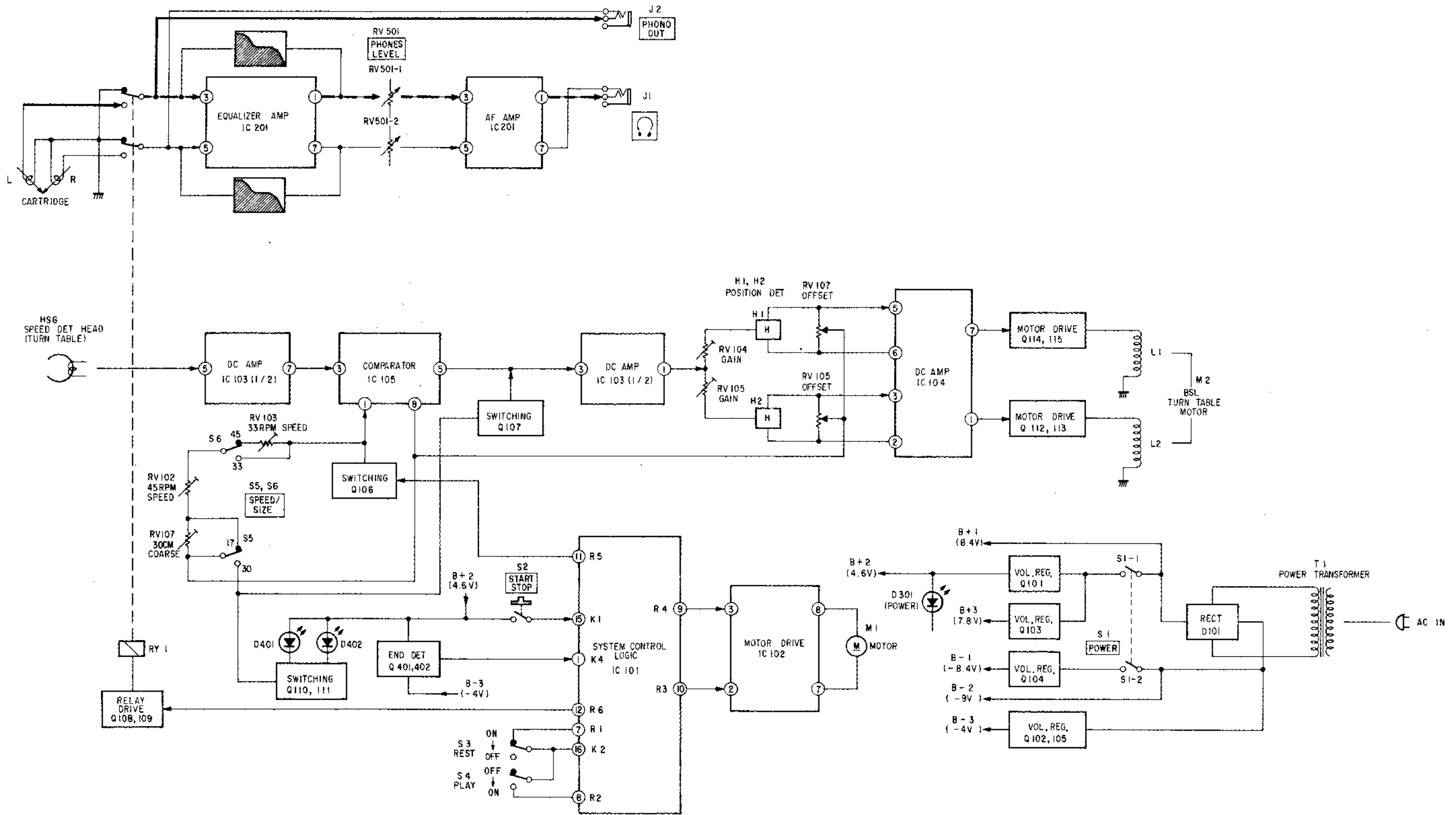
### 1. NOTE ON REASSEMBLING CAM GEAR



**SONY**  
SERVICE MANUAL



2. BLOCK DIAGRAM

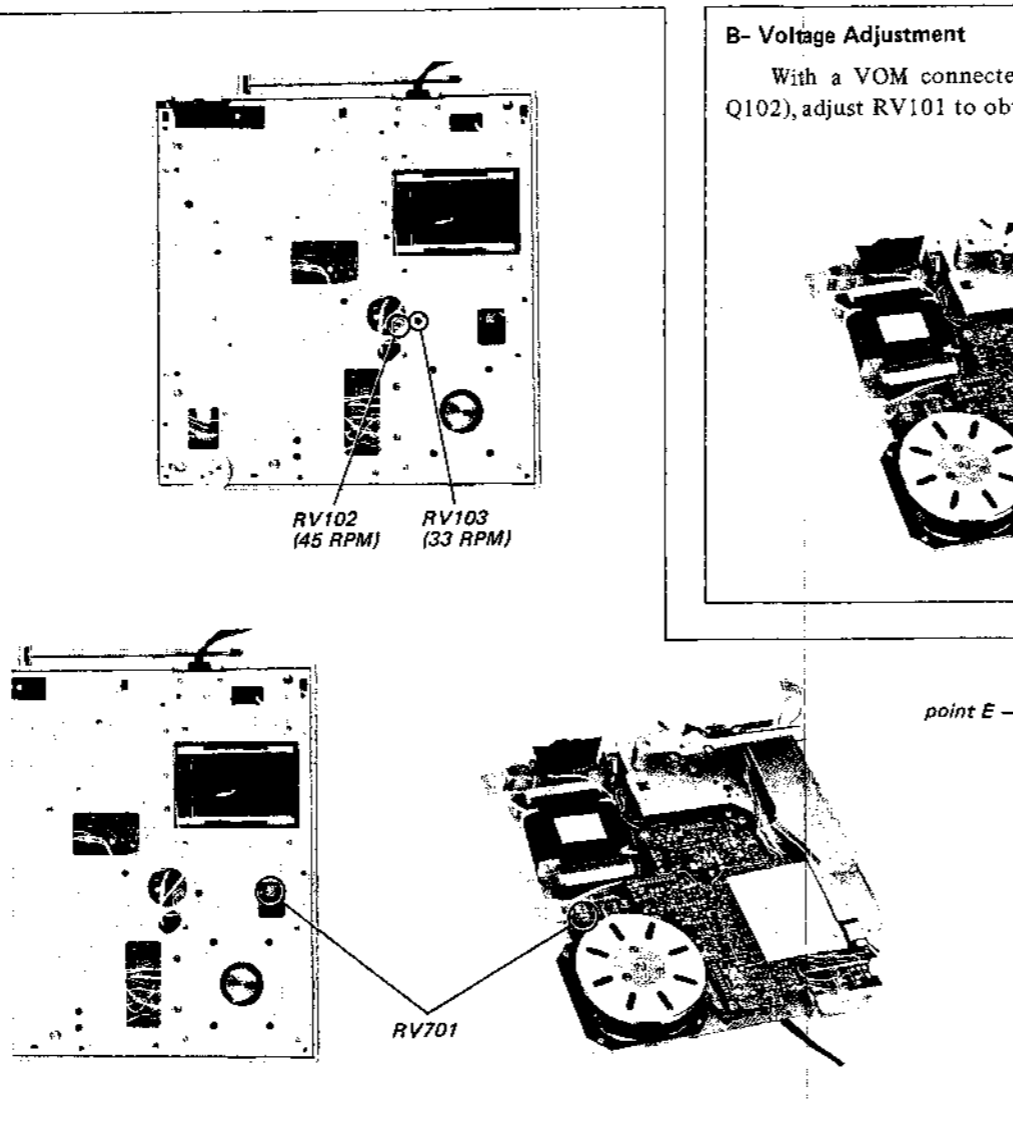


3-1. ELECTRICAL ADJUSTMENTS

Speed Adjustment

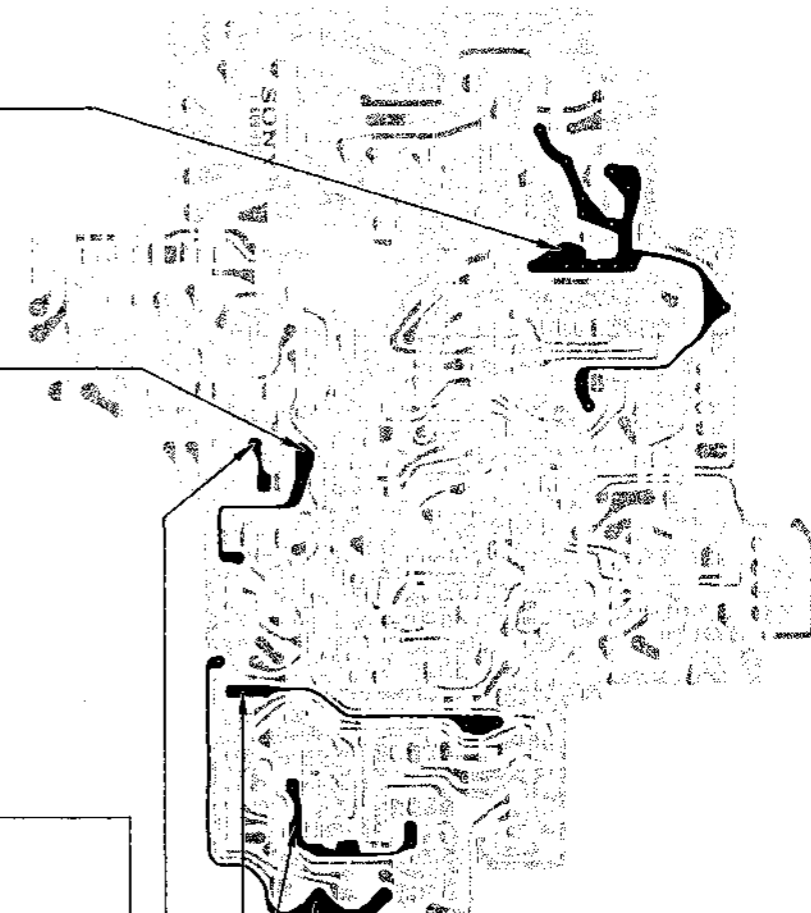
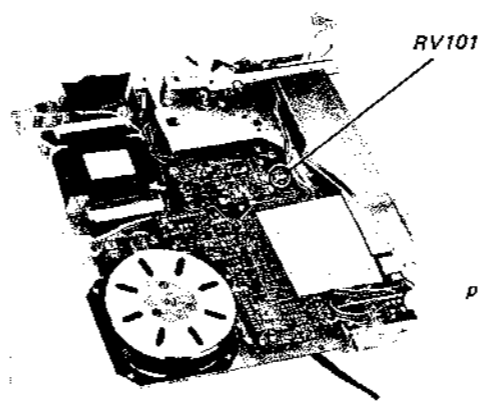
1. Prepare the retainer block, Part no.: 4-885-128-00
2. Connect a frequency counter which has good sensitivity at low frequency to the check point E.
3. Select the SPEED/SIZE selector switch to "17" cm and "45" rpm.
4. Put a 17 cm record and the retainer block on the turntable and play the record under applying the suitable stylus pressure.
5. Adjust the potentiometer RV102 in such a way that the reading of frequency is 150.0 - 151.5 Hz.
6. Select the SPEED/SIZE selector switch to "30" cm and "45" rpm.
7. Put a 30 cm record and the retaining block on the turntable and play the record under applying the suitable stylus pressure.
8. Adjust the potentiometer RV701 in such a way that the reading of frequency is 150.0 - 151.5 Hz.
9. Select the SPEED/SIZE selector switch to "30" cm and "33" rpm. Play the record as same as 7. above.
10. Adjust the potentiometer RV103 in such a way that the reading of frequency is 110.0 - 112.0 Hz.

**Note:** The retaining block may be used after removing the dust cover. Refer to exploded view (page 14) and parts list (page 18).



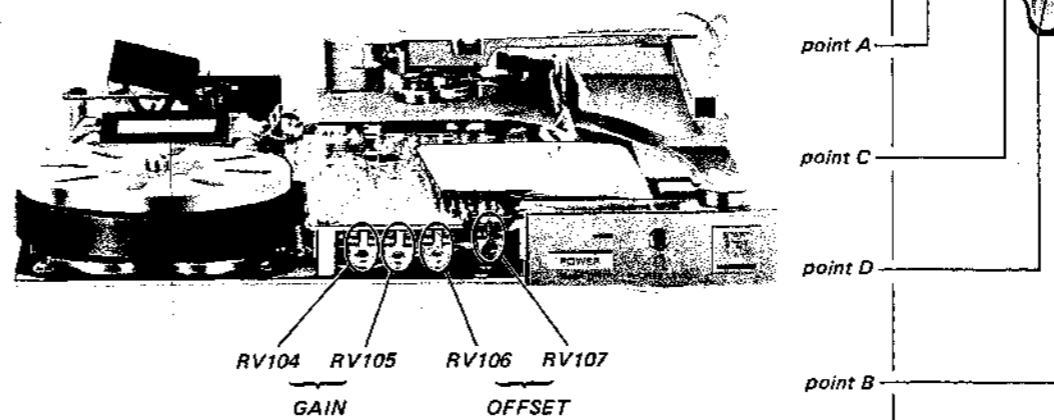
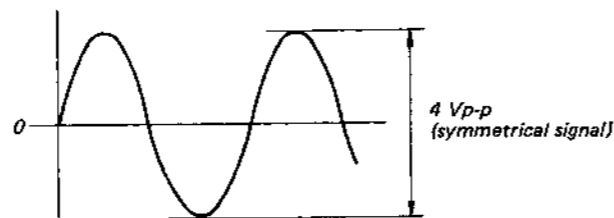
B- Voltage Adjustment

With a VOM connected to point F (emitter of Q102), adjust RV101 to obtain a -4 V dc.



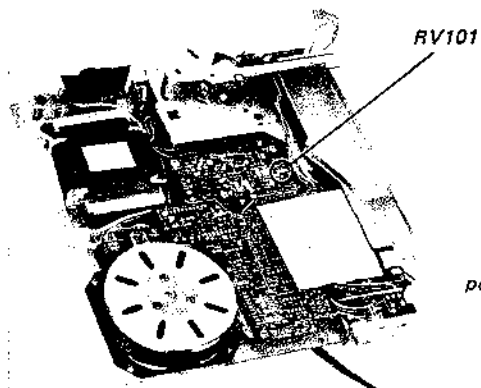
Gain and Offset Adjustment

1. Select the SPEED/SIZE selector switch to "17" cm and "45" rpm under the player system is in STOP condition.
2. Apply about 0.8 VDC to the point A and adjust the DC output voltage to obtain a 1.5 VDC at the point B.
3. Adjust the potentiometers RV104 (gain adjustment) and RV107 (offset adjustment) in such a way that the output at the point C is 4 Vp-p.
4. Adjust the potentiometers RV105 (gain adjustment) and RV106 (offset adjustment) in such a way that the output at the point D is 4 Vp-p.



**B- Voltage Adjustment**

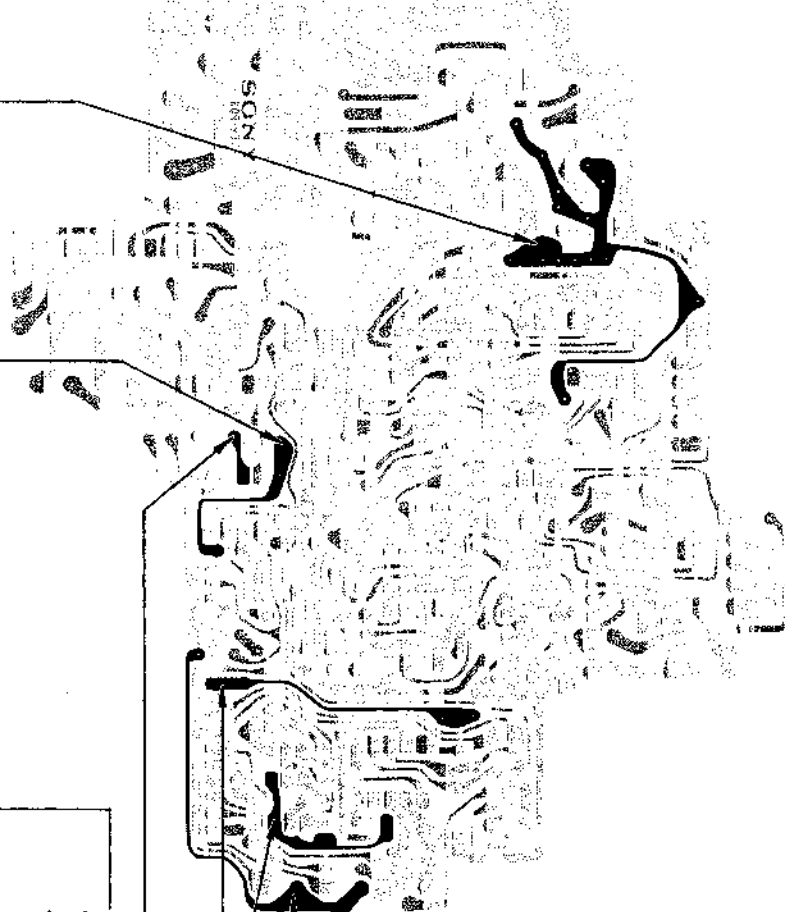
With a VOM connected to point F (emitter of Q102), adjust RV101 to obtain a -4 V dc.



point F

RV101

point E



point A

point C

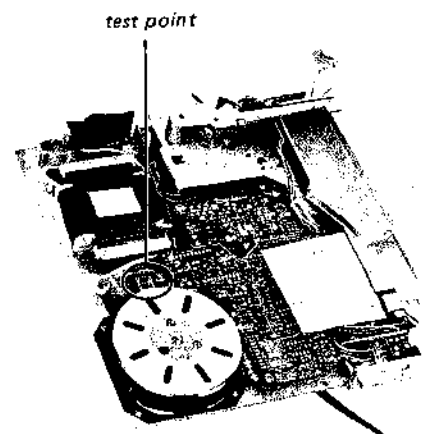
point D

point B

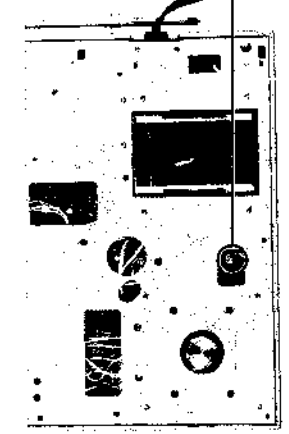
RV104 RV105 RV106 RV107  
 GAIN OFFSET

**FG Head Position Adjustment**

1. Loosen head-fixing screws.
2. Turn POWER on. Set speed to 45 rpm.
3. Push START switch. Turntable should turn.
4. Adjust head position back and forth to obtain a 30 mVrms (84 mVp-p) voltage reading at test point.
5. Tighten the loosened screws.

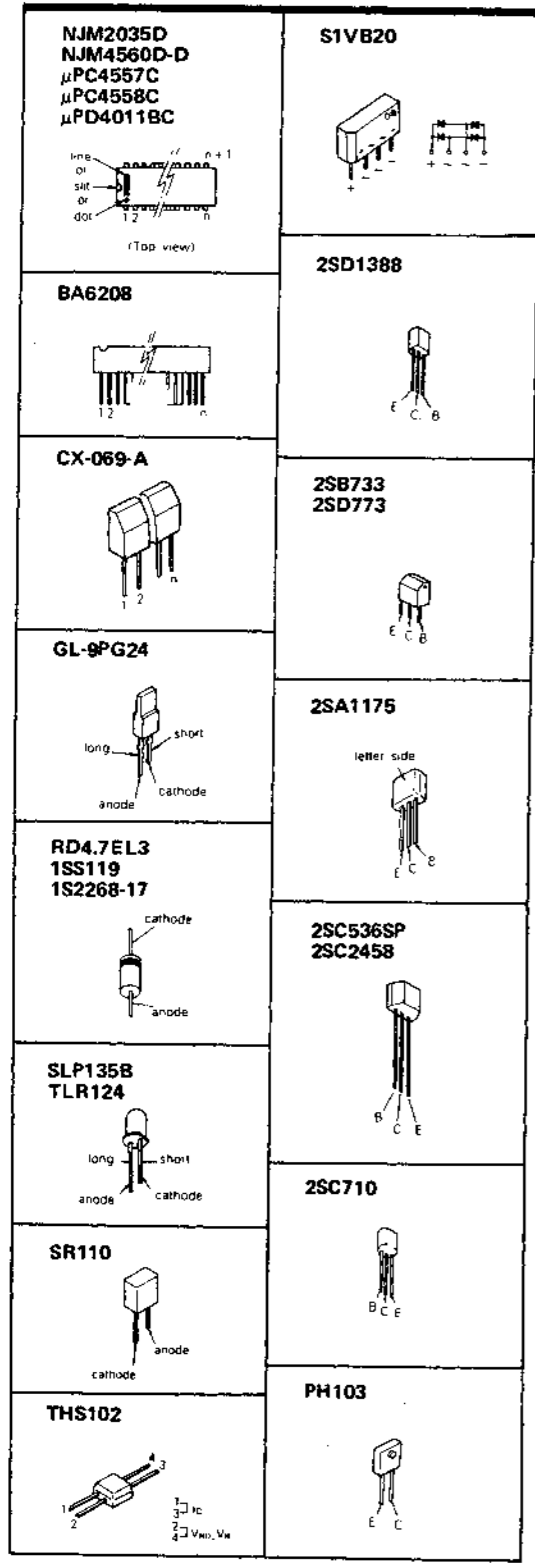


test point



test point

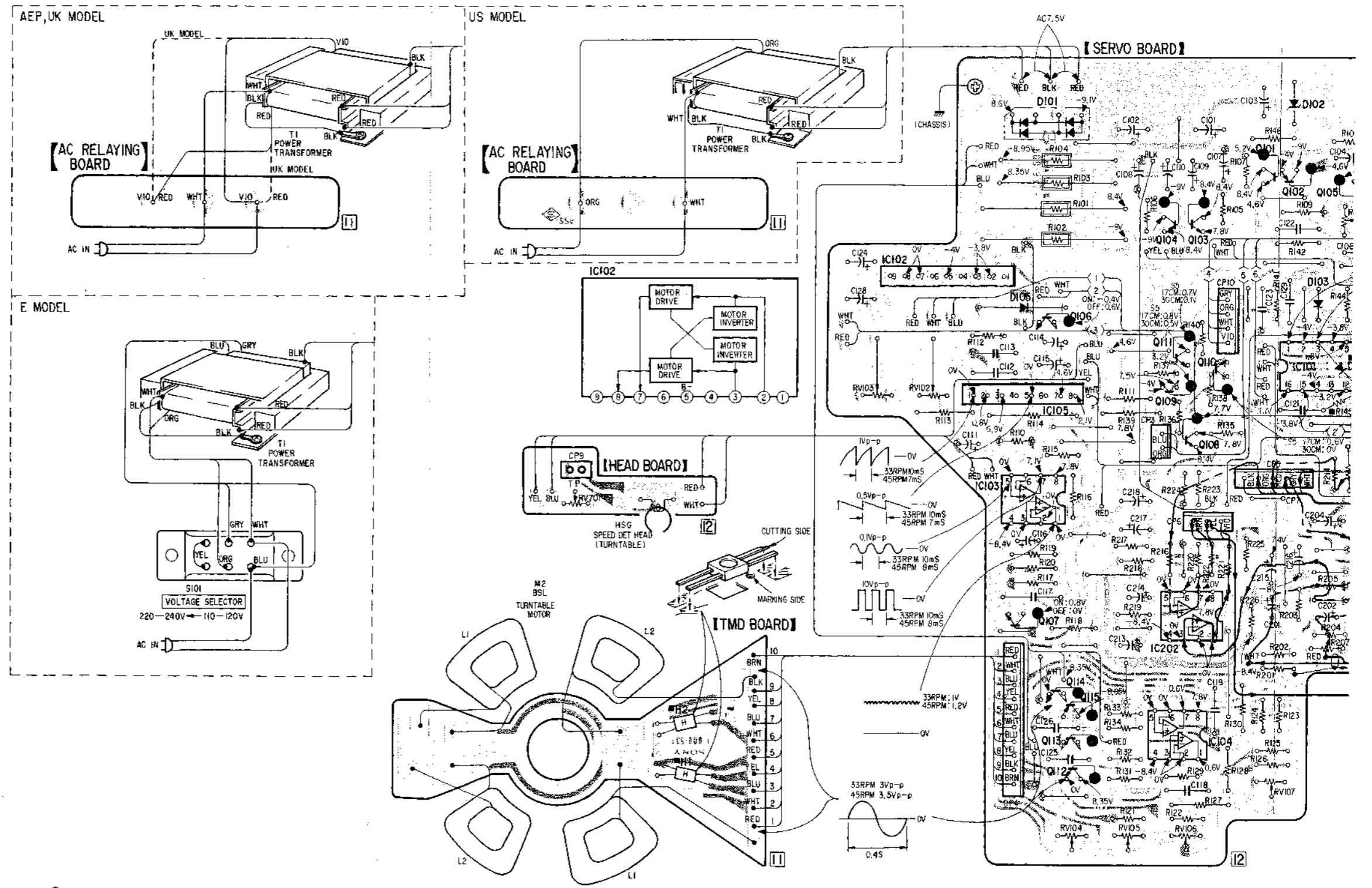
4. MOUNTING DIAGRAM



Notes:

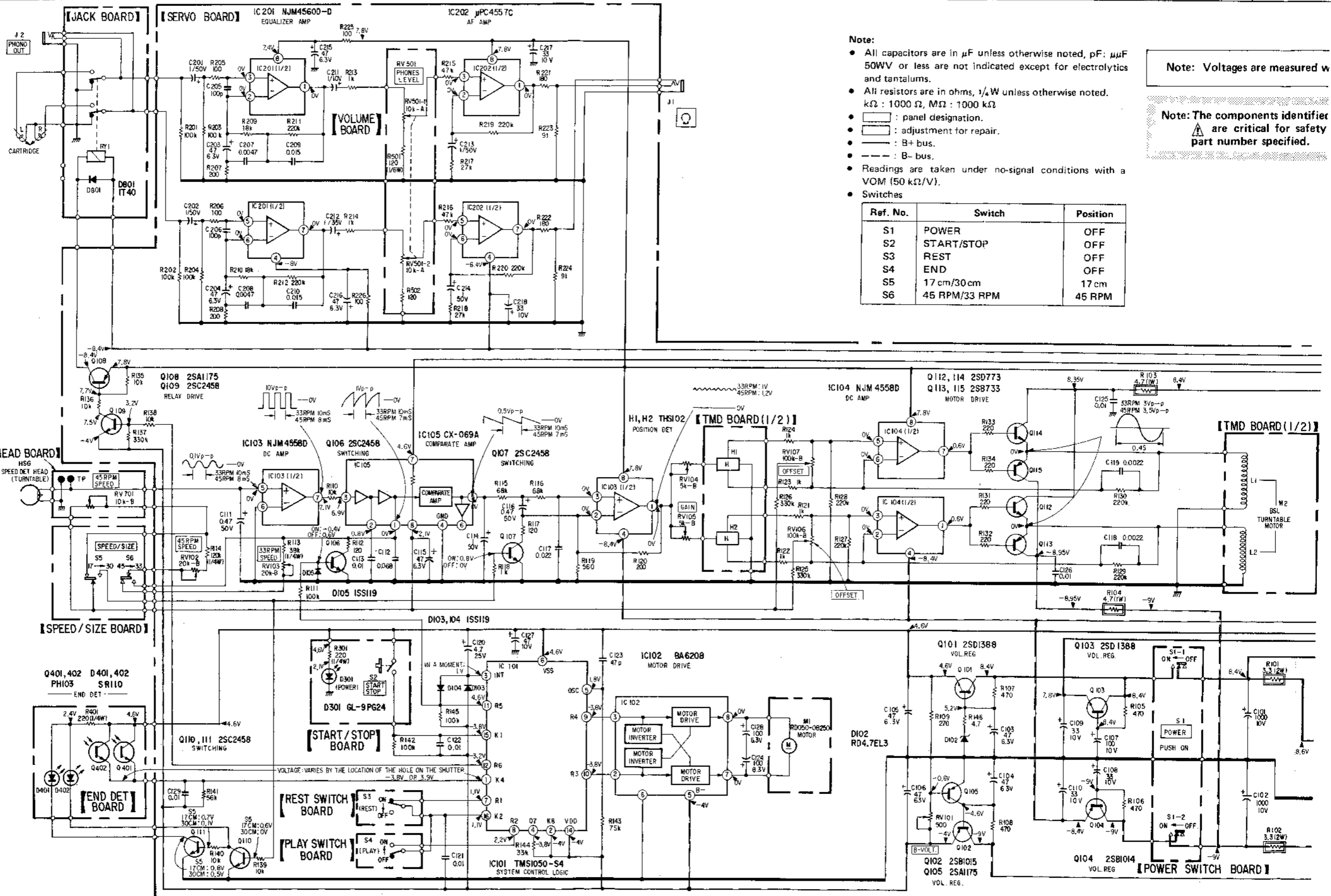
- Color code of sleeving over the end of the jacket.
  - : parts extracted from the component side.
  - : parts extracted from the conductor side.
  - : part mounted on the conductor side.
  - ▨ : B + pattern
  - ▩ : B - pattern
- 

A	B	C	D	E	F	G	H	I	J	K	L	M
Q									IC102			
IC						H2 H1			IC105 IC103 IC107	IC106 114 115 113 112	IC104	IC101
D									IC105	IC101		IC102 IC103 IC104





5. SCHEMATIC DIAGRAM



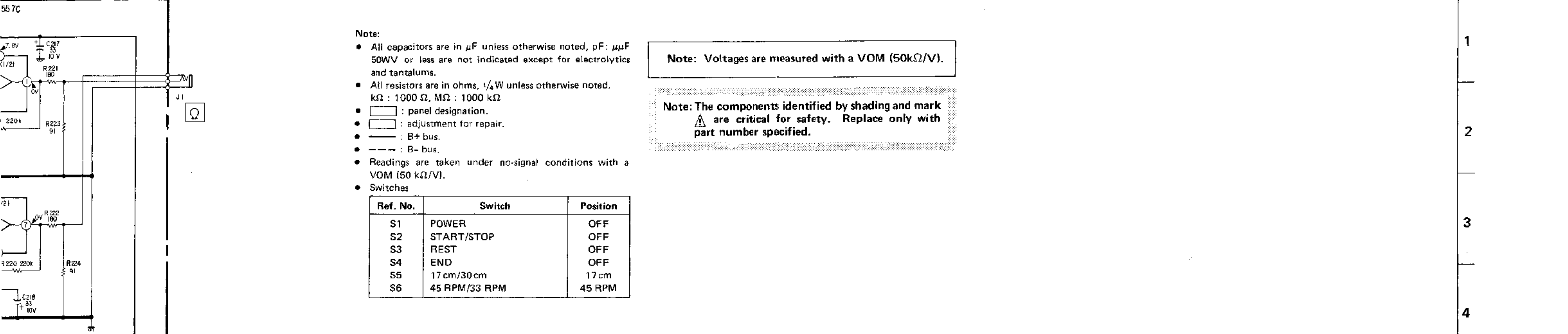
- Note:**
- All capacitors are in  $\mu\text{F}$  unless otherwise noted,  $\text{pF}$ :  $\mu\text{F}$  50WV or less are not indicated except for electrolytics and tantalums.
  - All resistors are in ohms,  $\frac{1}{4}\text{W}$  unless otherwise noted.  $\text{k}\Omega$ : 1000  $\Omega$ ,  $\text{M}\Omega$ : 1000  $\text{k}\Omega$
  - : panel designation.
  - : adjustment for repair.
  - : B+ bus.
  - - -: B- bus.
  - Readings are taken under no-signal conditions with a VOM (50  $\text{k}\Omega/\text{V}$ ).
  - Switches

**Note:** Voltages are measured w

**Note:** The components identifier  $\Delta$  are critical for safety part number specified.

Ref. No.	Switch	Position
S1	POWER	OFF
S2	START/STOP	OFF
S3	REST	OFF
S4	END	OFF
S5	17 cm/30cm	17 cm
S6	45 RPM/33 RPM	45 RPM

H I J K L M N O P Q R S T U V W



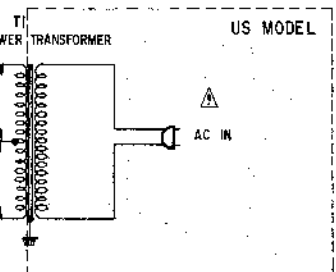
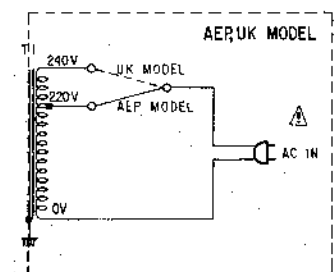
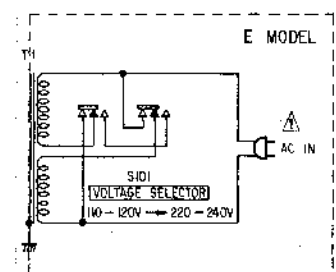
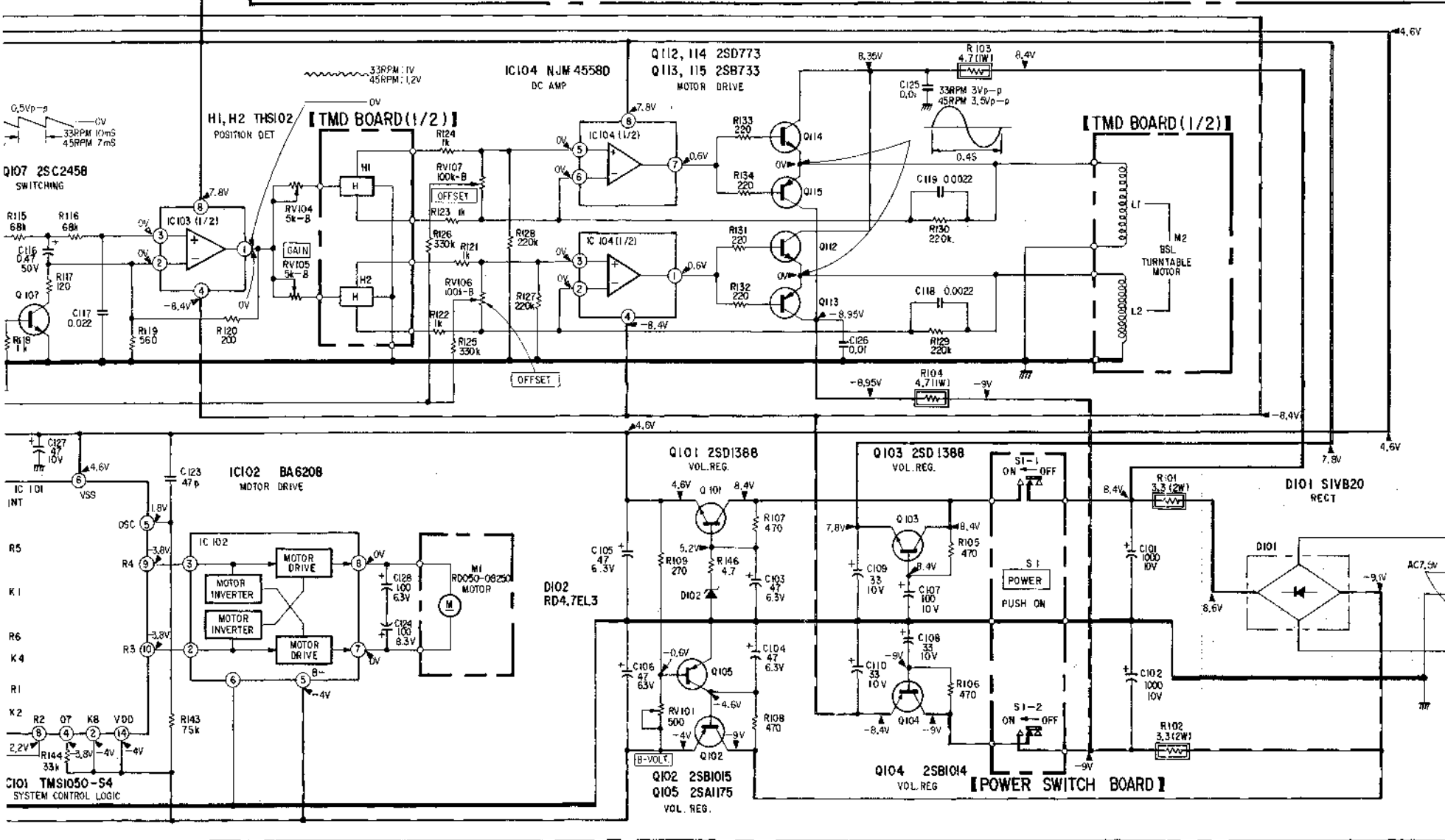
Note:

- All capacitors are in  $\mu\text{F}$  unless otherwise noted, pF:  $\mu\text{F}$  50V or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms,  $\frac{1}{4}\text{W}$  unless otherwise noted.  $\text{k}\Omega$ : 1000  $\Omega$ ,  $\text{M}\Omega$ : 1000  $\text{k}\Omega$
- : panel designation.
- : adjustment for repair.
- : B+ bus.
- : B- bus.
- Readings are taken under no-signal conditions with a VOM (50  $\text{k}\Omega/\text{V}$ ).
- Switches

Note: Voltages are measured with a VOM (50 $\text{k}\Omega/\text{V}$ ).

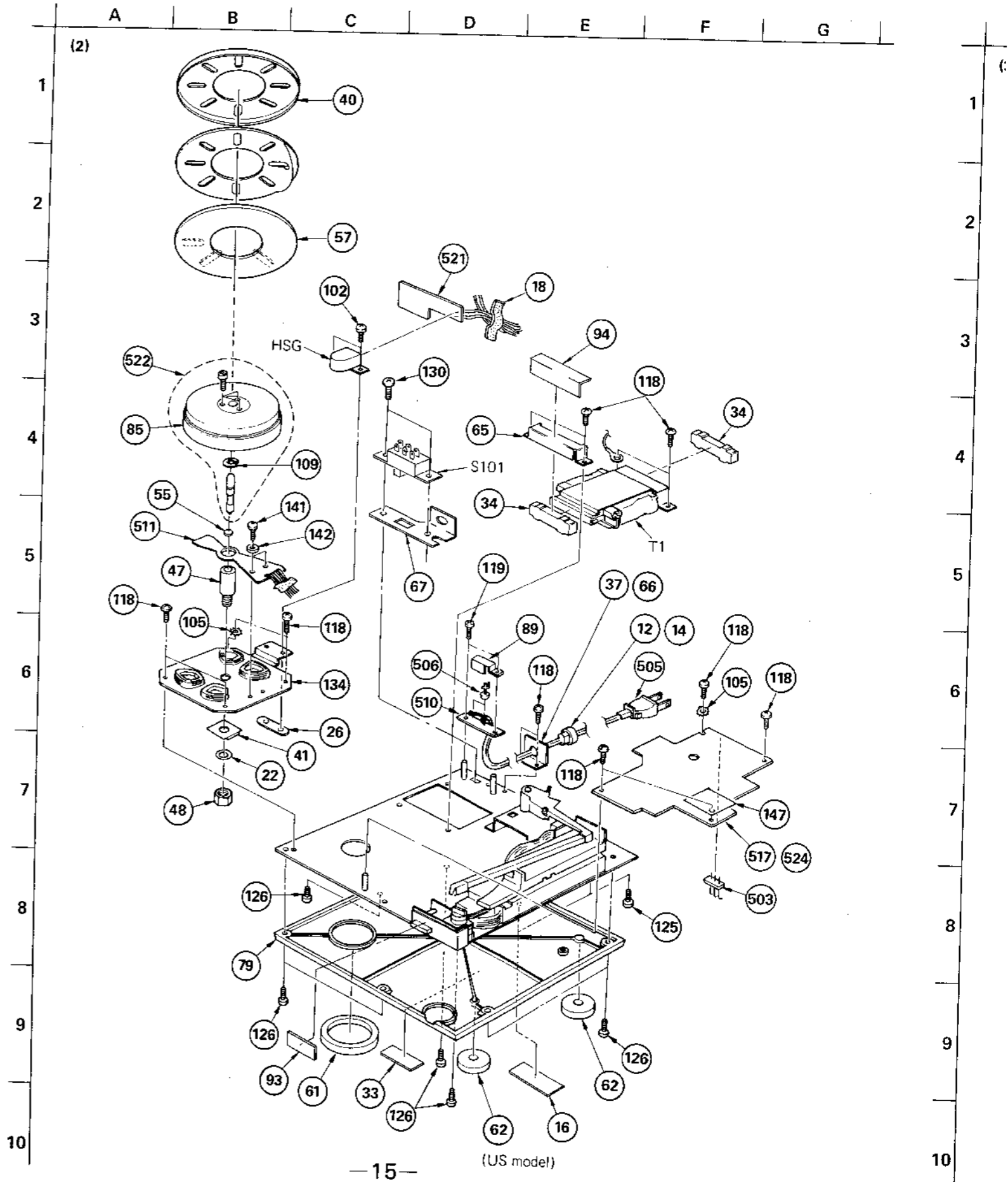
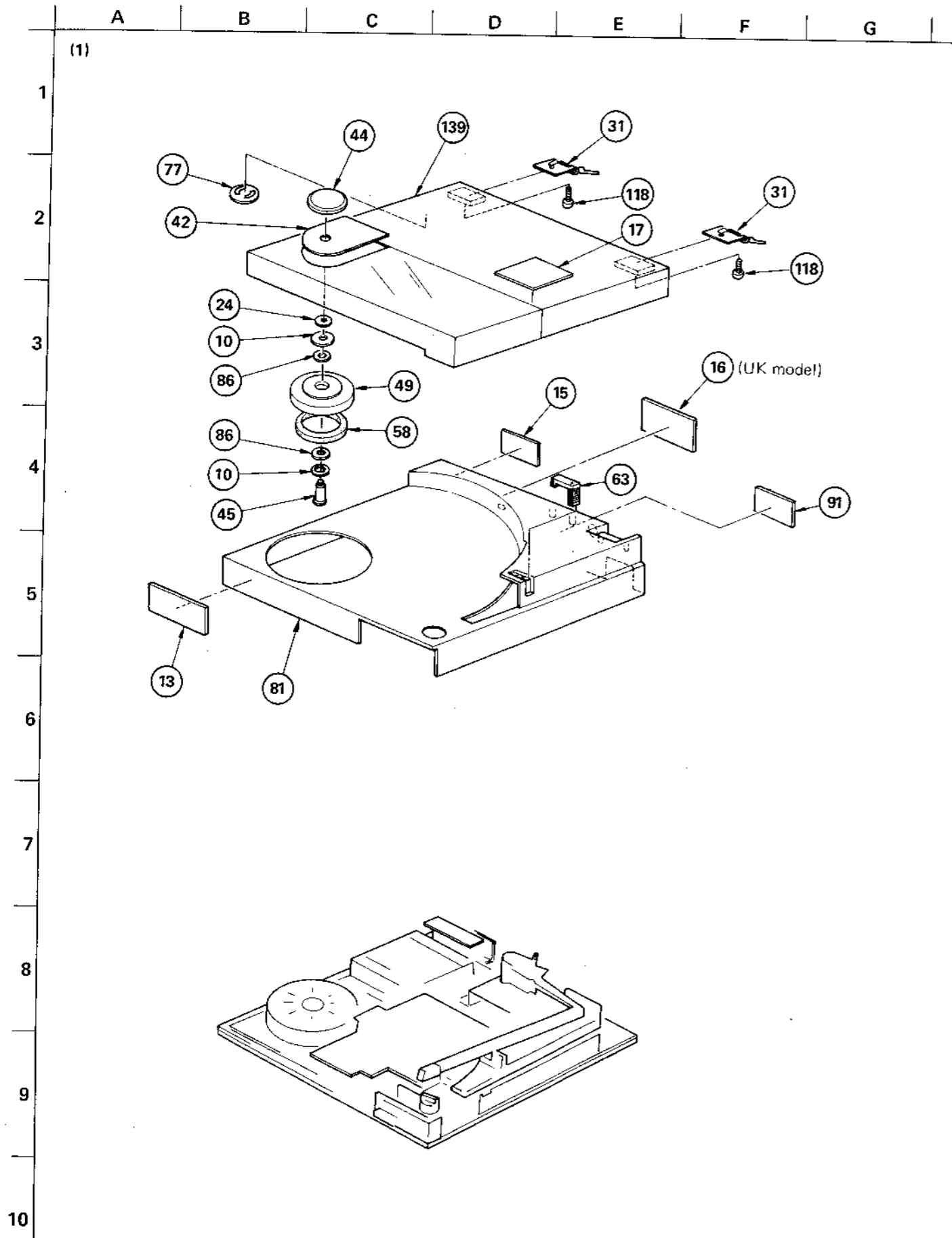
Note: The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

Ref. No.	Switch	Position
S1	POWER	OFF
S2	START/STOP	OFF
S3	REST	OFF
S4	END	OFF
S5	17 cm/30 cm	17 cm
S6	45 RPM/33 RPM	45 RPM

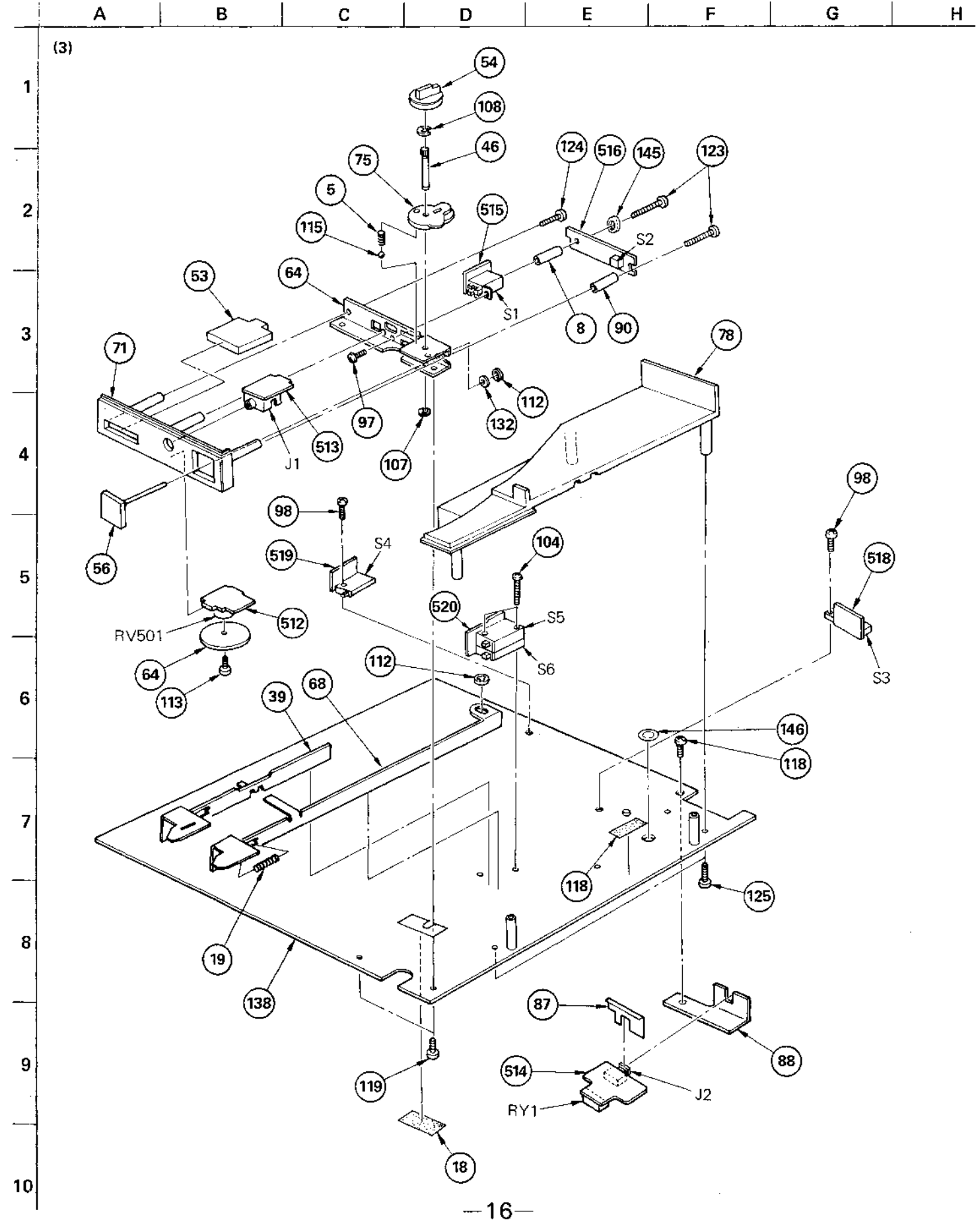
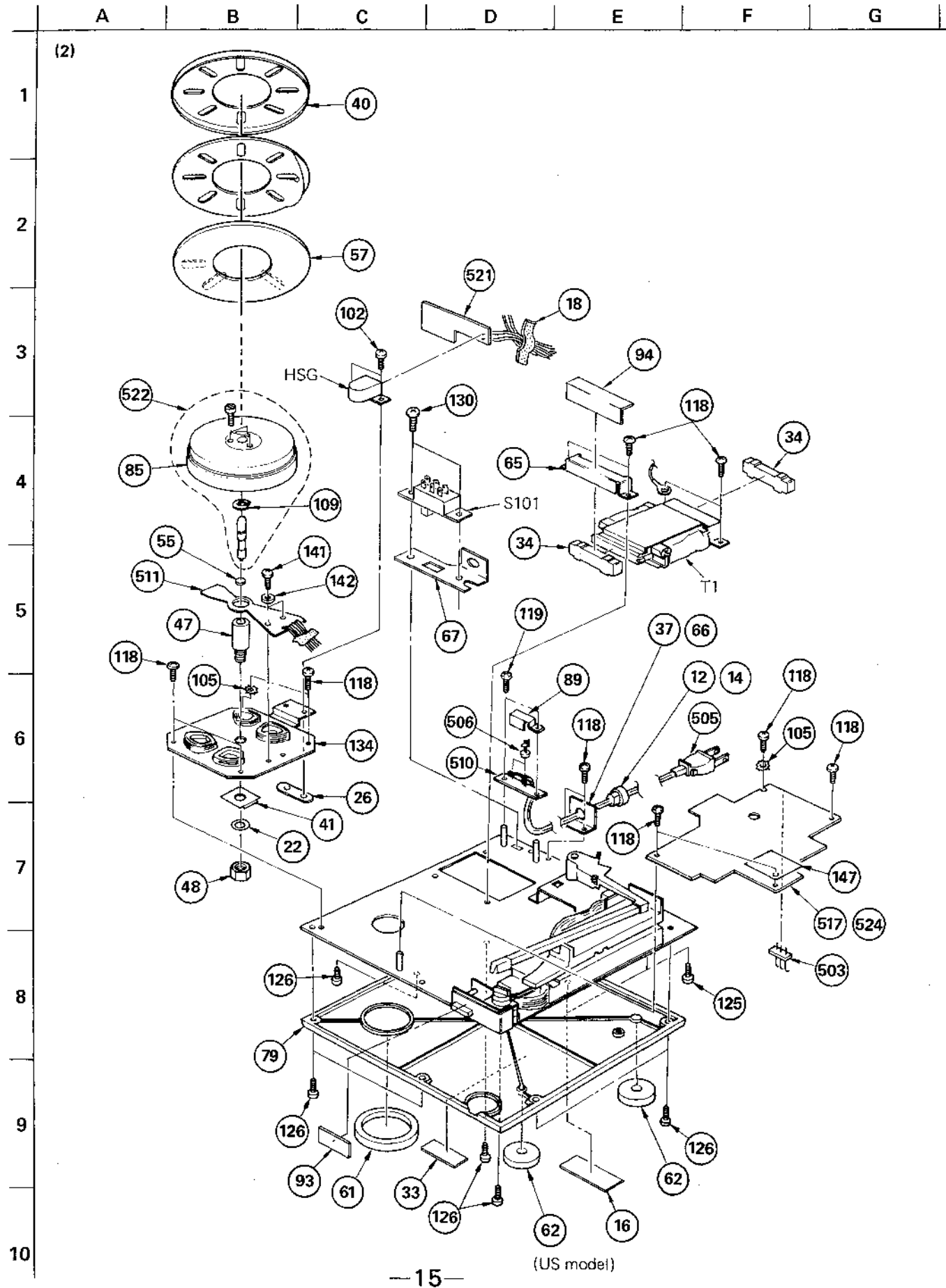


1  
2  
3  
4  
5  
6  
7  
8  
9  
10

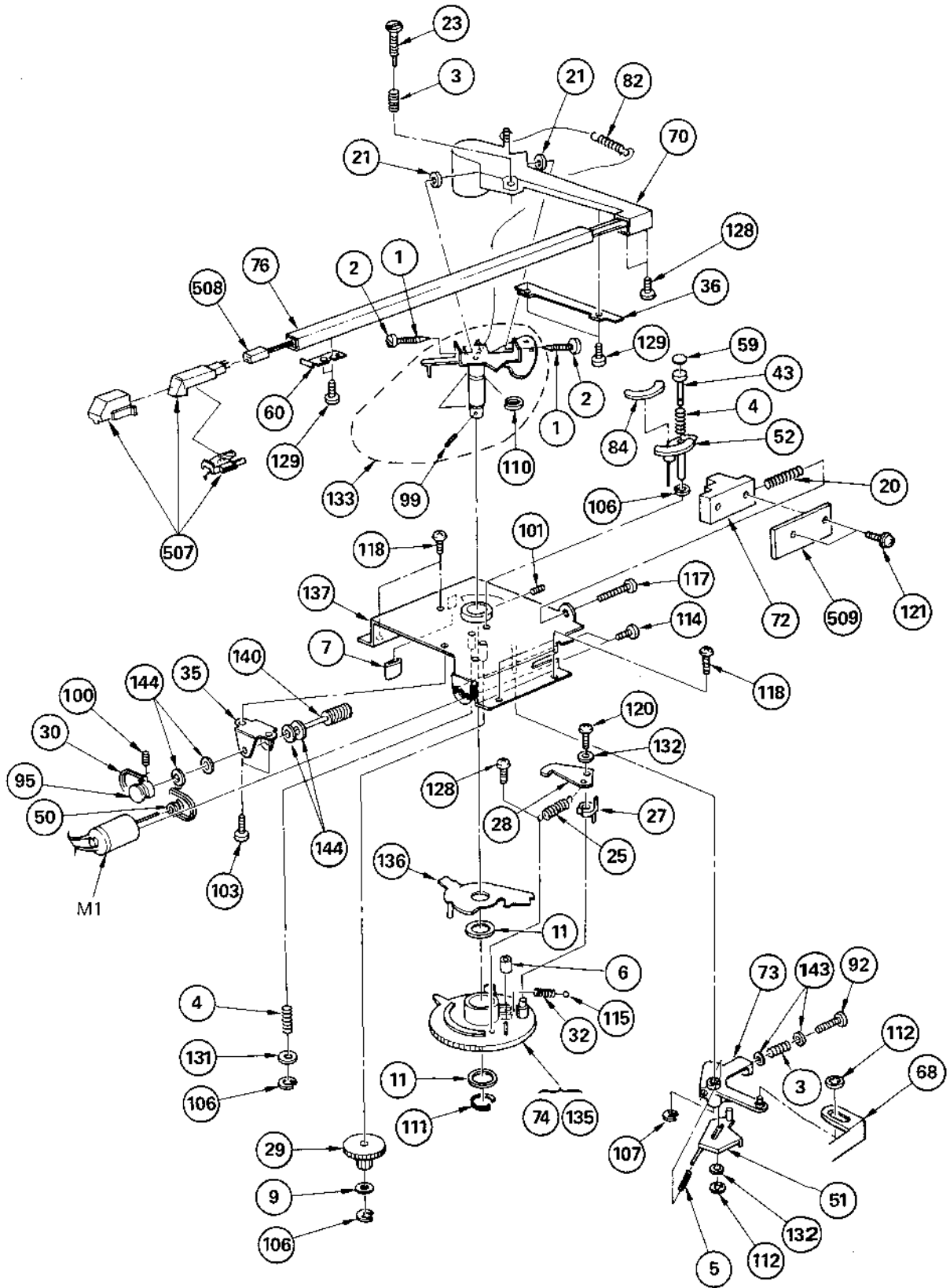
6. EXPLODED VIEWS







(4)



## 7. PARTS LIST

GENERAL SECTION		
No.	Part No.	Description
1	2-203-518-61	SCREW, PIVOT
2	2-203-519-00	NUT (A), LOCK, PIVOT
3	3-549-887-00	SPRING, COIL, COMPRISION
4	3-573-150-00	SPRING, COMPRESSION
5	3-576-098-00	SPRING, COMPRESSION
6	3-579-008-00	RUBBER (S1), BRAKE
7	3-579-032-00	RUBBER, BRAKE
8	♣;3-654-056-00	SPACER (2.6X7)
9	♣;3-701-437-21	WASHER
10	3-701-443-21	WASHER, 5
11	3-701-448-21	WASHER, POLYETHYLENE
12	3-701-682-00	(US,E)...STOPPER, CORD
13	3-701-690-00	(UK)...LABEL, MADE IN JAPAN
14	3-703-244-00	(AEP,UK,G-AEP)...BUSHING, CORD
15	3-703-396-00	(UK)...LABEL, CAUTION
16	♣;3-703-677-00	(US,UK)...LABEL, MAIN CAUTION
17	3-703-705-01	STICKER, SONY SYMBOL (30)
18	3-831-441-XX	CUSHION (B), CABINET
19	4-885-761-00	SPRING, COMPRESSION
20	4-861-965-00	SPRING, COMPRESSION
21	4-863-604-00	BEARING, PIVOT
22	4-870-945-00	RING (P9), 0
23	♣;4-873-347-00	SHAFT, ADJUSTMENT, HIGH
24	4-874-245-00	SPACER, BEARING
25	4-877-850-00	SPRING, TENSION
26	♣;4-878-410-00	NUT, PLATE
27	♣;4-879-717-00	RESET BLOCK
28	4-879-718-00	CLUTCH, LEAD-IN
29	♣;4-879-727-00	GEAR
30	4-879-751-00	BELT
31	4-879-761-11	HINGE
32	4-879-762-00	SPRING, COMPRESSION
33	♣;4-881-683-00	(E)...LABEL, VOLTAGE
34	♣;4-885-101-00	RUBBER, HOLDING, TRANSFORMER
35	♣;4-885-103-00	SUPPORT, WORM SHAFT
36	♣;4-885-106-00	PLATE, LOWER, ARM
37	♣;4-885-107-00	(US)...BRACKET (A), POWER CORD
38	.....	
39	♣;4-885-108-00	LEVER, SWITCH
40	4-885-109-00	CAP, ROTOR
41	4-885-110-00	SPACER
42	4-885-111-00	PLATE, ORNAMENTAL
43	4-885-117-00	SHAFT, BRAKE
44	4-885-121-00	NUT, ORNAMENTAL
45	4-885-122-03	SHAFT, RETAINER BLOCK

GENERAL SECTION		
No.	Part No.	Description
46	4-885-124-00	SHAFT, KNOB
47	4-885-125-00	BEARING, MOTOR
48	4-885-126-00	NUT
49	4-885-128-00	RETAINER BLOCK
50	4-885-130-02	PULLEY
51	4-885-131-00	PLATE, ADJUSTMENT
52	4-885-132-00	BLOCK, UP END DOWN
53	4-885-133-00	BUTTON, POWER
54	4-885-134-00	KNOB, SELECTOR
55	4-885-135-11	RETAINER, THRUST
56	4-885-136-00	BUTTON, S/S
57	4-885-137-00	SHEET, ROTOR
58	4-885-138-02	CUSHION
59	4-885-139-00	PAD, BRAKE
60	4-885-140-02	SPRING, LEAF
61	4-885-143-02	SPACER (A), LEG
62	4-885-144-02	SPACER (B), LEG
63	4-885-145-00	PIECE, ARM LOCK
64	4-885-146-00	KNOB, CONTROL
65	♣;4-885-156-00	PLATE, HOLDING, TRANSFORMER
66	♣;4-885-158-00	(AEP,UK,G-AEP)...BRACKET (B), POWER CORD
67	♣;4-885-159-00	(E)...BRACKET (C), POWER CORD
68	♣;4-885-163-00	LEVER, SELECT
69	♣;4-885-164-00	BRACKET, CONTROL BLOCK
70	♣;4-885-166-02	JOINT, PIPE
71	4-885-167-00	PANEL, CONTROL
72	4-885-169-00	BLOCK, END ADJUSTMENT
73	4-885-170-00	LEVER, SELECTION
74	4-885-171-02	GEAR, CAM
75	4-885-172-00	CAM, SELECTION
76	4-885-173-00	PIPE, ARM
77	4-885-174-00	HOLDER, ADAPTOR
78	♣;4-885-176-00	(US)...FRAME, SUB; SILVER
78	♣;4-885-176-41	(AEP,UK,E)...FRAME, SUB; BLACK
79	♣;4-885-178-00	(AEP,UK)...PLATE, BOTTOM
79	♣;4-885-178-11	(E)...PLATE, BOTTOM
79	♣;4-885-178-23	(US)...PLATE, BOTTOM
80	.....	
81	4-885-181-11	(US)...FRAME
81	♣;4-885-181-51	(AEP,UK,E,G-AEP)...FRAME
82	4-885-182-00	SPRING, TENSION
83	4-885-183-00	CUSHION (D)
84	4-885-184-00	FELT, UP AND DOWN

## NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked "♣" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.

## CAPACITORS:

- All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers.
- MF: μF, PF: μF.

## RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.

- F: nonflammable

## SEMICONDUCTORS

- In each case, U: μ, for example:  
UA...: μA..., UPA...: μPA..., UPC...: μPC,  
UPD...: μPD...

## COILS

- MH: mH, UH: μH

## GENERAL SECTION

No.	Part No.	Description
85	4-885-185-00	BAND, SHIELD
86	4-885-186-00	BEARING, RADIAL
87	♣;4-885-187-02	(US).....PLATE (A), JACK
88	♣;4-885-188-02	(US).....PLATE (B), JACK
89	♣;4-885-197-00	(US,AEP,UK,G-AEP)....PROTECTOR
90	♣;4-885-199-00	SPACER
91	4-885-201-02	(AEP,G-AEP)....LABEL, MODEL NUMBER
91	4-885-202-00	(UK) ....LABEL, MODEL NUMBER
91	4-885-203-00	(E).....LABEL, MODEL NUMBER
91	4-885-207-00	(US).....LABEL, MODEL NUMBER
92	4-885-204-00	SCREW, R
93	4-885-213-00	(AEP,G-AEP)....LABEL, STAND-BY
94	4-885-214-00	(E)....PROTECTOR, POWER
95	4-885-215-00	PULLEY
96	.....	
97	7-621-255-25	SCREW +P 2X4
98	7-621-259-55	SCREW +P 2.6X8
99	7-621-712-17	SET-SCREW, SLOT 2.6X2 CUP POINT
100	7-621-731-08	SET-SCT, HEX. 2X2.5, FLAT POINT
101	7-621-734-09	SET-SCT, HEX. 2.6X3
102	7-621-772-10	SCREW +B 2X4
103	7-621-775-10	SCREW +B 2.6X4
104	7-621-775-88	SCREW +P 2.6X16
105	7-623-422-07	(US).....LW 3, TYPE B
106	7-624-102-04	STOP RING 1.5, TYPE -E
107	7-624-104-04	STOP RING 2.0, TYPE -E
108	7-624-105-04	STOP RING 2.3, TYPE -E
109	7-624-109-04	STOP RING 5.0, TYPE -E
110	7-624-133-44	STOP RING 9, TYPE-CE
111	7-624-133-74	STOP RING 12, TYPE-CE
112	7-624-190-81	STOP RING 2, TYPE-CS
113	7-627-450-78	SCREW, PRECISION +K 1.7X4
114	7-627-553-38	SCREW, PRECISION +P 2X3
115	7-671-113-01	BALL 3, STEEL
116	7-671-151-01	STAINLESS, BALL 1/16INCH
117	7-682-151-01	SCREW +P 3X14
118	7-682-546-04	SCREW +B 3X5
119	7-682-546-09	SCREW +B 3X5
120	7-685-102-21	SCREW +P 2X4 TYPE2 SLIT
121	7-685-104-11	SCREW +P 2X6 TYPE2 NON-SLIT
122	7-685-138-11	SCREW +P 2.6X16 TYPE2 NON-SLIT
123	7-685-138-21	SCREW +P 2.6X16 TYPE 2 SLIT
124	7-685-534-24	SCREW +P 2.6X8 TYPE2 NON-SLIT
125	7-685-647-14	SCREW +BVTP 3X10 TYPE2 N-S
126	7-685-648-19	(US,UK,E)....SCREW +BVTP 3X12 TYPE2 N-S
127	7-685-648-29	(AEP)....SCREW +BVTP 3X12 TYPE 2 SLIT

## GENERAL SECTION

No.	Part No.	Description
128	7-685-780-01	SCREW +PTT 2X3 (S)
129	7-685-799-04	SCREW +PTT 1.7X2.5
130	7-685-871-09	(E)...SCREW +BVTT 3X6 (S)
131	7-688-001-01	W 2, SMALL
132	7-688-001-11	W 2, MIDDLE
133	A-4607-016-A	ROTARY BLOCK ASSY
134	A-4608-226-A	FRAME SUB ASSY, MOTOR
135	A-4609-027-A	GEAR ASSY, CAM
136	♣;X-4885-101-3	PLATE ASSY, LEAD-IN
137	♣;X-4885-103-3	CHASSIS ASSY, SUB
138	♣;X-4885-105-2	(E).....CHASSIS ASSY (2)
138	♣;X-4885-106-0	(US,AEP,UK)...CHASSIS ASSY (1)
139	X-4885-107-0	COVER ASSY, DUST; SILVER
139	X-4885-107-6	COVER ASSY, DUST; BLACK
140	♣;X-4885-111-0	GEAR ASSY, WORM
141	7-682-145-13	SCREW +P 3X4
142	3-701-439-10	W3, PLASTIC
143	7-688-003-01	W3, SMALL
144	3-701-437-11	W2, PLASTIC
145	2-229-507-00	W2.6, PLASTIC
146	4-885-198-00	SPACER
147	4-885-206-00	PAPER, SHIELD

## ACCESSORY &amp; PACKING MATERIAL

No.	Part No.	Description
181	1-555-658-00	CORD, CONNECTION (RK-129)
182	3-701-630-00	BAG, POLYETHYLENE
183	3-773-115-11	(AEP,UK,E)..MANUAL, INSTRUCTION
184	3-773-115-21	(US).....MANUAL, INSTRUCTION
185	3-773-115-41	(AEP).....MANUAL, INSTRUCTION
186	3-795-557-11	INSTRUCTION, TURNTABLE SPACER
187	4-885-168-00	ADAPTOR, 45
188	4-885-190-00	STOPPER, ARM
189	4-885-192-00	SHEET, PROTECTION
190	4-885-193-00	SHEET, PROTECTION
191	4-885-205-00	CUSHION (FRONT)
192	4-885-206-00	CUSHION (REAR)
193	4-885-209-00	INDIVIDUAL CARTON
194	4-885-212-00	SPACER, TURNTABLE

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- Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.

## CAPACITORS:

- All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers.  
MF: μF, PF: μμF.

## RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.

- F: nonflammable

## SEMICONDUCTORS

- In each case, U: μ, for example:  
UA...: μA...; UPA...: μPA...; UPC...: μPC;  
UPD...: μPD...

## COILS

- MMH: mH, UH: μH

ELECTRICAL PARTS

Ref.No.	Part No.	Description
501	1-507-688-41	JACK (STEREO PLUG) (J2)
502	1-507-812-00	JACK (J1)
503	♣;1-508-800-13	U TYPE BASE POST 3P
504	1-515-495-00	RELAY (RY1)
505	△;1-534-817-XX	(AEP)...CORD, POWER
505	△;1-551-472-00	(E).....CORD, POWER
505	△;1-551-506-XX	(US)....CORD, POWER
505	△;1-551-884-00	(UK)....CORD, POWER
505	△;1-555-734-00	(E).....CORD, POWER
506	♣;1-535-416-00	(US,AEP,UK)....TERMINAL
507	1-549-113-12	CARTRIDGE
508	1-556-504-00	CONNECTOR, PLUG IN TYPE
509	♣;1-608-527-00	PC BOARD, END DETECT
510	♣;1-608-536-00	(US,AEP,UK)...PC BOARD, PRIMARY RELAYING
511	♣;1-608-537-00	PC BOARD, TMD
512	♣;1-608-538-00	PC BOARD, VOLUME CONTROL
513	♣;1-608-539-00	PC BOARD, HEADPHONE
514	♣;1-608-853-12	PC BOARD, JACK
515	♣;1-609-929-00	PC BOARD, POWER SWITCH
516	♣;1-609-930-00	PC BOARD, START STOP
517	♣;1-609-932-12	PC BOARD, SERVO
518	♣;1-609-933-12	PC BOARD, REST SWITCH
519	♣;1-609-934-12	PC BOARD, PLAY SWITCH
520	♣;1-609-935-12	PC BOARD, SPEED/SIZE
521	♣;1-609-936-12	PC BOARD, HEAD
522	A-4608-221-A	ROTOR ASSY
523	A-4608-250-A	MOTOR ASSY
524	♣;A-4619-202-A	MOUNTED PCB, SERVO
C101	1-123-311-00	ELECT 1000MF 20% 10V
C102	1-123-311-00	ELECT 1000MF 20% 10V
C103	1-123-647-00	ELECT 47MF 20% 6.3V
C104	1-123-647-00	ELECT 47MF 20% 6.3V
C105	1-123-647-00	ELECT 47MF 20% 6.3V
C106	1-123-647-00	ELECT 47MF 20% 6.3V
C107	1-123-474-00	ELECT 100MF 20% 10V
C108	1-123-645-00	ELECT 33MF 20% 10V
C109	1-123-645-00	ELECT 33MF 20% 10V
C110	1-123-645-00	ELECT 33MF 20% 10V
C111	1-123-610-00	ELECT 0.47MF 20% 50V
C112	1-130-881-00	FILM 0.068MF 5% 50V
C113	1-162-113-00	CERAMIC 0.01MF 30% 16V
C114	1-123-611-00	ELECT 1MF 20% 50V
C115	1-123-647-00	ELECT 47MF 20% 6.3V
C116	1-123-610-00	ELECT 0.47MF 20% 50V
C117	1-161-494-00	CERAMIC 0.022MF 30% 25V
C118	1-162-111-00	CERAMIC 0.0022MF 30% 25V

ELECTRICAL PARTS

Ref.No.	Part No.	Description
C119	1-162-111-00	CERAMIC 0.0022MF 30% 25V
C120	1-123-616-00	ELECT 4.7MF 20% 25V
C121	1-162-113-00	CERAMIC 0.01MF 30% 16V
C122	1-162-113-00	CERAMIC 0.01MF 30% 16V
C123	1-162-029-00	CERAMIC 47PF 5% 50V
C124	1-123-661-00	ELECT 100MF 20% 6.3V
C125	1-162-113-00	CERAMIC 0.01MF 30% 16V
C126	1-162-113-00	CERAMIC 0.01MF 30% 16V
C127	1-123-822-00	ELECT 47MF 20% 10V
C128	1-123-661-00	ELECT 100MF 20% 6.3V
C129	1-162-113-00	CERAMIC 0.01MF 30% 16V
C201	1-123-611-00	ELECT 1MF 20% 50V
C202	1-123-611-00	ELECT 1MF 20% 50V
C203	1-123-647-00	ELECT 47MF 20% 6.3V
C204	1-123-647-00	ELECT 47MF 20% 6.3V
C205	1-162-037-00	CERAMIC 100PF 5% 50V
C206	1-162-037-00	CERAMIC 100PF 5% 50V
C207	1-108-571-00	MYLAR 0.0047MF 5% 50V
C208	1-108-571-00	MYLAR 0.0047MF 5% 50V
C209	1-130-622-00	FILM 0.015MF 5% 50V
C210	1-130-622-00	FILM 0.015MF 5% 50V
C212	1-131-347-00	TANTALUM 1MF 20% 35V
C213	1-123-611-00	ELECT 1MF 20% 50V
C214	1-123-611-00	ELECT 1MF 20% 50V
C215	1-123-647-00	ELECT 47MF 20% 6.3V
C216	1-123-647-00	ELECT 47MF 20% 6.3V
C217	1-123-645-00	ELECT 33MF 20% 10V
C218	1-123-645-00	ELECT 33MF 20% 10V
C241	1-131-347-00	TANTALUM 1MF 20% 35V
CP1	♣;1-560-603-00	PIN, CONNECTOR 4P
CP2	♣;1-560-602-00	PIN, CONNECTOR 3P
CP3	♣;1-560-708-00	PIN, CONNECTOR 2P
CP4	♣;1-560-607-00	PIN, CONNECTOR 10P
CP5	♣;1-560-604-00	PIN, CONNECTOR 5P
CP6	♣;1-560-602-21	PIN, CONNECTOR 3P
CP7	♣;1-560-603-21	PIN, CONNECTOR 4P
CP10	♣;1-560-603-31	PIN, CONNECTOR 4P
D101	△;8-719-511-20	DIODE S1VB20
D102	8-719-101-48	DIODE RD4.7EL3
D103	8-719-911-19	DIODE 1SS119
D104	8-719-911-19	DIODE 1SS119
D105	8-719-911-19	DIODE 1SS119
D301	8-719-903-15	DIODE GL-9PG24
D401	8-719-101-11	DIODE SR110
D402	8-719-101-11	DIODE SR110
D801	8-719-911-19	DIODE 1SS119

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- Due to standardization, parts with part numbers (△-△△△-△△△-XX or △-△△△△-△△△-X) may be different from those used in the set.

CAPACITORS:

All capacitors are in  $\mu$ F. Common capacitors are omitted. Refer to the following lists for their part numbers.  
MF: $\mu$ F, PF: $\mu$ F.

RESISTORS

All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.

F : nonflammable

COILS

MMH : mH, UH :  $\mu$ H

The components identified by shading and mark △ are critical for safety. Replace only with part number specified.

SEMICONDUCTORS

In each case, U :  $\mu$ , for example:  
UA...:  $\mu$ A..., UPA...:  $\mu$ PA..., UPC...:  $\mu$ PC,  
UPD...:  $\mu$ PD...

ELECTRICAL PARTS

Ref.No.	Part No.	Description
H1	8-719-800-17	DIODE THS102A
H2	8-719-800-17	DIODE THS102A
HSG	1-543-093-00	HEAD
IC101	8-759-907-68	IC TMS1050/S-4
IC102	8-759-962-08	IC BA6208
IC103	8-759-145-58	IC NJM4558C
IC104	8-759-145-58	IC NJM4558C
IC105	8-759-600-69	IC CX-069A
IC201	8-759-745-61	IC NJM45600-D
IC202	8-759-145-57	IC UPC4557C
M1	1-541-217-00	MOTOR
Q101	8-729-802-34	TRANSISTOR 2SD1388
Q103	8-729-802-34	TRANSISTOR 2SD1388
Q104	8-729-802-22	TRANSISTOR 2SB1014
Q105	8-729-117-54	TRANSISTOR 2SA1175
Q106	8-729-245-83	TRANSISTOR 2SC2458
Q107	8-729-245-83	TRANSISTOR 2SC2458
Q108	8-729-117-54	TRANSISTOR 2SA1175
Q109	8-729-245-83	TRANSISTOR 2SC2458
Q110	8-729-245-83	TRANSISTOR 2SC2458
Q111	8-729-245-83	TRANSISTOR 2SC2458
Q112	8-729-177-32	TRANSISTOR 2SD773
Q113	8-729-113-32	TRANSISTOR 2SB733
Q114	8-729-177-32	TRANSISTOR 2SD773
Q115	8-729-113-32	TRANSISTOR 2SB733
Q401	8-729-101-13	TRANSISTOR PH103-L
Q402	8-729-101-13	TRANSISTOR PH103-L
R101	1-206-451-00	METAL OXIDE 3.3 5% 2W F
R102	1-206-451-00	METAL OXIDE 3.3 5% 2W F
R103	1-212-368-00	METAL OXIDE 4.7 5% 1W F
R104	1-212-368-00	METAL OXIDE 4.7 5% 1W F
R105	1-247-823-00	CARBON 470 5% 1/6W
R106	1-247-823-00	CARBON 470 5% 1/6W
R107	1-247-823-00	CARBON 470 5% 1/6W
R108	1-247-823-00	CARBON 470 5% 1/6W
R109	1-247-817-00	CARBON 270 5% 1/6W
R110	1-247-855-00	CARBON 10K 5% 1/6W
R111	1-247-879-00	CARBON 100K 5% 1/6W
R112	1-247-809-00	CARBON 120 5% 1/6W
R113	1-214-767-00	METAL 39K 1% 1/4W
R114	1-214-779-00	METAL 120K 1% 1/4W
R115	1-247-875-00	CARBON 68K 5% 1/6W
R116	1-247-875-00	CARBON 68K 5% 1/6W
R117	1-247-809-00	CARBON 120 5% 1/6W
R118	1-247-831-00	CARBON 1K 5% 1/6W

ELECTRICAL PARTS

Ref.No.	Part No.	Description
R119	1-247-825-00	CARBON 560 5% 1/6W
R120	1-247-814-00	CARBON 200 5% 1/6W
R121	1-247-831-00	CARBON 1K 5% 1/6W
R122	1-247-831-00	CARBON 1K 5% 1/6W
R123	1-247-831-00	CARBON 1K 5% 1/6W
R124	1-247-831-00	CARBON 1K 5% 1/6W
R125	1-247-891-00	CARBON 330K 5% 1/6W
R126	1-247-891-00	CARBON 330K 5% 1/6W
R127	1-247-887-00	CARBON 220K 5% 1/6W
R128	1-247-887-00	CARBON 220K 5% 1/6W
R129	1-247-887-00	CARBON 220K 5% 1/6W
R130	1-247-887-00	CARBON 220K 5% 1/6W
R131	1-247-815-00	CARBON 220 5% 1/6W
R132	1-247-815-00	CARBON 220 5% 1/6W
R133	1-247-815-00	CARBON 220 5% 1/6W
R134	1-247-815-00	CARBON 220 5% 1/6W
R135	1-247-855-00	CARBON 10K 5% 1/6W
R136	1-247-855-00	CARBON 10K 5% 1/6W
R137	1-247-891-00	CARBON 330K 5% 1/6W
R138	1-247-855-00	CARBON 10K 5% 1/6W
R139	1-247-855-00	CARBON 10K 5% 1/6W
R140	1-247-855-00	CARBON 10K 5% 1/6W
R141	1-247-873-00	CARBON 56K 5% 1/6W
R142	1-247-879-00	CARBON 100K 5% 1/6W
R143	1-247-876-00	CARBON 75K 5% 1/6W
R144	1-247-867-00	CARBON 33K 5% 1/6W
R145	1-247-879-00	CARBON 100K 5% 1/6W
R146	1-247-775-00	CARBON 4.7 5% 1/6W
R201	1-247-879-00	CARBON 100K 5% 1/6W
R202	1-247-879-00	CARBON 100K 5% 1/6W
R203	1-247-879-00	CARBON 100K 5% 1/6W
R204	1-247-879-00	CARBON 100K 5% 1/6W
R205	1-247-807-00	CARBON 100 5% 1/6W
R206	1-247-807-00	CARBON 100 5% 1/6W
R207	1-247-814-00	CARBON 200 5% 1/6W
R208	1-247-814-00	CARBON 200 5% 1/6W
R209	1-247-861-00	CARBON 18K 5% 1/6W
R210	1-247-861-00	CARBON 18K 5% 1/6W
R211	1-247-887-00	CARBON 220K 5% 1/6W
R212	1-247-887-00	CARBON 220K 5% 1/6W
R213	1-247-831-00	CARBON 1K 5% 1/6W
R214	1-247-831-00	CARBON 1K 5% 1/6W
R215	1-247-871-00	CARBON 47K 5% 1/6W
R216	1-247-871-00	CARBON 47K 5% 1/6W
R217	1-247-865-00	CARBON 27K 5% 1/6W

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- Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.

CAPACITORS:

- All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers.
- MF: μF, PF: μuF.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- F: nonflammable

SEMICONDUCTORS

- In each case, U: μ, for example: UA...: μA..., UPA...: μPA..., UPC...: μPC, UPD...: μPD...

COILS

- MH: mH, UH: μH

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R218	1-247-865-00	CARBON	27K	5%	1/6W
R219	1-247-887-00	CARBON	220K	5%	1/6W
R220	1-247-887-00	CARBON	220K	5%	1/6W
R221	1-247-813-00	CARBON	180	5%	1/6W
R222	1-247-813-00	CARBON	180	5%	1/6W
R223	1-247-806-00	CARBON	91	5%	1/6W
R224	1-247-806-00	CARBON	91	5%	1/6W
R225	1-247-807-00	CARBON	100	5%	1/6W
R226	1-247-807-00	CARBON	100	5%	1/6W
R301	1-246-457-00	CARBON	220	5%	1/4W
R401	1-246-457-00	CARBON	220	5%	1/4W
R501	1-247-809-00	CARBON	120	5%	1/6W
R502	1-247-809-00	CARBON	120	5%	1/6W
RV101	1-226-427-00	RES, ADJ, CARBON	500		
RV102	1-228-238-00	RES, ADJ, METAL GLAZE	20K		
RV103	1-226-237-00	RES, ADJ, CARBON	20K		
RV104	1-226-430-00	RES, ADJ, CARBON	5K		
RV105	1-226-430-00	RES, ADJ, CARBON	5K		
RV106	1-226-434-00	RES, ADJ, CARBON	100K		
RV107	1-226-434-00	RES, ADJ, CARBON	100K		
RV501	1-228-169-00	RES, VAR, CARBON	10K/10K		
RV701	1-226-431-00	RES, ADJ, CARBON	10K		

ELECTRICAL PARTS

Ref.No.	Part No.	Description
S101	▲.1-552-535-00	(E)...VOLTAGE SELECTOR
S1	1-553-909-00	SWITCH, PUSH
S2	1-553-856-00	SWITCH, KEY BOARD
S3	1-552-532-00	SWITCH, PUSH
S4	1-552-532-00	SWITCH, PUSH
S6	1-552-532-00	SWITCH, PUSH
S6	1-552-532-00	SWITCH, PUSH
T1	▲.1-447-435-00	(US).....TRANSFORMER, POWER
T1	▲.1-447-437-00	(E).....TRANSFORMER, POWER
T1	▲.1-447-438-00	(AEP,UK,G-AEP)...TRANSFORMER, POWER
TP9	▲;1-560-200-00	BASE POST, MCD CONNECTOR 2P

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CAPACITORS:

- All capacitors are in  $\mu\text{F}$ . Common capacitors are omitted. Refer to the following lists for their part numbers. MF: $\mu\text{F}$ , PF: $\mu\text{pF}$ .

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.

- F : nonflammable

COILS

- MMH : mH, UH :  $\mu\text{H}$

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

SEMICONDUCTORS

- In each case, U :  $\mu$ , for example:  
 UA... :  $\mu\text{A}$ ..., UPA... :  $\mu\text{PA}$ ..., UPC... :  $\mu\text{PC}$ ,  
 UPD... :  $\mu\text{PD}$ ...

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