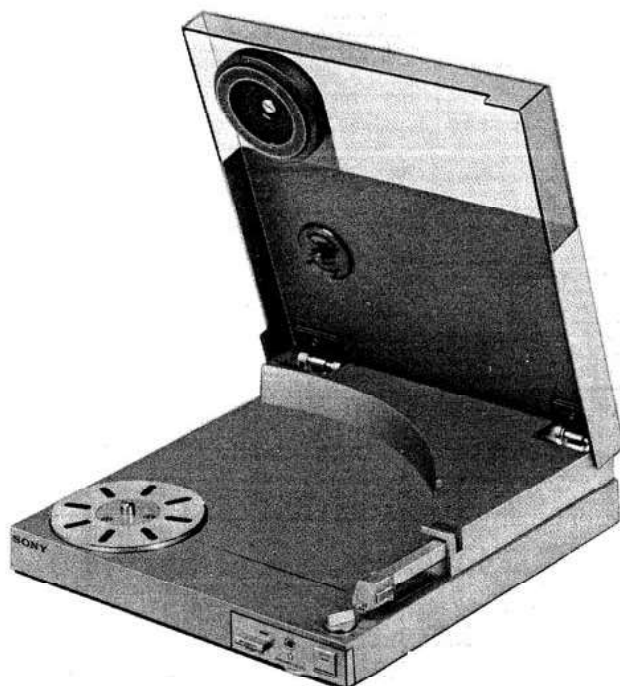


# PS-Q7



*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  
8½ (w) x 9¾ (h) x 2¾ (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 (3¼ in.), aluminum-alloy diecast

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

**Drive System:** Direct drive

**Control System:** Magnedisc servo control system

**Speed:** 33⅓ 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 kΩ

**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 8Ω load)

**Frequency Response:** RIAA equalization curve ±0.5 dB

#### SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK  
⚠ 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®

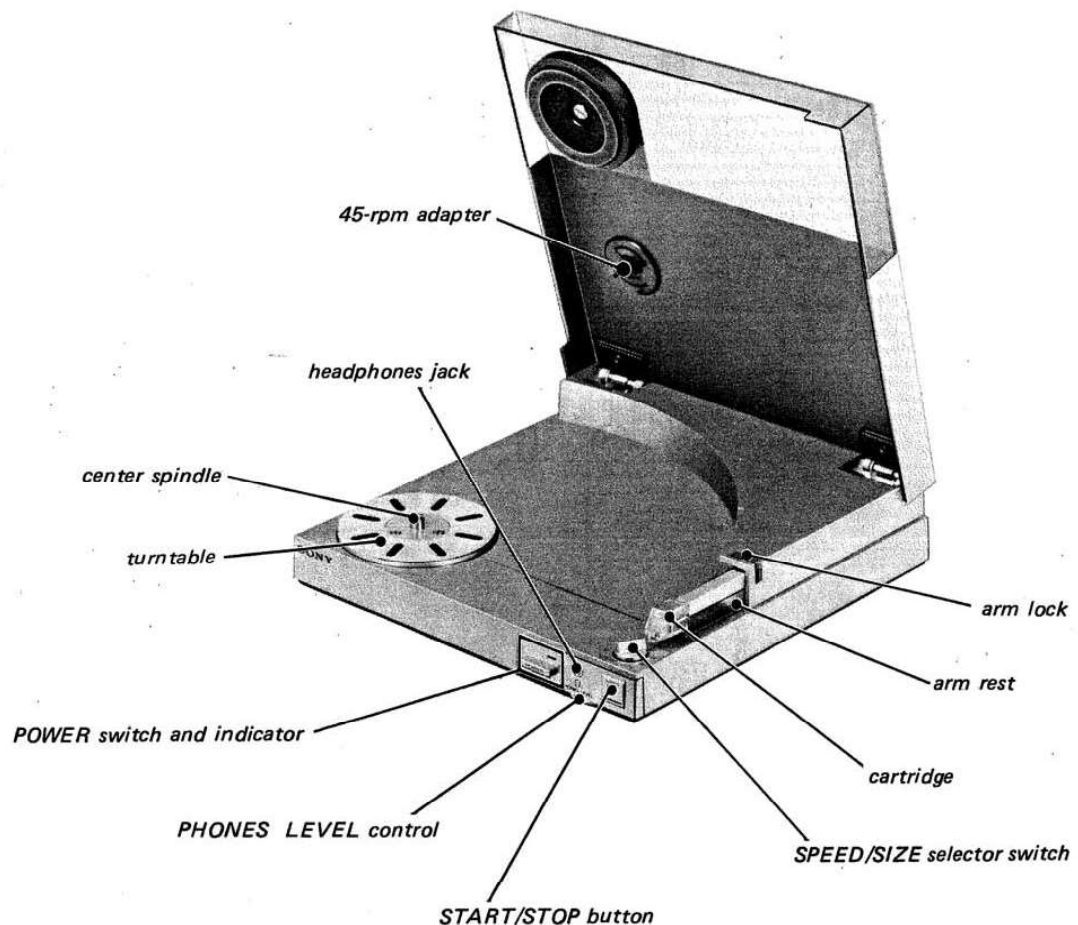
## SERVICE MANUAL

## SECTION 1 OUTLINE

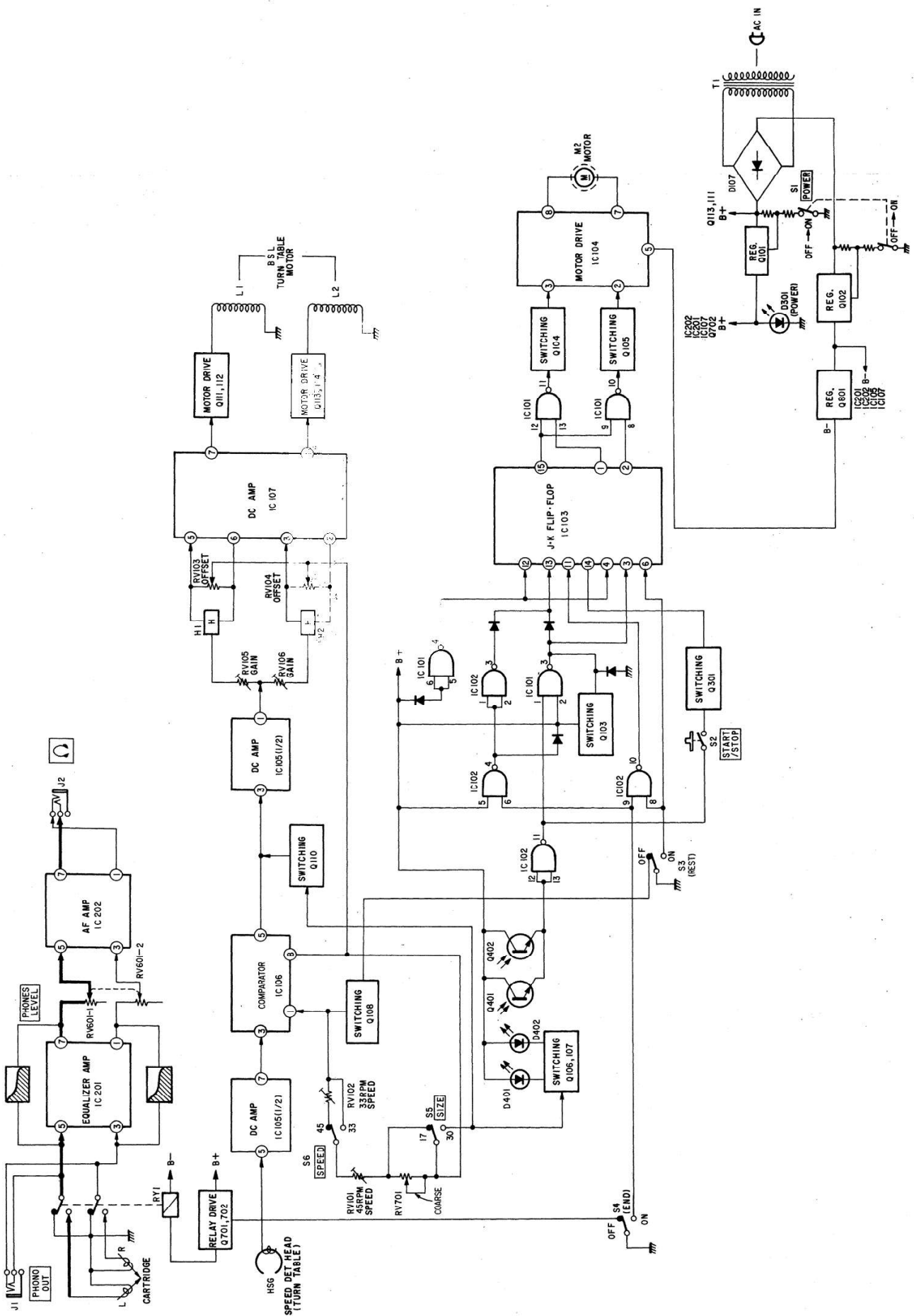
### FEATURES

- 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



1-2. BLOCK DIAGRAM



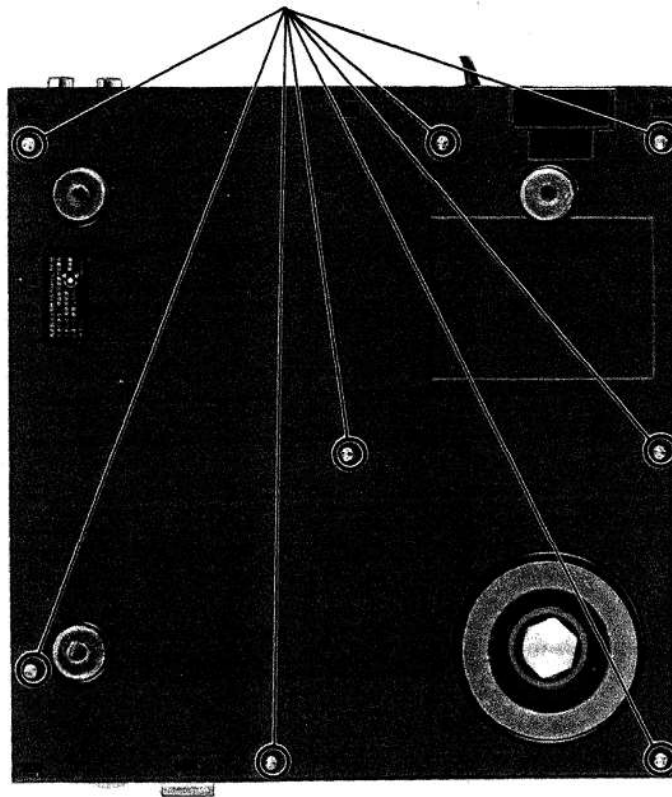
## SECTION 2 DISASSEMBLY

**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.

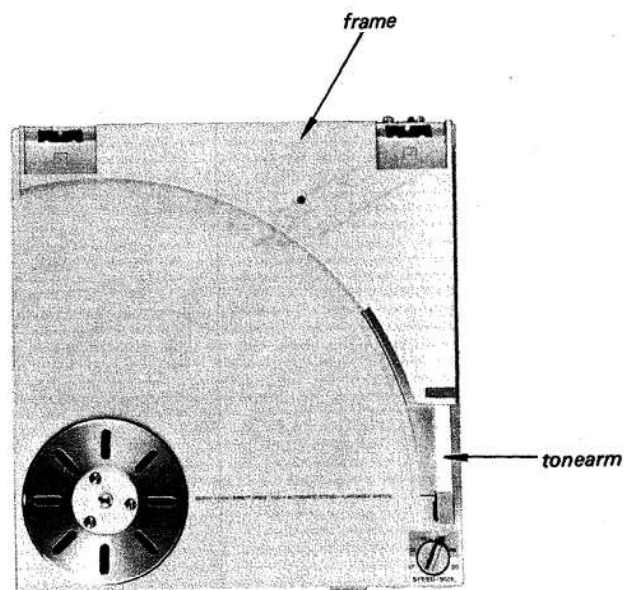


③ Remove the bottom cover.



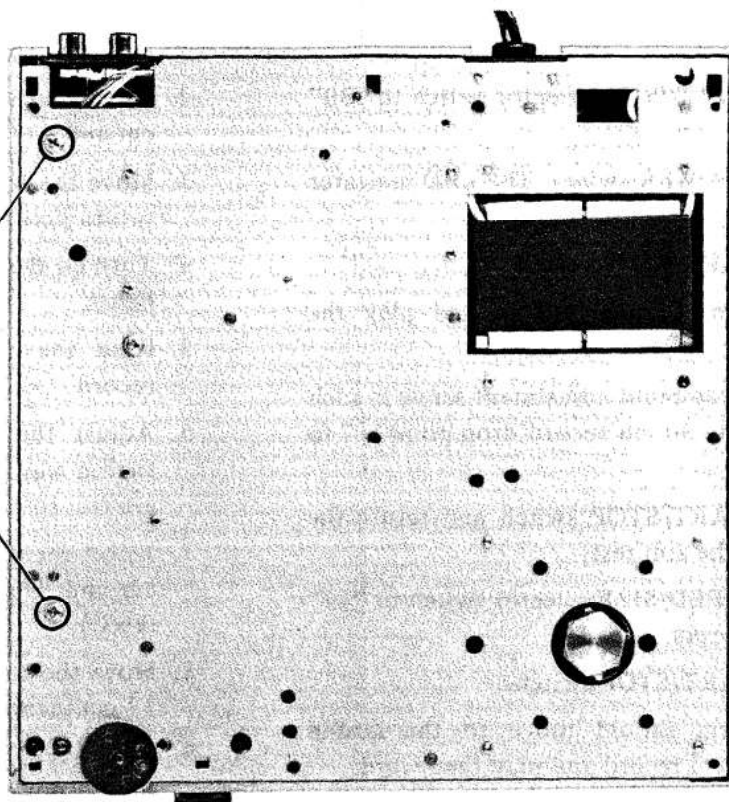
④ Set the player system normal position, turntable side facing top.

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

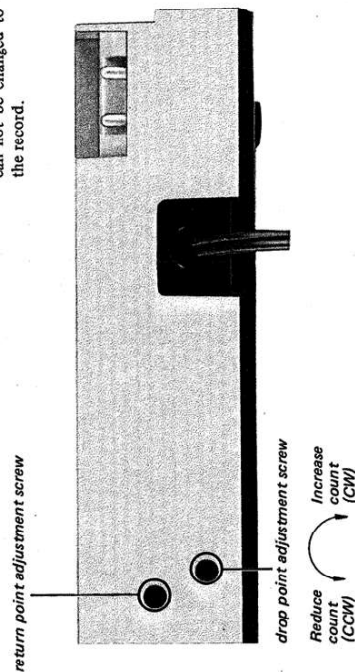
#### Drop Point Adjustment

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

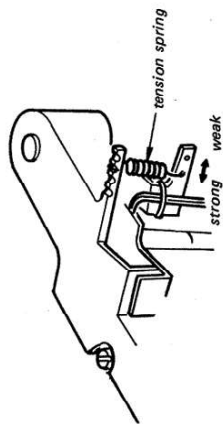
1. Put the return point adjustment record (Toshiba 8602-44, 45) on the turn table.
2. Select the SPEED/SIZE selector switch to "30" cm and "33" rpm.
3. Move the tone arm to the start position of the return point groove by hand.
4. Turn on the POWER switch. The LED indicator lights.
5. Push the START/STOP 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.



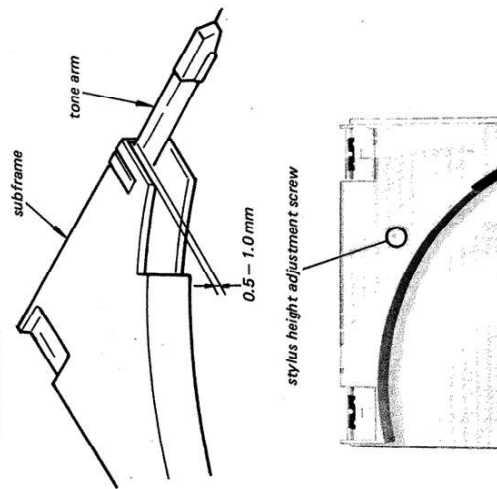
#### Stylus Pressure Adjustment

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 1.943 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.

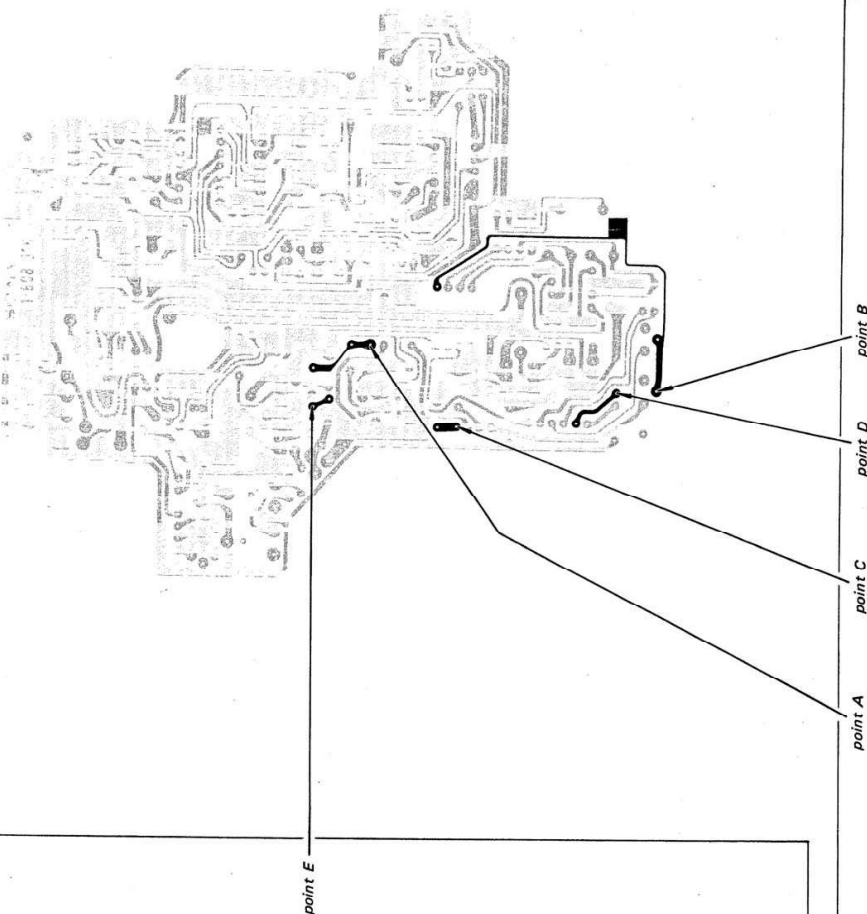
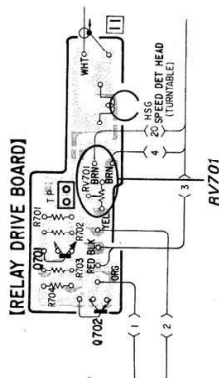
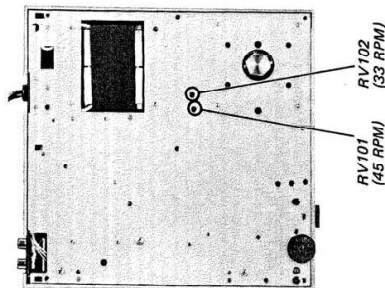


## 3-2. ELECTRICAL ADJUSTMENT

## Speed Adjustment

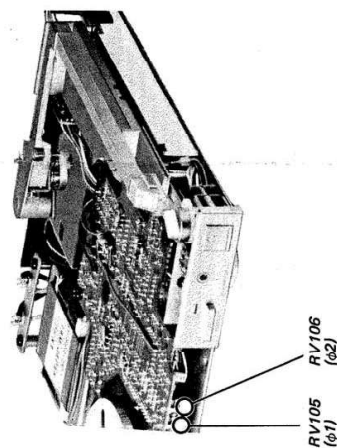
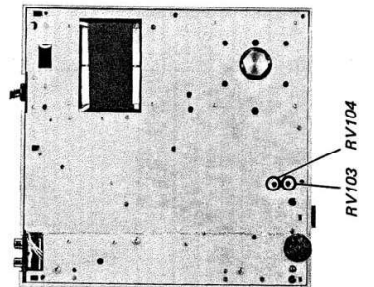
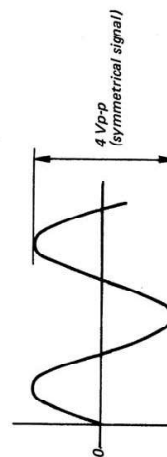
1. Prepare the retainer block. Part no.: 4-885-128-00
2. Connect a frequency counter which has good sensitivity at low frequency to the check point E.
3. Select the SPEED/SIZE selector switch to "17" cm and "45" rpm.
4. Put a 17 cm record and the retainer block on the turn table and play the record under 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).

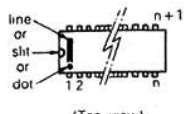
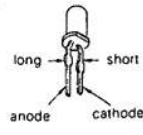
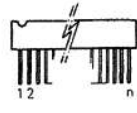
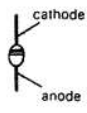
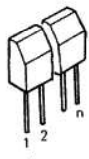
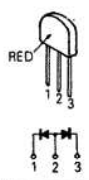
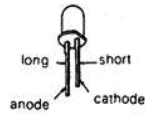
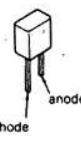
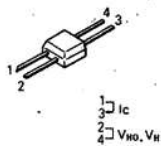


## Gain and Offset Adjustment

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 RV105 (gain adjustment) and RV104 (offset adjustment) in such a way that the output at the point D is 4 Vp-p.

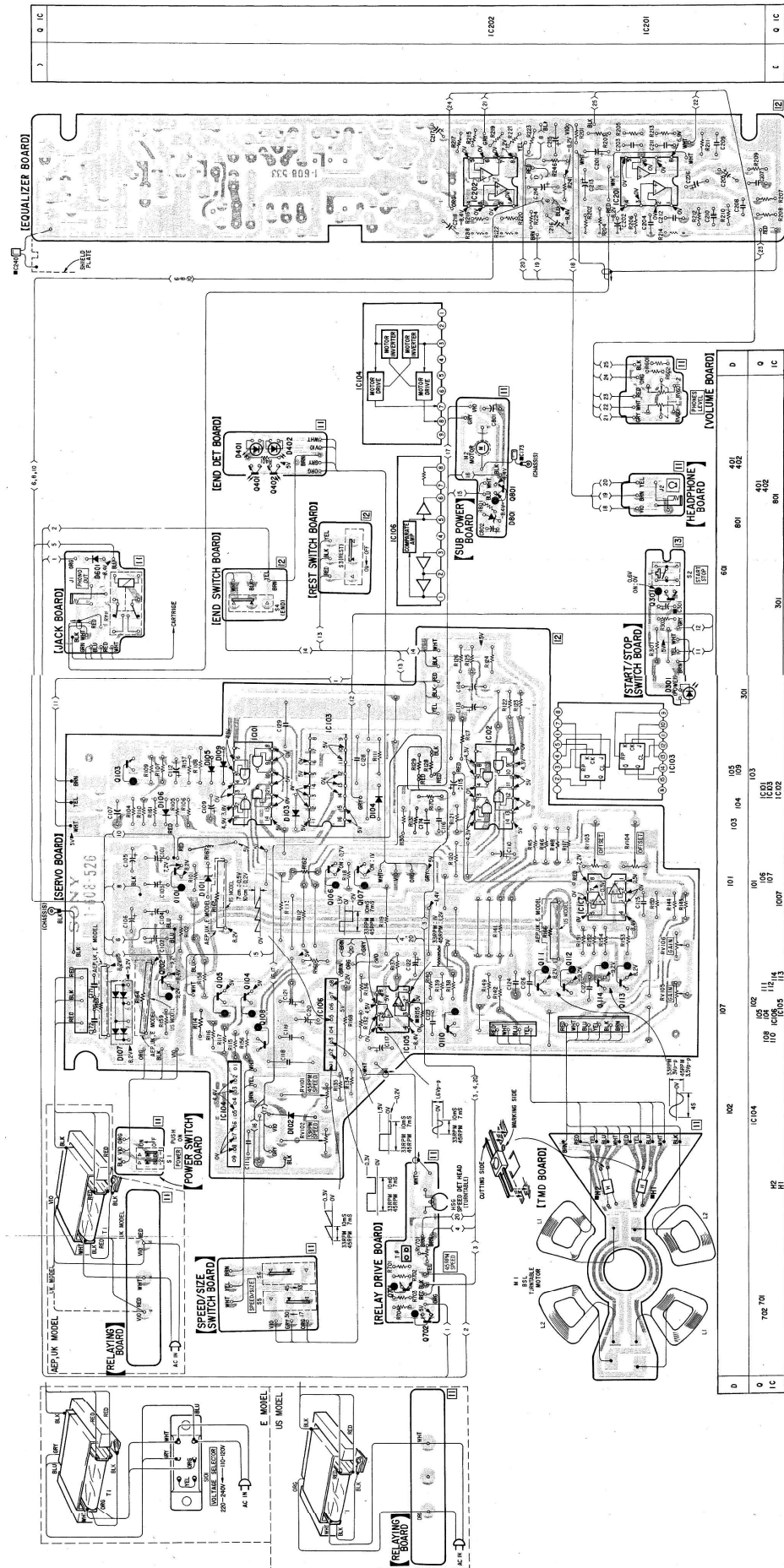


# Semiconductor Lead Layouts

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

# SECTION 4 DIAGRAMS

4-1. MOUNTING DIAGRAM  
— Conductor Side —



Note:  
• Cover code of sleeve over the end of the jacket.



- : parts extracted from the component side.
- : parts extracted from the conductor side.
- : parts mounted on the conductor side.
- : B + pattern
- ▨ : B - pattern

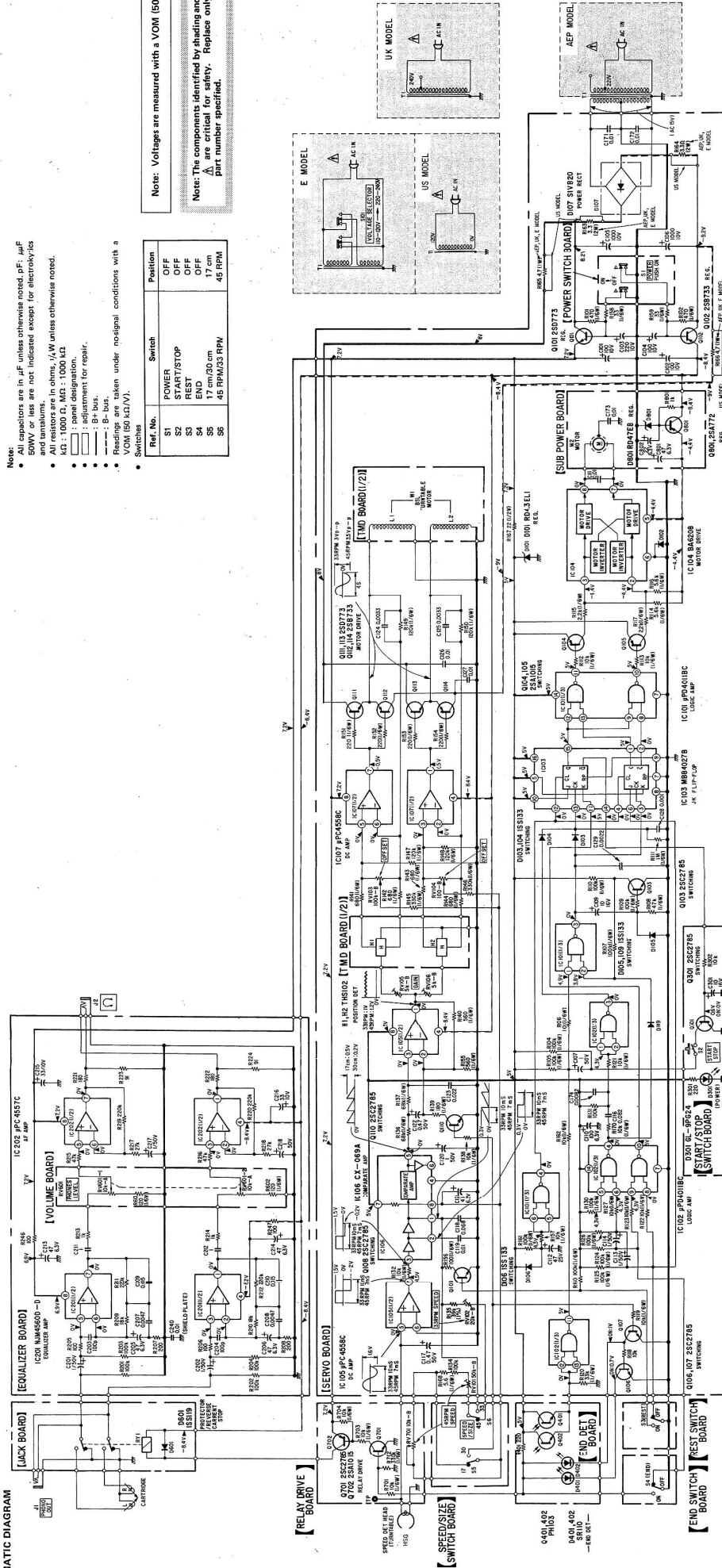
# 4.2. SCHEMATIC DIAGRAM

- 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.
  - All resistors are in ohms,  $\frac{1}{4}\text{W}$  unless otherwise noted.
  - $\text{k}\Omega$ : 1000  $\Omega$ ,  $\text{M}\Omega$ : 1000  $\text{k}\Omega$ .
  - $\square$ : panel designation.
  - $\square$ : adjustment for repair.
  - $\square$ : 8P bus.
  - Readings are taken under no-signal conditions with a VOM 50  $\Omega$  (V).
  - Switches

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

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

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



# SECTION 5 EXPLODED VIEW AND PARTS LIST

A

B

C

D

(1).

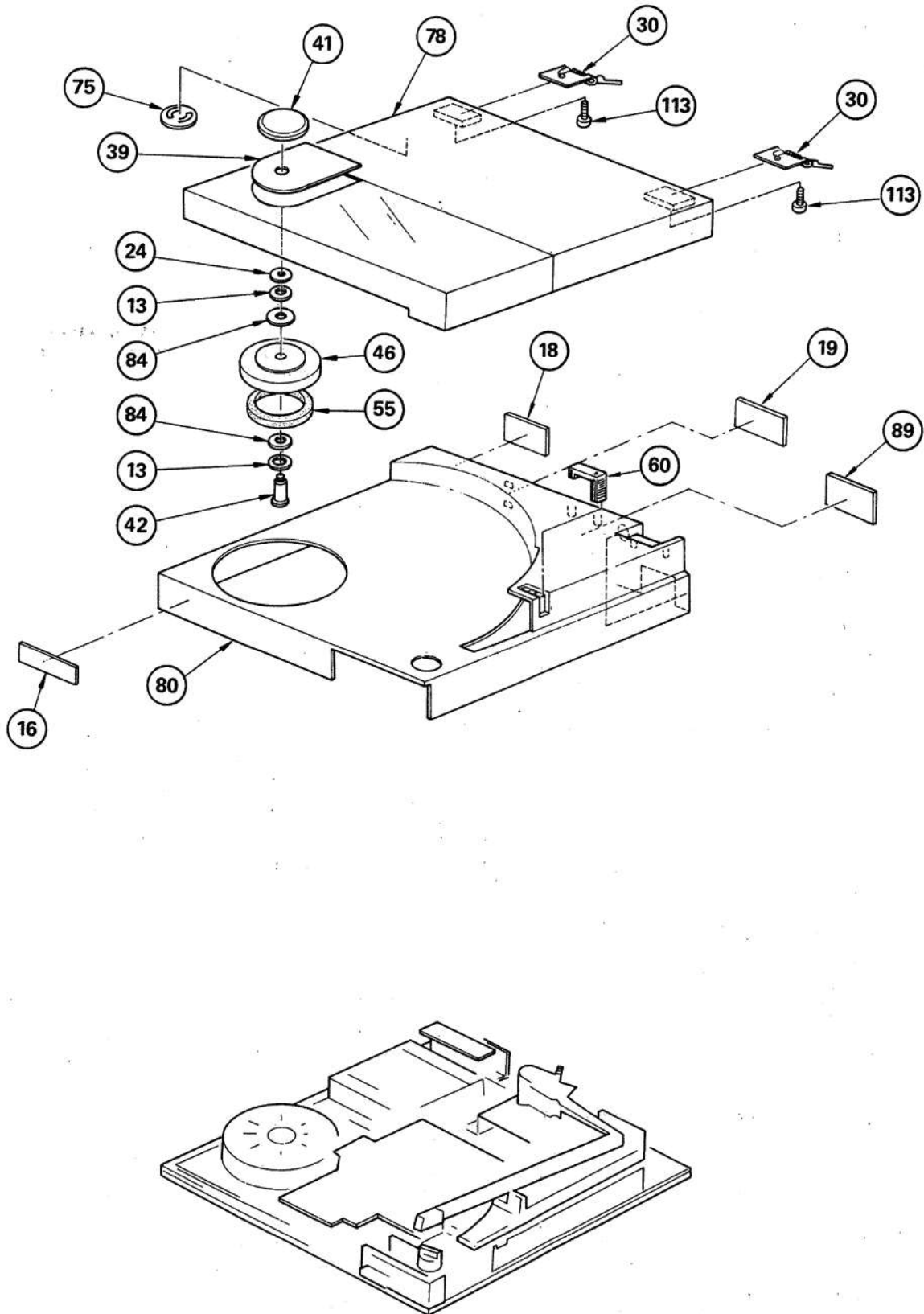
1

2

3

4

5



D

5



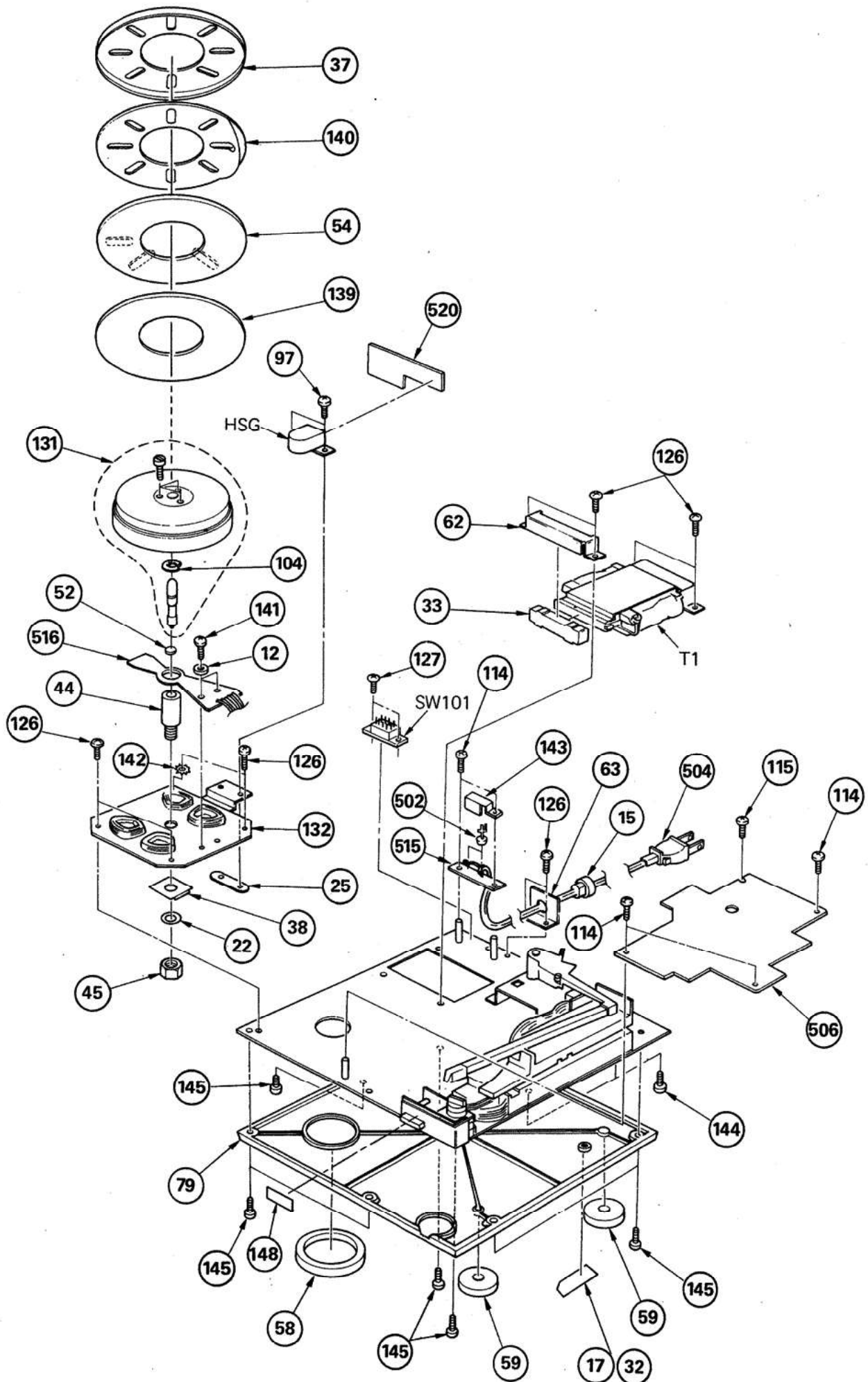
A

B

C

D

(2).



D



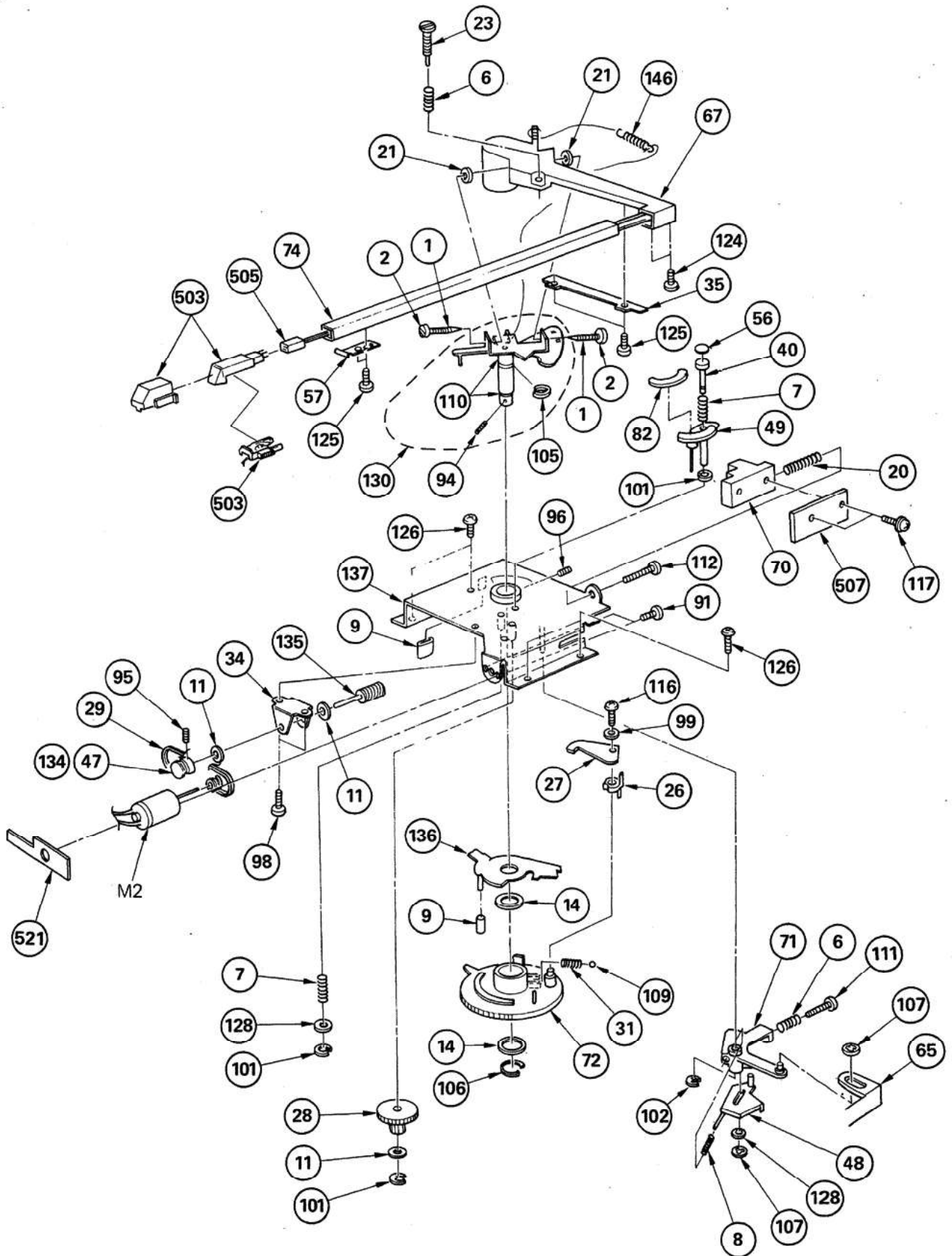
A

B

C

D

(4).



# 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), 0                 |
| 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, LOWER, 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:

- 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: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                            |

## 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

# 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                                  |

## 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                        |

## 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 (▲-▲▲▲-▲▲▲-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

## 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 NJM4560D-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                  |         |    |      |   |
| SW10    | 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 | (US).....TRANSFORMER, POWER   |         |    |      |   |

## 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: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

## COILS

- MMH : mH, UH : μH

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

## SEMICONDUCTORS

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

# 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

| RATING    |              |           |              |           |              |           |              |
|-----------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|
| CAP. (pF) | 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

| RATING → : Use the high voltage rated one. |              |              |           |              |              |
|--------------------------------------------|--------------|--------------|-----------|--------------|--------------|
| CAP. (μF)                                  | 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 |           |              |              |

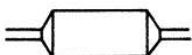
# MYLAR CAPACITORS

| RATING    |              |              |              |           |              |              |              |           |              |              |              |
|-----------|--------------|--------------|--------------|-----------|--------------|--------------|--------------|-----------|--------------|--------------|--------------|
| CAP. (μF) | 50 VOLT.     | 100 VOLT.    | 200 VOLT.    | CAP. (μF) | 50 VOLT.     | 100 VOLT.    | 200 VOLT.    | CAP. (μF) | 50 VOLT.     | 100 VOLT.    | 200 VOLT.    |
|           | 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      | 1-108-854-00 | —            | —            |
| 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      | 1-108-855-00 | —            | —            |
| 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      | 1-108-856-00 | —            | —            |
| 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      | 1-108-857-00 | —            | —            |
| 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

| RATING    |              |              |              |              |              |              |              |
|-----------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| CAP. (μF) | 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      |              |              |              |              | →            | 1-131-409-00 | 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

| RATING    |              |              |              |              |              |              |
|-----------|--------------|--------------|--------------|--------------|--------------|--------------|
| CAP. (μF) | 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 |              |              |              |              |              |

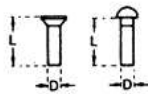
# 1/4 WATT CARBON RESISTORS

| $\Omega$ | Part No.     | $\Omega$ | Part No.     | $\Omega$ | Part No.     | $\Omega$ | Part No.     | $\Omega$ | Part No.     | $\Omega$ | Part No.     | $\Omega$ | 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

Screw:

P 3 x 10  
L: Length in mm  
D: Diameter in mm  
Type of head



Indicated slotted-head only.  
Unless otherwise indicated, it means cross-recessed head (Phillips type).

Nut, Washer, Retaining ring:

N 3  
Diameter of usable screw or shaft  
Reference designation

| 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<br>PSP             |       | pan-head screw with spring washer           | binding-head (B) screw and spring washer for replacement           |
| PSW<br>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.

# PS-Q7A

## SERVICE MANUAL

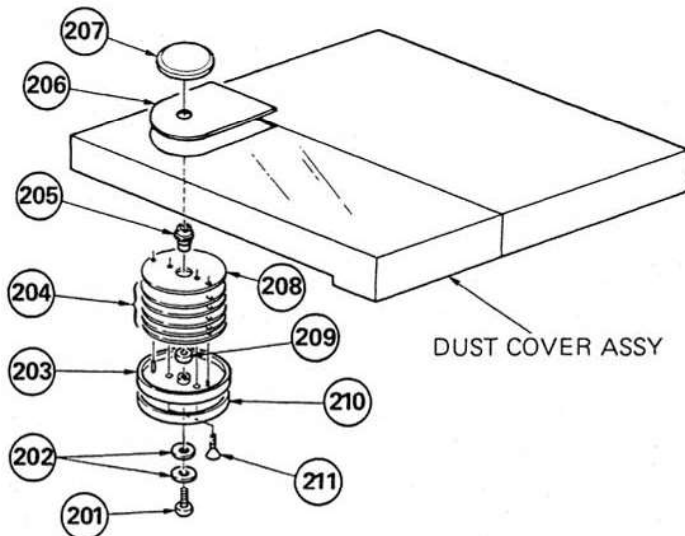
*AEP Model  
E Model*

- 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.



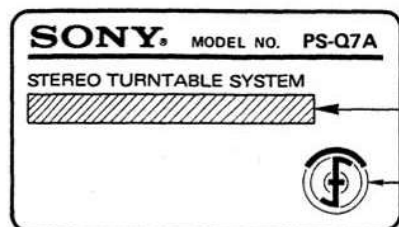
| No. | Part No.      | Description                     |
|-----|---------------|---------------------------------|
| 201 | 7-682-549-09  | SCREW +B 3X10                   |
| 202 | 3-663-748-00  | WASHER,SUS                      |
| 203 | 4-905-521-01  | CASE,WEIGHT                     |
| 204 | *4-905-502-01 | 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®

English

85C0636-1

Printed in Japan

1985

Sony Corporation



# STEREO TURNTABLE SYSTEM

# PS-Q7

*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)*

## SUPPLEMENT

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.

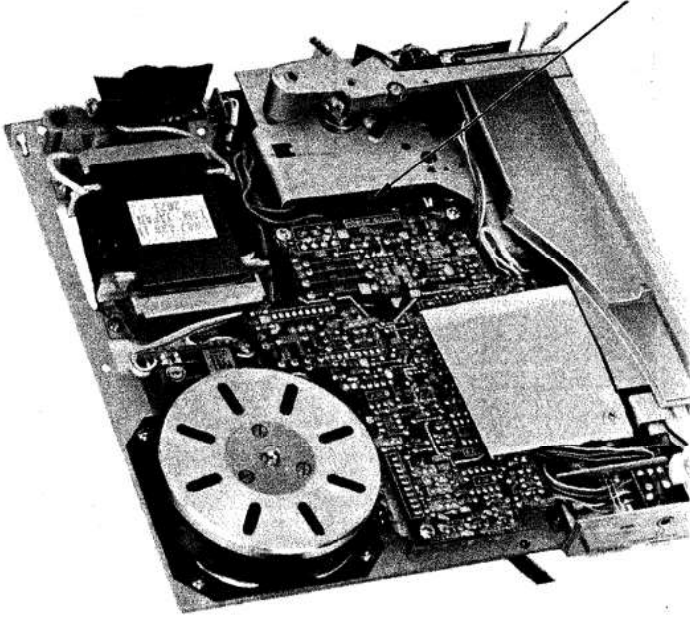
File this supplement with the service manual.

**SONY®**  
**SERVICE MANUAL**

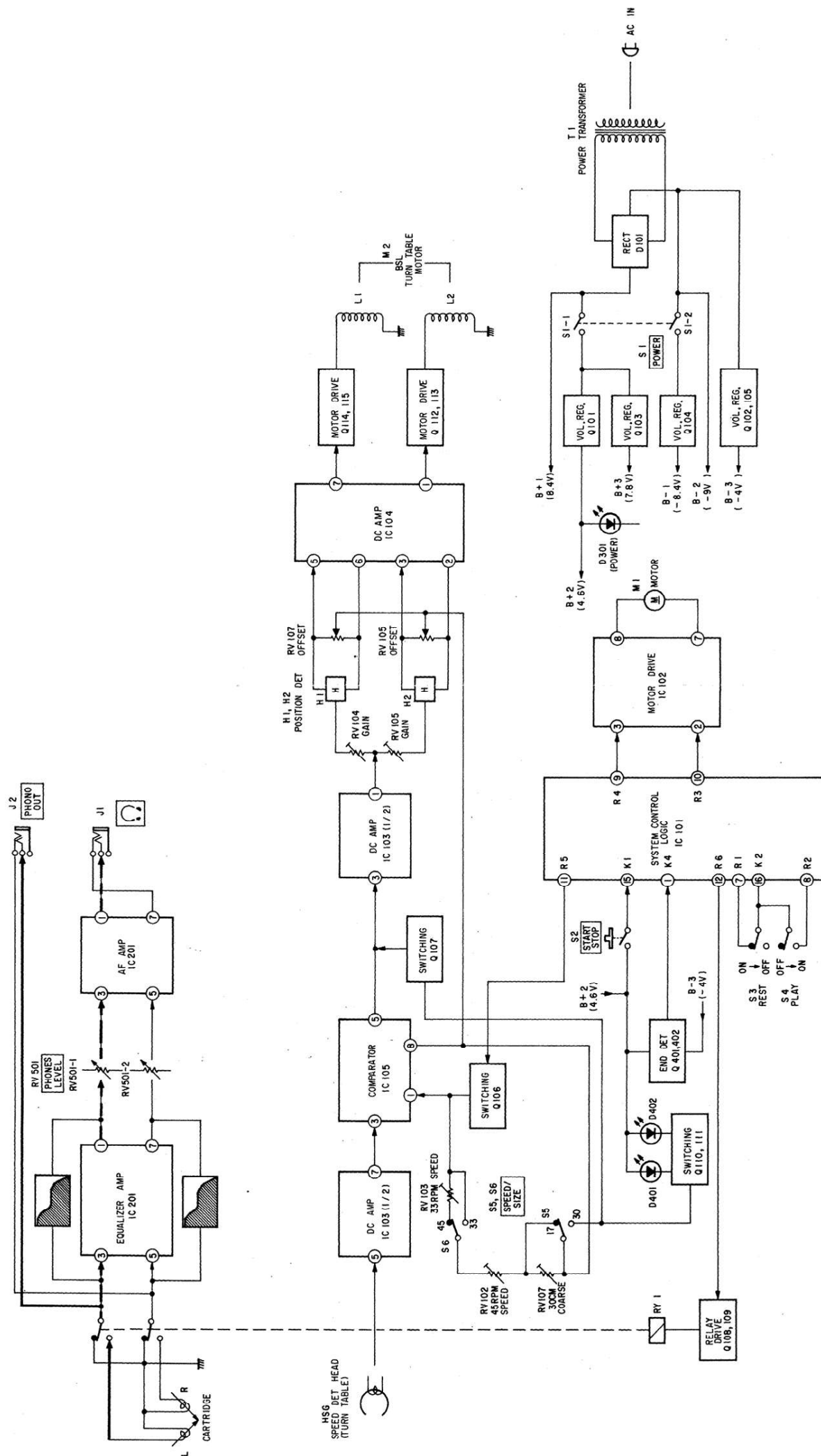
## SUPPLEMENT No. 2

### 1. NOTE ON REASSEMBLING CAM GEAR

*When reassembling, make sure the protrusion of the cam gear does not land on the lever of the REST switch (S3). When it does, push the lever in to clear the landing.*



## 2. BLOCK DIAGRAM

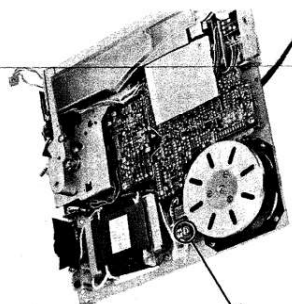
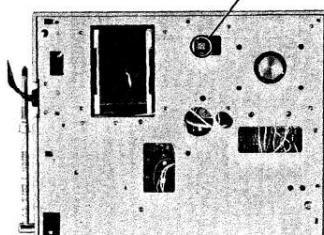
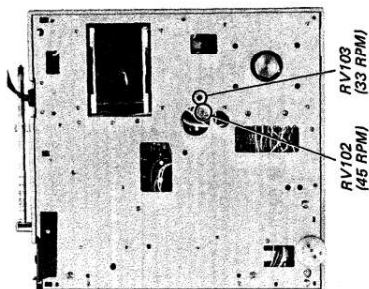


## 3-1. ELECTRICAL ADJUSTMENTS

## Speed Adjustment

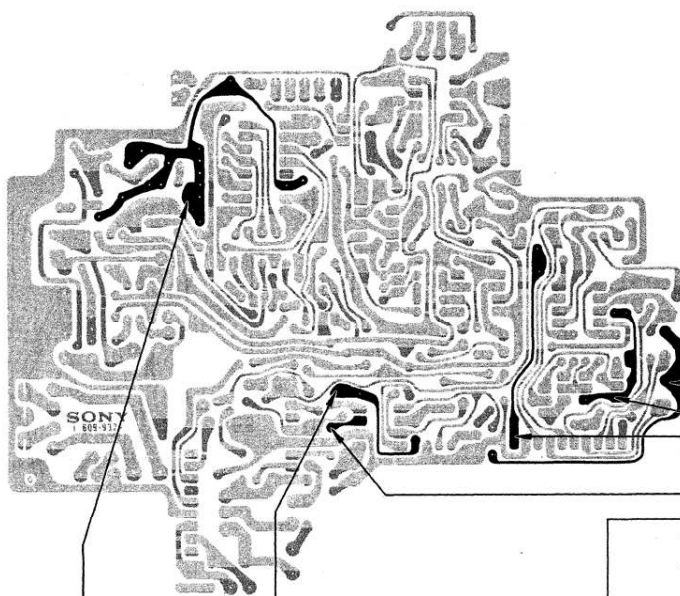
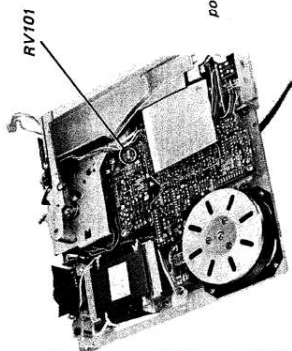
1. Prepare the retainer block. Part no.: 4-885-128-00
2. Connect a frequency counter which has good sensitivity at low frequency to the check point E.
3. Select the SPEED/SIZE selector switch to "17" cm and "45" rpm.
4. Put a 17 cm record and the retainer block on the turntable and play the record under 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).



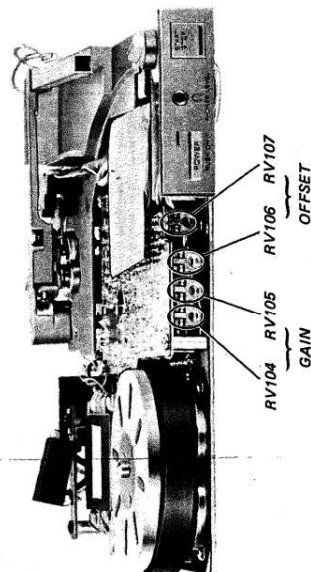
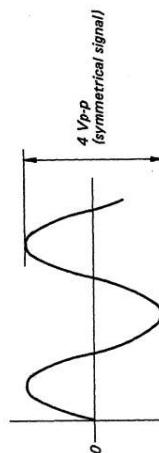
## B- Voltage Adjustment

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



## Gain and Offset Adjustment

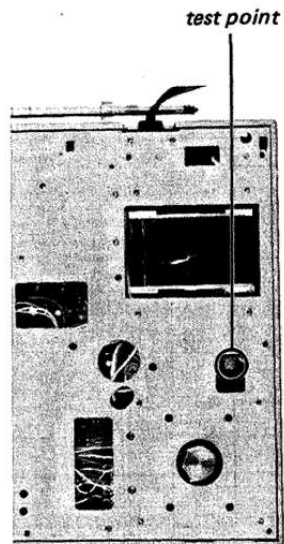
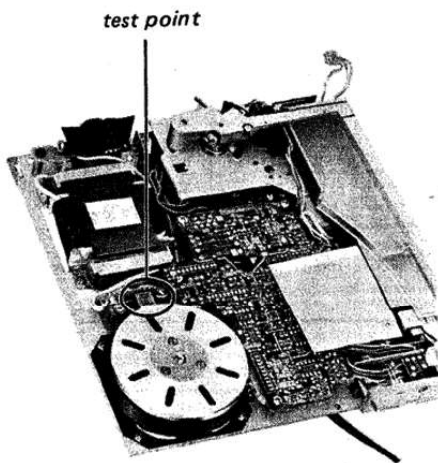
1. Select the SPEED/SIZE selector switch to "17" cm and "45" rpm under the player system is in STOP condition.
2. Apply about 0.8 VDC to the point A and adjust the DC output voltage to obtain a 1.5 VDC at the point B.
3. Adjust the potentiometers RV104 (gain adjustment) and RV107 (offset adjustment)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



point A  
point C  
point D  
point B

**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.



## SUPPLEMENT No. 2

## SUPPLEMENT No. 2

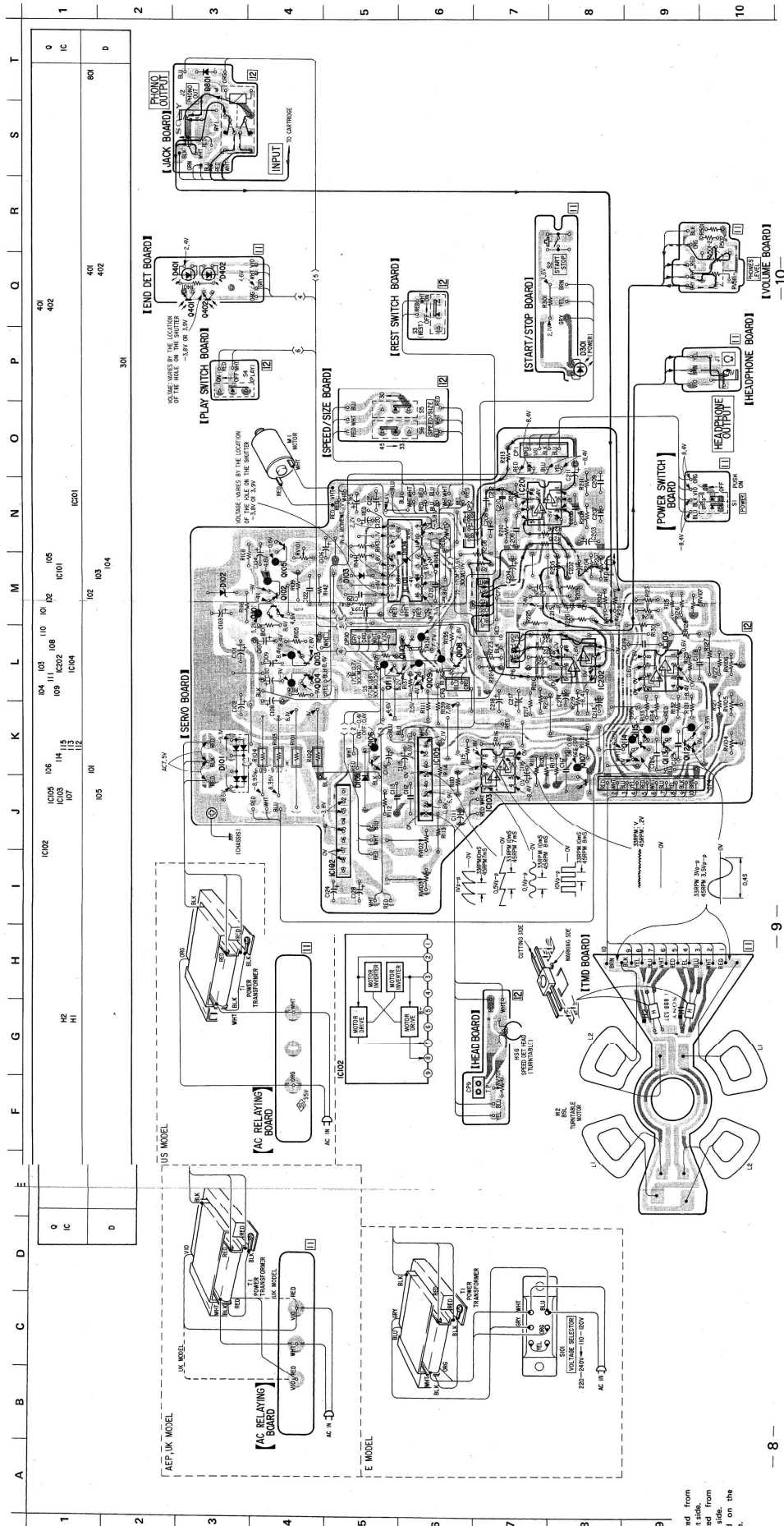
|                                                                                                                                               |                                                                                      |                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------|
| <p>NAM203SD<br/>D<br/>PC4557C<br/>PC4557C<br/>PC4557C</p>  |   | <p>S1V820</p>                          |
| <p>BA6208</p>                                              |   | <p>2SD1388</p>                         |
| <p>CX-068-A</p>                                            |   | <p>28S233<br/>28S233<br/>28S233</p>    |
| <p>GL-9P-024</p>                                           |   | <p>25A1175</p>                         |
| <p>RD47EL3<br/>18228-17</p>                                |   | <p>28C248P<br/>28C248P<br/>28C248P</p> |
| <p>SLP1368<br/>17L1214</p>                                 |   | <p>28C710</p>                          |
| <p>SR110</p>                                               |   | <p>PH103</p>                           |
| <p>THS102</p>                                             |  | <p>28C248P<br/>28C248P<br/>28C248P</p> |

**Note:**

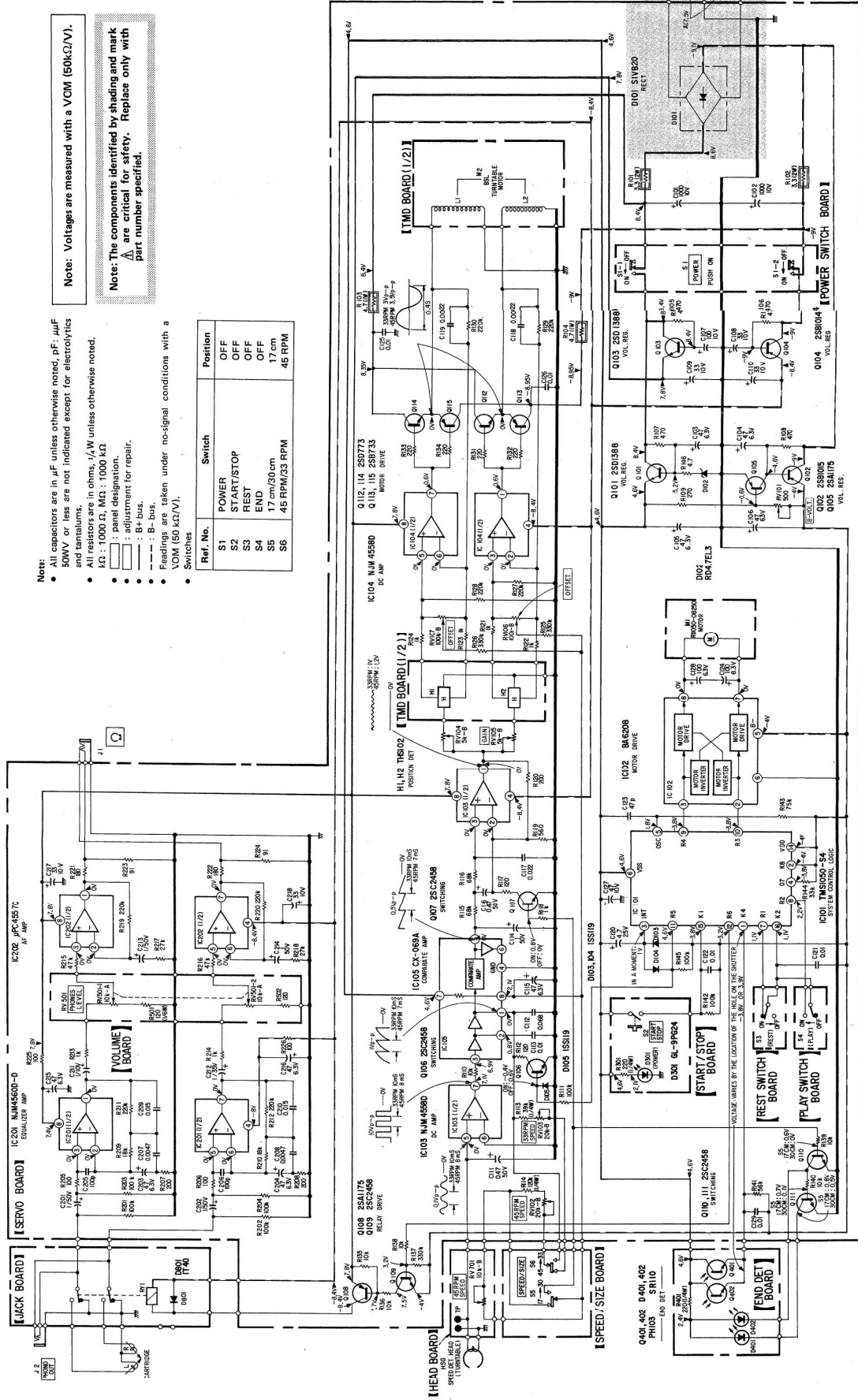
- Color code of sleeving over the end of the jacket.
- : parts extracted from the component side.
- : parts extracted from the conductor side.
- : part mounted on the conductor side.
- ▨ : B + pattern
- : B + pattern



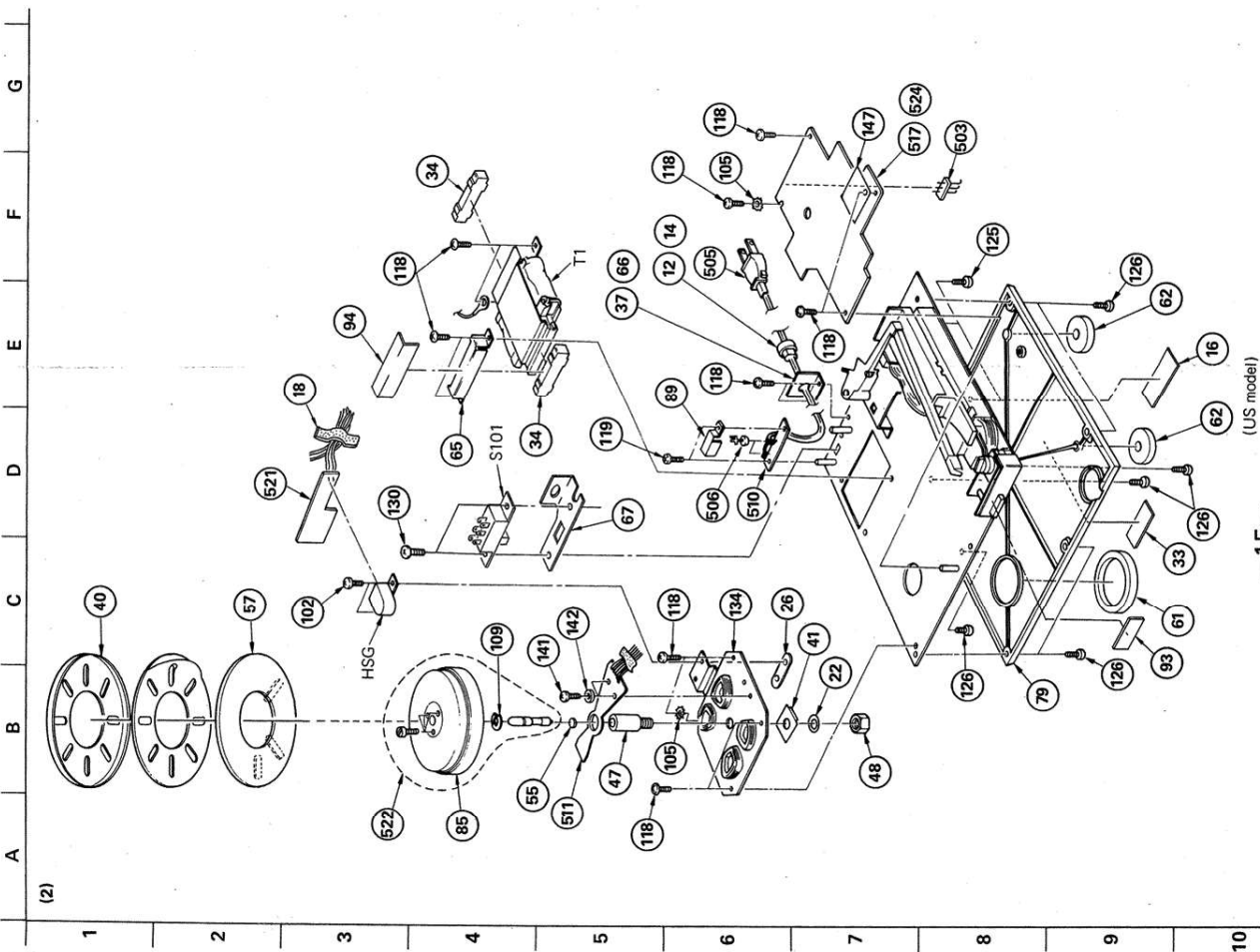
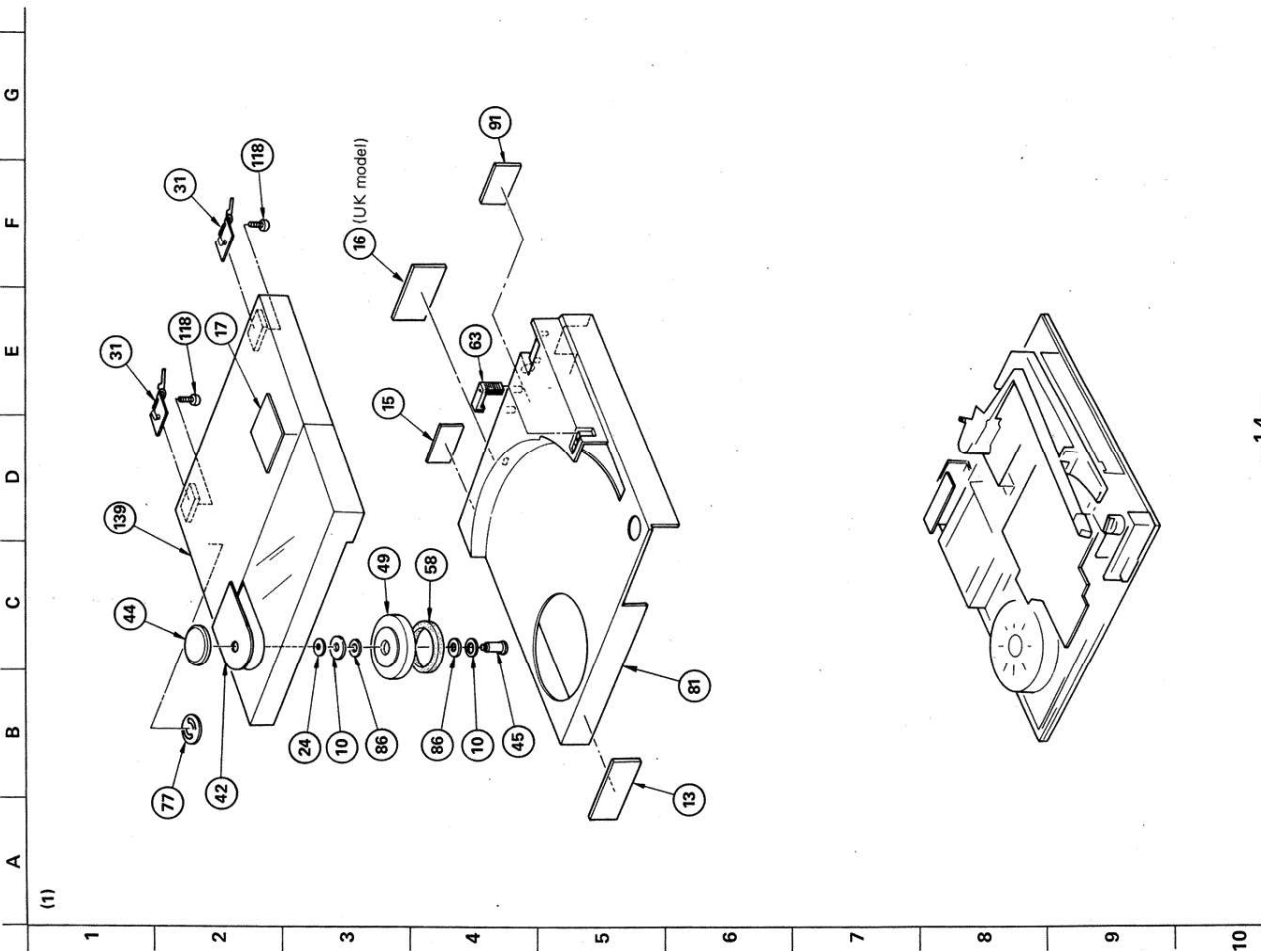
The diagram shows a cable jacket with a sleeve. The sleeve has a color code of 100-100-100. The component side view shows the sleeve and the conductor side view shows the sleeve and the conductor side.

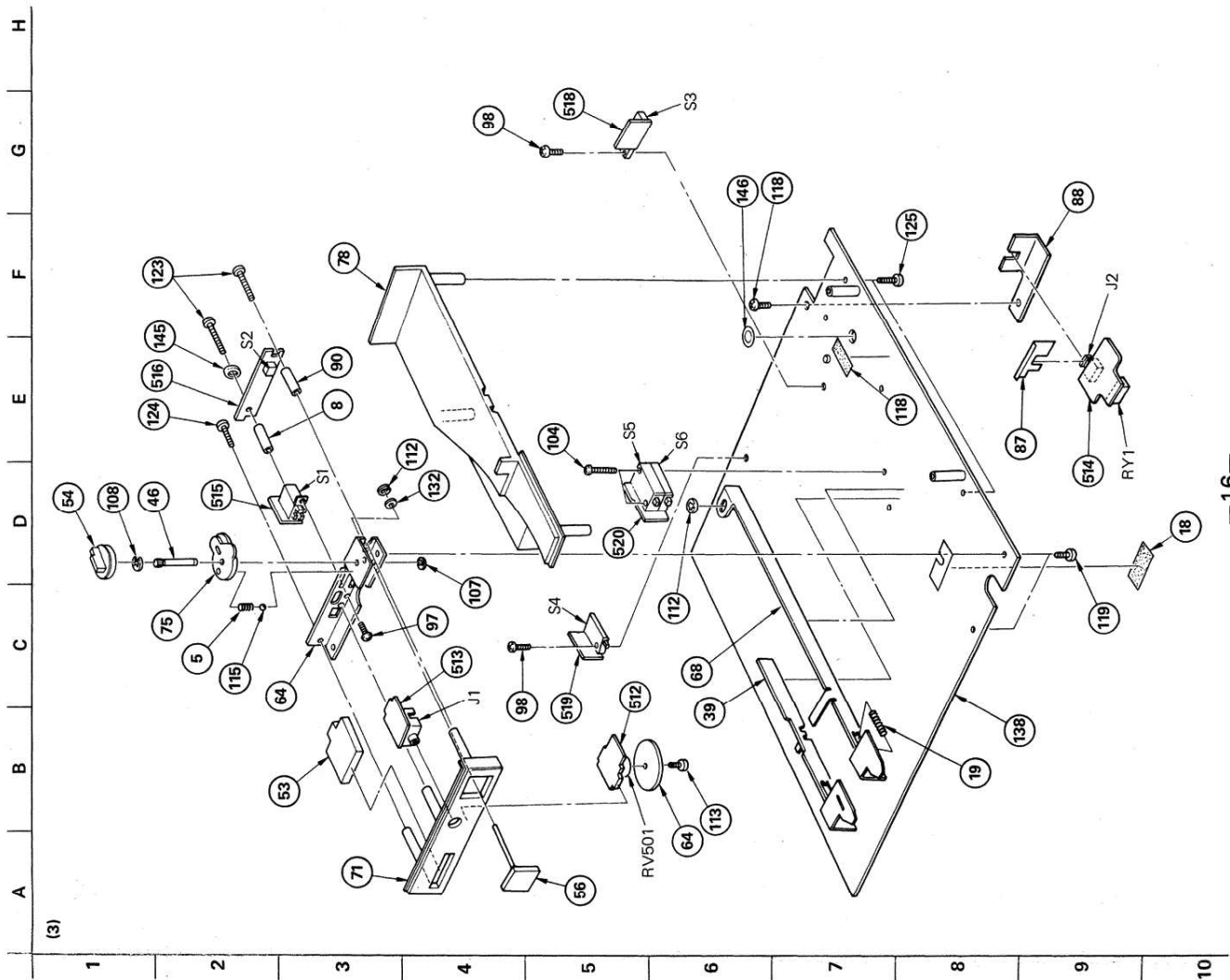
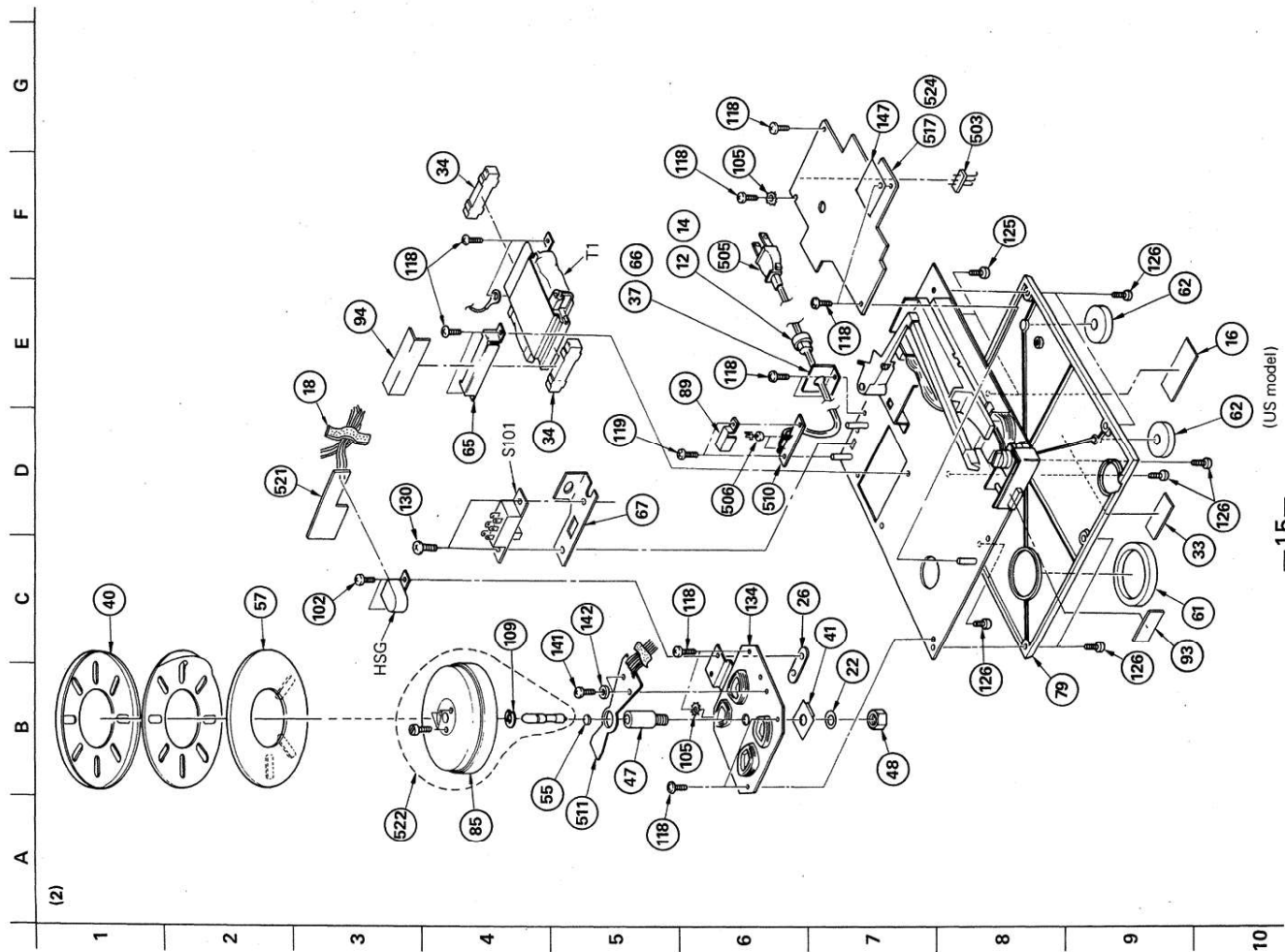


SCHEMATIC  
DIAGRAM



6. EXPLODED VIEWS





A

B

C

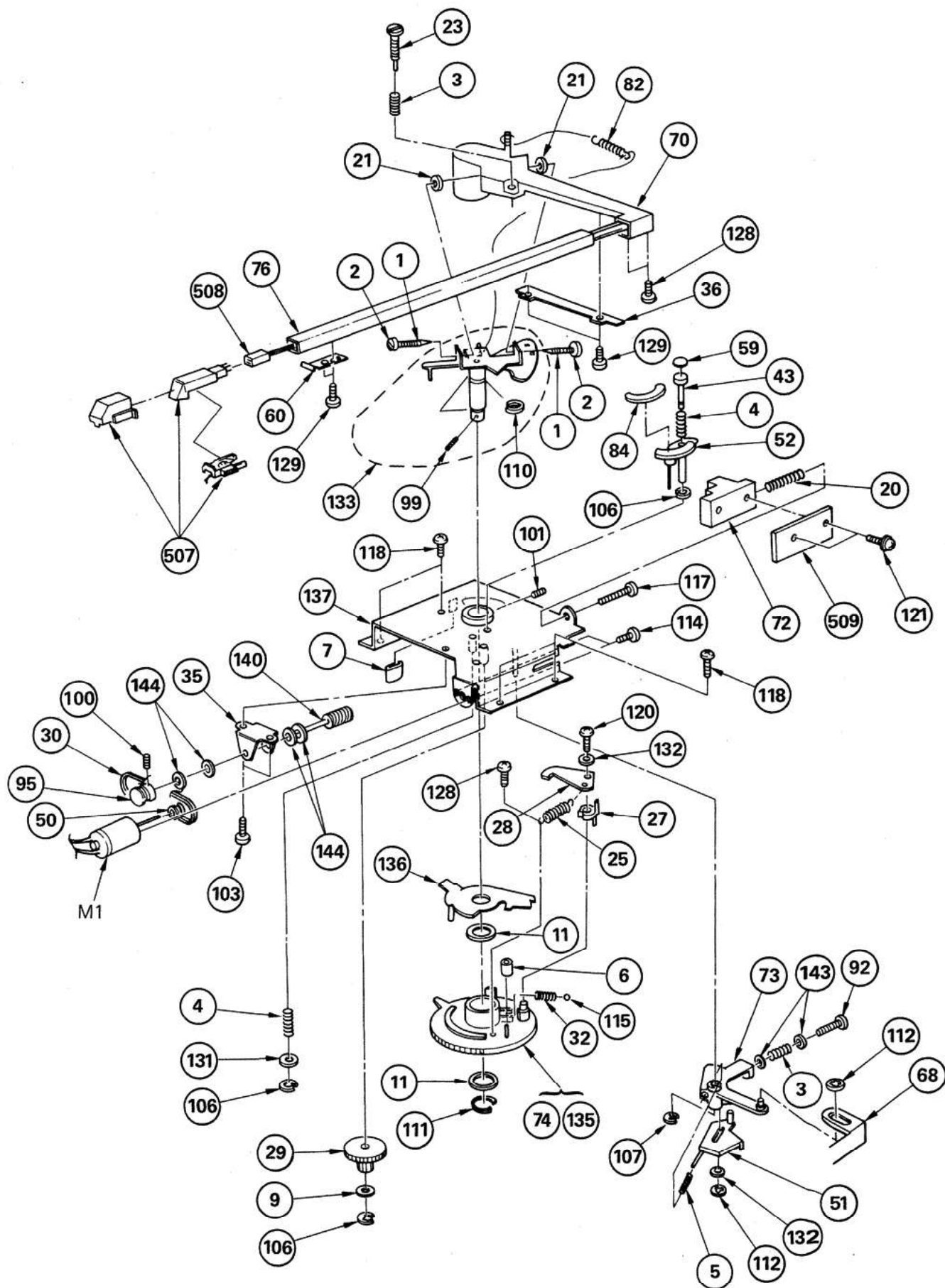
D

E

F

G

(4)



## SUPPLEMENT No. 2

### 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: 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                             |
|-----|--------------|-----------------------------------------|
| 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   |

## 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: 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

## 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 | 4-885-101-3  | PLATE ASSY, LEAD-IN            |
| 137 | 4-885-103-3  | CHASSIS ASSY, SUB              |
| 138 | 4-885-105-2  | (E).....CHASSIS ASSY (2)       |
| 138 | 4-885-106-0  | (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 | 4-885-111-0  | 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               |

## SEMICONDUCTORS

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

## COILS

- MMH : mH, UH : μH

# SUPPLEMENT No. 2

## 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     | Δ-1-534-817-XX | (AEP)....CORD, POWER                     |
| 505     | Δ-1-551-472-00 | (E).....CORD, POWER                      |
| 505     | Δ-1-551-506-XX | (US).....CORD, POWER                     |
| 505     | Δ-1-551-884-00 | (UK).....CORD, POWER                     |
| 505     | Δ-1-555-734-00 | (E).....CORD, POWER                      |
| 506     | Δ;1-535-416-00 | (US,AEP,UK)....TERMINAL                  |
| 507     | 1-549-113-12   | CARTRIDGE                                |
| 508     | 1-556-504-00   | CONNECTOR, PLUG IN TYPE                  |
| 509     | Δ;1-608-527-00 | PC BOARD, END DETECT                     |
| 510     | Δ;1-608-536-00 | (US,AEP,UK)...PC BOARD, PRIMARY RELAYING |
| 511     | Δ;1-608-537-00 | PC BOARD, TMD                            |
| 512     | Δ;1-608-538-00 | PC BOARD, VOLUME CONTROL                 |
| 513     | Δ;1-608-539-00 | PC BOARD, HEADPHONE                      |
| 514     | Δ;1-608-853-12 | PC BOARD, JACK                           |
| 515     | Δ;1-609-929-00 | PC BOARD, POWER SWITCH                   |
| 516     | Δ;1-609-930-00 | PC BOARD, START STOP                     |
| 517     | Δ;1-609-932-12 | PC BOARD, SERVO                          |
| 518     | Δ;1-609-933-12 | PC BOARD, REST SWITCH                    |
| 519     | Δ;1-609-934-12 | PC BOARD, PLAY SWITCH                    |
| 520     | Δ;1-609-935-12 | PC BOARD, SPEED/SIZE                     |
| 521     | Δ;1-609-936-12 | PC BOARD, HEAD                           |
| 522     | A-4608-221-A   | ROTOR ASSY                               |
| 523     | A-4608-250-A   | MOTOR ASSY                               |
| 524     | Δ;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                 |

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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: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

### COILS

- MMH : mH, UH : μH

## 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     | Δ;1-560-603-00 | PIN, CONNECTOR 4P        |
| CP2     | Δ;1-560-602-00 | PIN, CONNECTOR 3P        |
| CP3     | Δ;1-560-708-00 | PIN, CONNECTOR 2P        |
| CP4     | Δ;1-560-607-00 | PIN, CONNECTOR 10P       |
| CP5     | Δ;1-560-604-00 | PIN, CONNECTOR 5P        |
| CP6     | Δ;1-560-602-21 | PIN, CONNECTOR 3P        |
| CP7     | Δ;1-560-603-21 | PIN, CONNECTOR 4P        |
| CP10    | Δ;1-560-603-31 | PIN, CONNECTOR 4P        |
| D101    | Δ-8-719-511-20 | DIODE 1SVB20             |
| 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             |

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

### SEMICONDUCTORS

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

## 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 NJM4560D-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 |

## 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: 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

# SUPPLEMENT No. 2

## 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      |      |    |      |

### 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  $\mu$ 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                         |
|---------|----------------|-------------------------------------|
| 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                        |
| S5      | 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         |

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....

**Sony Corporation**  
 Consumer Products Group  
 Technical Support Dept.

# PS-Q7

## 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