# PS-Q3

# SERVICE MANUAL

*US Model*
*Canadian Model*
*AEP Model*
*UK Model*
*E Model*


## SPECIFICATIONS

**Turntable**

| | |
|---|---|
| Platter | 7.8 cm (3 1/8 in.), zinc-alloy diecast |
| Motor | DC motor |
| Drive system | Belt drive |
| Control system | Electro governer servo control system |
| Speed | 33 1/3 rpm, 45 rpm |
| Wow and flutter | 0.12% (WRMS) |
| Signal-to-noise ratio | 58 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 kilohms |
| Tracking force | 2 g |
| Stylus | Sony ND-143G (0.6 mil diamond) |
| Weight | 3.4 g |

**General**

| | |
|---|---|
| Power requirements | US, Canadian model: 120 V ac, 60 Hz<br>AEP model: 220 V ac, 50/60 Hz<br>UK model: 240 V ~ ac, 50/60 Hz<br>E model: 110 – 120, 220 – 240 V ~ ac, 50/60 Hz |
| Power consumption | 3 W |
| Dimensions | Approx. 215 x 235 x 58 mm (w/h/d) (8 1/2 x 9 3/8 x 2 3/8 in.) including projecting parts and controls |
| Weight | Approx. 2.3 kg (5 lbs 2 oz) net<br>Approx. 3.0 kg (6 lbs 10 oz), in shipping carton |

**SAFETY-RELATED COMPONENT WARNING!!**

**COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS 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.**

**ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!**

**LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.**

MICROFILM

## STEREO TURNTABLE SYSTEM

SONY®

AUD

## SAFETY CHECK-OUT (US Model)

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

### LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

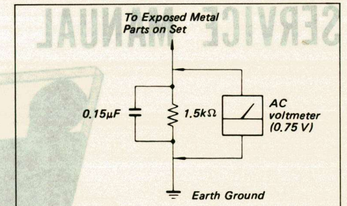
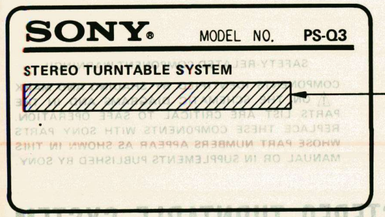



*Fig. A. Using an AC voltmeter to check AC leakage.*

### MODEL IDENTIFICATION

*– Specification Label –*

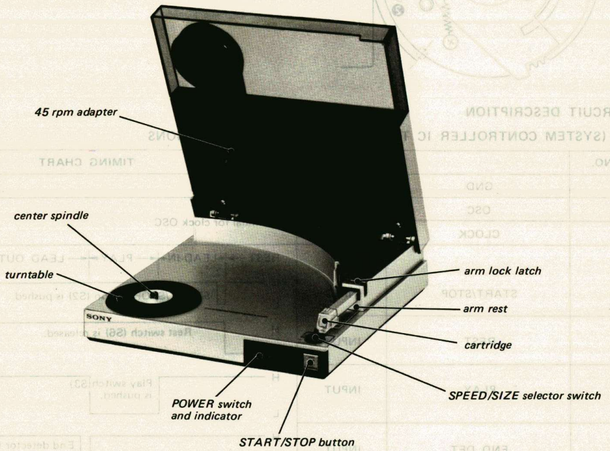



| | |
|---|---|
| US, Canadian model: | AC: 120 V 60 Hz 3 W |
| AEP model: | AC: 220 V ~ 50/60 Hz 3 W |
| UK model: | AC: 240 V ~ 50/60 Hz 3 W |
| E model: | AC: 110 – 120, 220 – 240 V ~ 50/60 Hz 3 W |



## SECTION 1
## OUTLINE

### 1-1. PARTS LOCATION



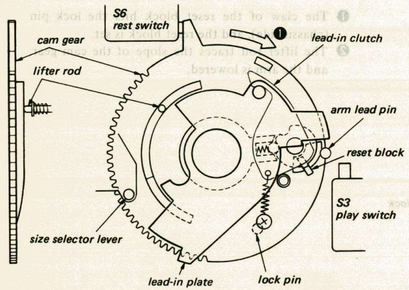





### 1-2. MECHANISM DESCRIPTION

### AUTOMATIC OPERATION MODE

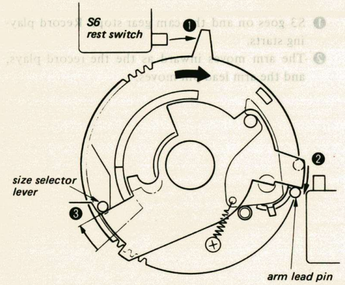
#### 1. REST




- Cam gear stops, pressing the rest switch.
- The lifter rod is in the "arm lifted" state.
- The arm lead pin is in the rest position.

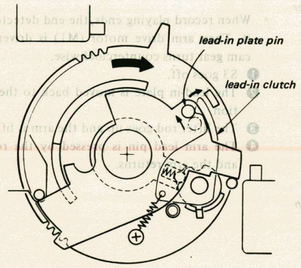
❶ The arm drive motor (M1) is driven when the START/STOP switch is pressed, and the cam gear turns. Then the turntable motor (M2) goes on.

#### 2. DROP POINT



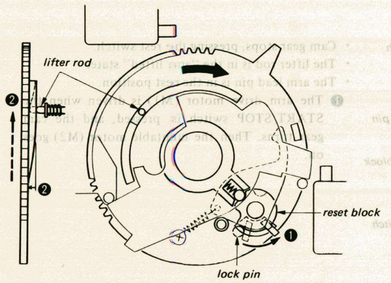

❶ S6 goes off.
❷ The arm lead pin is pressed and the arm moves inward.
❸ The lead-in plate hits the size selector lever, and the arm movement stops. (drop point)

#### 3. LEAD-IN CLUTCH RELEASE



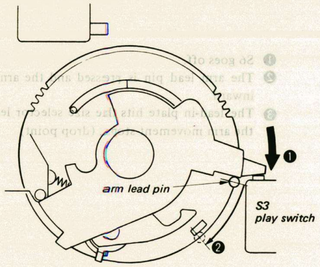

- Since the lead-in plate stops and the cam gear turns, the lead-in clutch comes off of the lead-in plate pin.

### 4. ARM DOWN



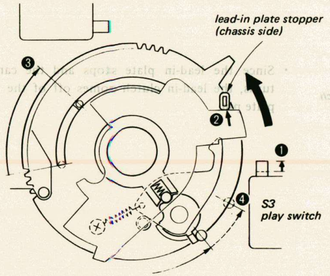

❶ The claw of the reset block hits the lock pin (chassis side), and the reset block is set.
❷ The lifter rod traces the slope of the cam gear, and the arm is lowered.

### 5. PLAYING RECORD




❶ S3 goes on and the cam gear stops. Record playing starts.
❷ The arm moves inward as the the record plays, and the arm lead pin moves.

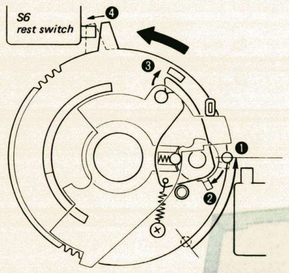
### 6. RETURN




• When record playing ends, the end detector detects it. Then arm drive motor (M1) is driven, and the cam gear turns counterclockwise.
❶ S3 goes off.
❷ The lead-in plate is moved back to the rest position.
❸ The lifter rod goes up and the arm is lifted.
❹ The arm lead pin is pressed by the reset block and the arm returns.



### 7. REST




❶ The arm is pressed till the arm rest position.
❷ The arm lead pin stops and the reset block is reset.
❸ The lead-in cam is locked.
❹ S6 goes on and the cam gear stops.
The turntable motor (M2) goes off. (Rest mode)

### 1-3. CIRCUIT DESCRIPTION

**IC102's (SYSTEM CONTROLLER IC TC9305P-009) TERMINAL FUNCTIONS**

| PIN NO. | | IN/OUT | TIMING CHART |
|---|---|---|---|
| 1 | GND | | Ground terminal |
| 2 | OSC | | Terminal for clock OSC |
| 3 | CLOCK | | |
| 4 | START/STOP | INPUT | REST — LEAD-IN — PLAY — LEAD OUT — REST; START/STOP button (S2) is pushed. |
| 5 | REST | INPUT | Rest switch (S6) is released. |
| 6 | PLAY | INPUT | Play switch (S3) is pushed. |
| 7 | END DET | INPUT | End detector (Q401/402) is ON. |
| 8 | SIZE SELECT | INPUT | 17 cm / 30 cm |
| 11 | SIZE 30 | OUTPUT | LED (D402) is on for 30 cm end detector. (30 cm / 17 cm) |
| 12 | SIZE 17 | OUTPUT | LED (D401) is on for 17 cm end detector. (17 cm / 30 cm) |
| 13 | ARM OUT | OUTPUT | Arm is lifted and moves outwards. |
| 14 | ARM IN | OUTPUT | Arm moves inwards and is lowered. |
| 15 | TT MOTOR | OUTPUT | Turntable motor (M2) is ON. |
| 16 | VDD | | Power supply terminal |

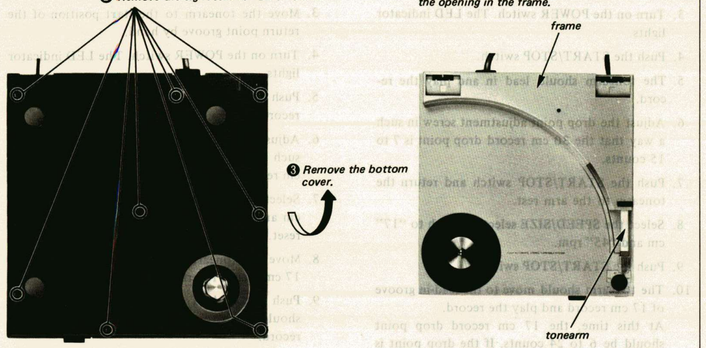




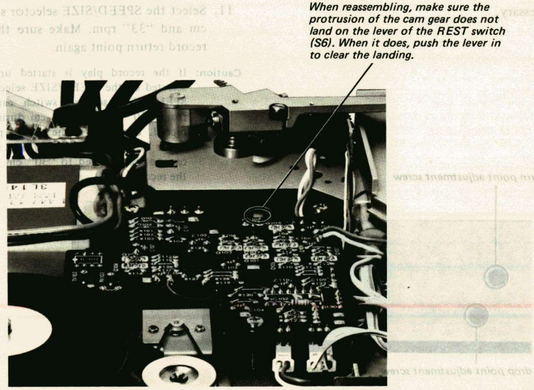
## SECTION 2
## DISASSEMBLY

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

**Frame**




**NOTE ON REASSEMBLING CAM GEAR**



# SECTION 3
# ADJUSTMENTS

## 3-1. MECHANICAL ADJUSTMENTS

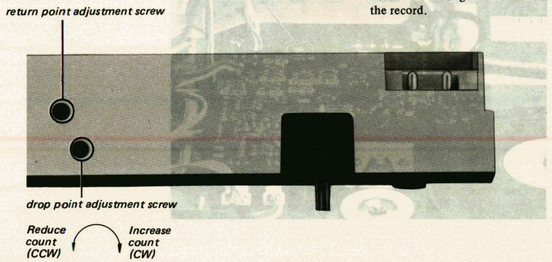
### Drop Point Adjustment

1. Set the test record (YFSC-16) on the turntable.
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 tonearm 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 tonearm 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 tonearm 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 (YFSC-16) on the turntable.
2. Select the SPEED/SIZE selector switch to "30" cm and "33" rpm.
3. Move the tonearm 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 tonearm returns at the 30 cm record return point 10 – 13 counts.
7. Select the SPEED/SIZE selector switch to "17" cm and "33" rpm. (The tonearm is on the arm reset.)
8. Move the tonearm to the start position of the 17 cm record return point groove by hand.
9. Push the START/STOP switch. The tonearm should down to the record groove and play the record.
10. The tonearm should stop playing the record an and return to the arm rest at the 17 cm record return point 14 – 17 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.

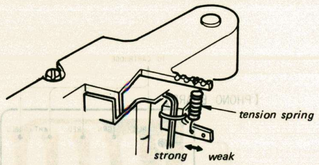
**Caution:** If the record play is started under "30" cm selected by the SPEED/SIZE selector switch, the SPEED/SIZE selector switch can be changed from "30" cm to "17" cm during playing the record. However, if the record play is started under "17" cm, the SPEED/SIZE selector switch can not be changed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





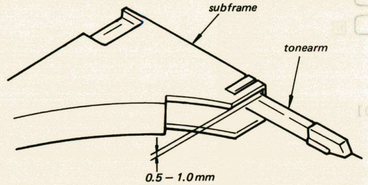

### Stylus Pressure Adjustment

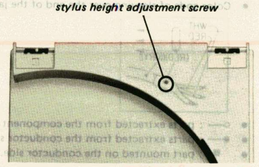
1. Turn on the POWER switch. Push the START/STOP switch to let the tonearm lead in.
2. Turn off the POWER switch.
3. Adjust the stylus pressure at the range of 1.8±0.3 g by changing the compression spring hooking position under the tonearm at horizontal.




### Stylus Height Adjustment

1. The tonearm is on the arm rest and UP condition.
2. Adjust the clearance between the tonearm 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 tonearm top surface does not touch with the subframe inside surface by leading in and returning the tonearm.



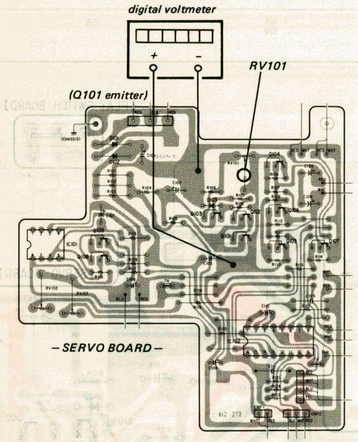





## 3-2. ELECTRICAL ADJUSTMENTS

### Power Voltage Adjustment

**Setting:**

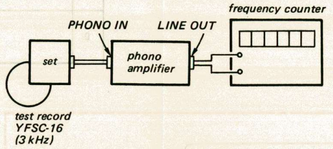



**Procedure:**

1. Turn on the POWER switch. (STOP mode)
2. Adjust RV101 for 3.1 V ± 0.1 V on the digital voltmeter.

### Speed Adjustment

**Setting:**

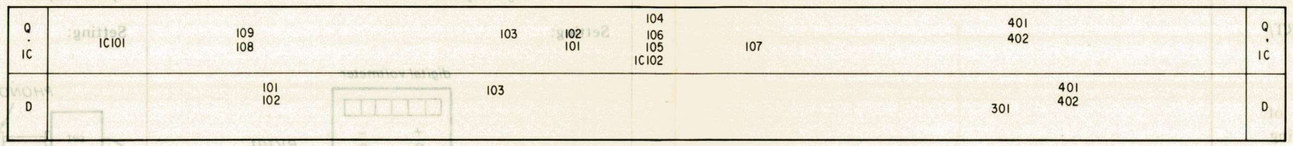


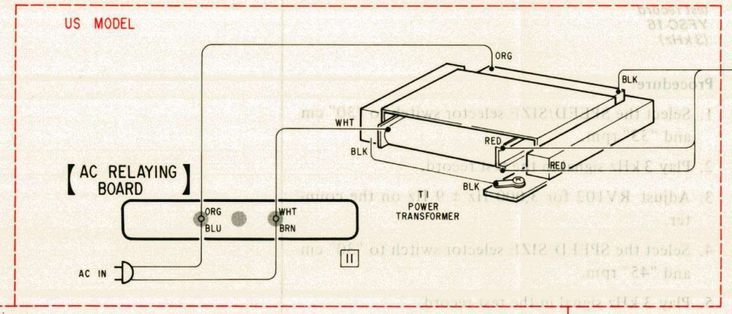

**Procedure:**

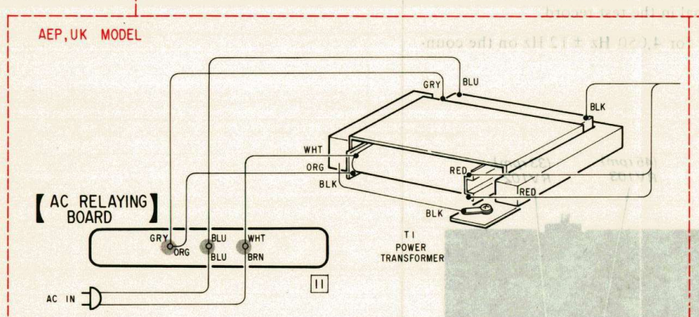
1. Select the SPEED/SIZE selector switch to "30" cm and "33" rpm.
2. Play 3 kHz signal in the test record.
3. Adjust RV102 for 3,000 Hz ± 9 Hz on the counter.
4. Select the SPEED/SIZE selector switch to "30" cm and "45" rpm.
5. Play 3 kHz signal in the test record.
6. Adjust RV103 for 4,050 Hz ± 12 Hz on the counter.

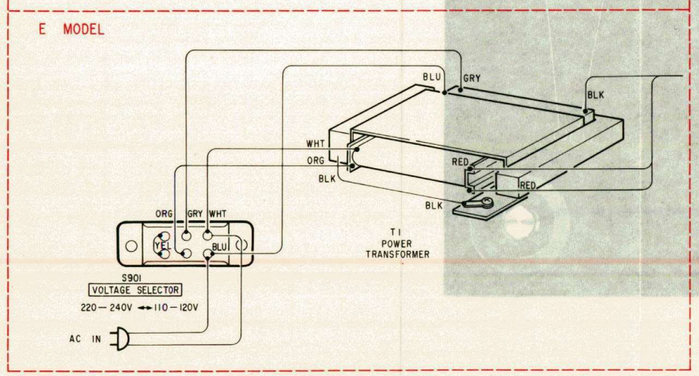
# SECTION 4 DIAGRAMS

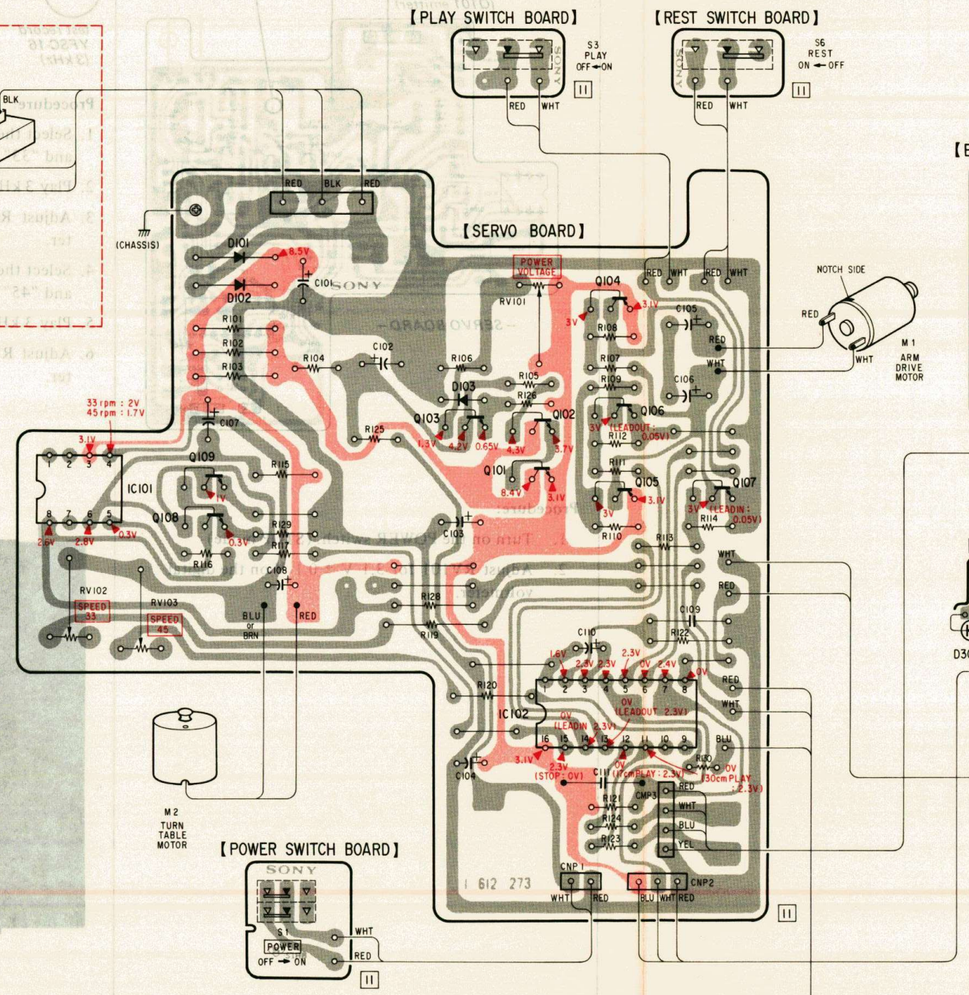
## 4-1. MOUNTING DIAGRAM



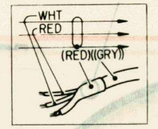



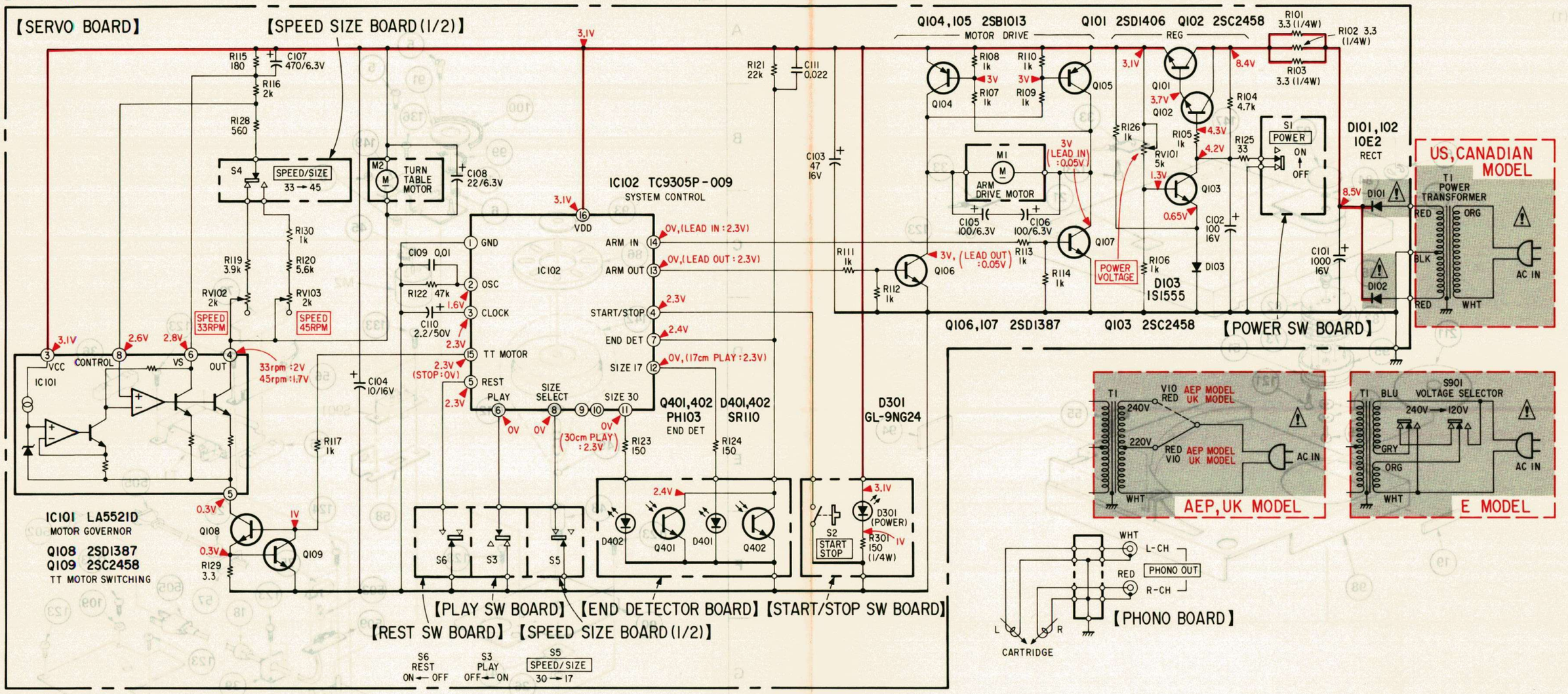

**Note:**

- 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

## 4-2. SCHEMATIC DIAGRAM




### ● Semiconductor Lead Layouts

| | | | |
|---|---|---|---|
| **10E2**<br>**1S1555**<br>cathode / anode | **GL-9NG24**<br>long / short / anode / cathode | **SR110**<br>cathode / anode | **LA5521D**<br>**TC9305P-009**<br>line or slit or dot; 1 2 n n+1 (Top view) |
| **2SD1406**<br>B C E | **2SC2458**<br>B C E | **2SB1013**<br>**2SD1387**<br>E C B | **PH103**<br>E C |

**Note:**

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms, 1/4 W unless otherwise noted. kΩ : 1000 Ω, MΩ : 1000 kΩ
- ▭ : panel designation.
- ▭ : adjustment for repair.
- ——— : B+ bus.
- Readings are taken under 30 cm PLAY mode with a VOM (50 kΩ/V).
- Switches

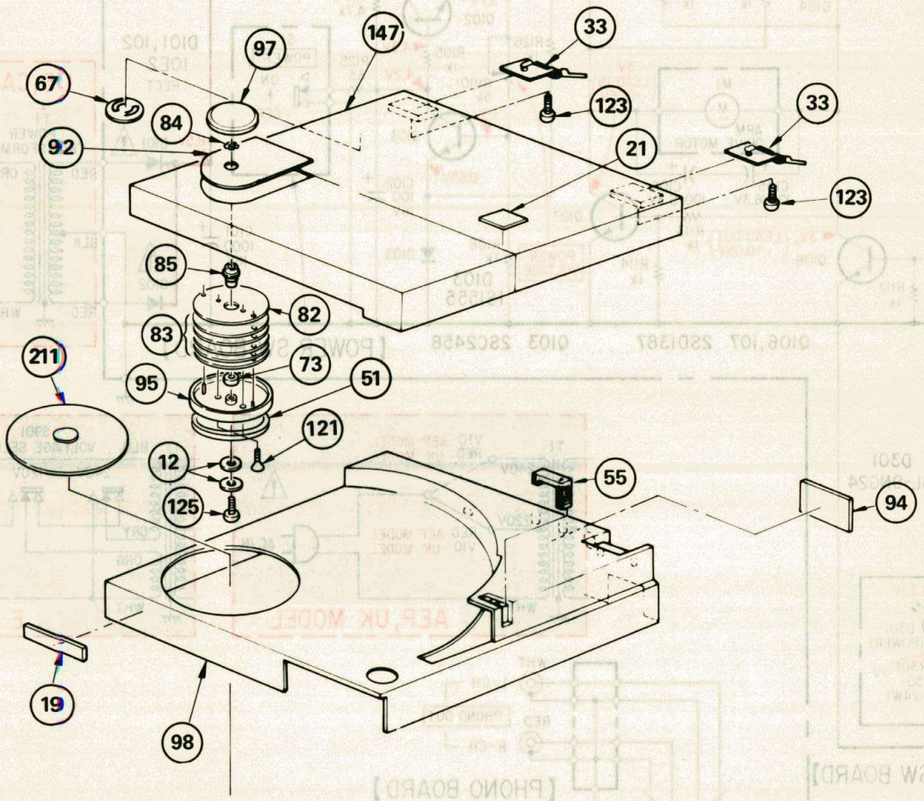
| Ref. No. | Switch | Position |
|---|---|---|
| S1 | POWER | OFF |
| S2 | START/STOP | OFF |
| S3 | PLAY | ON |
| S4 | SPEED/SIZE (45 RPM/33 RPM) | 33 RPM |
| S5 | SPEED/SIZE (17 cm/30 cm) | 30 cm |
| S6 | REST | OFF |

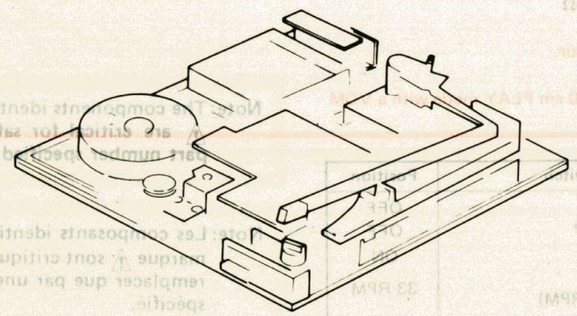
**Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.**

**Note: Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.**

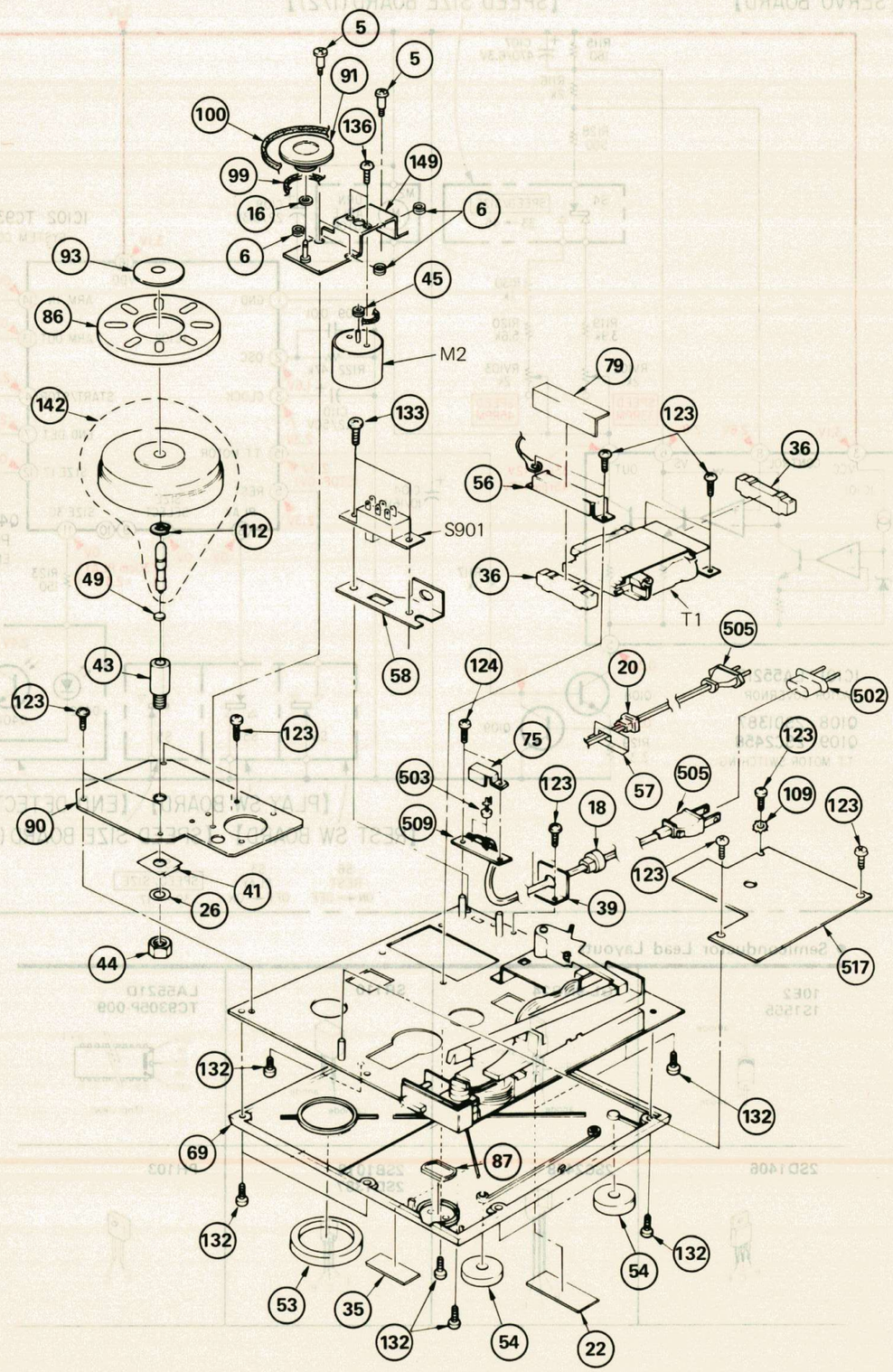
# SECTION 5
# EXPLODED VIEWS AND PARTS LIST

(1).

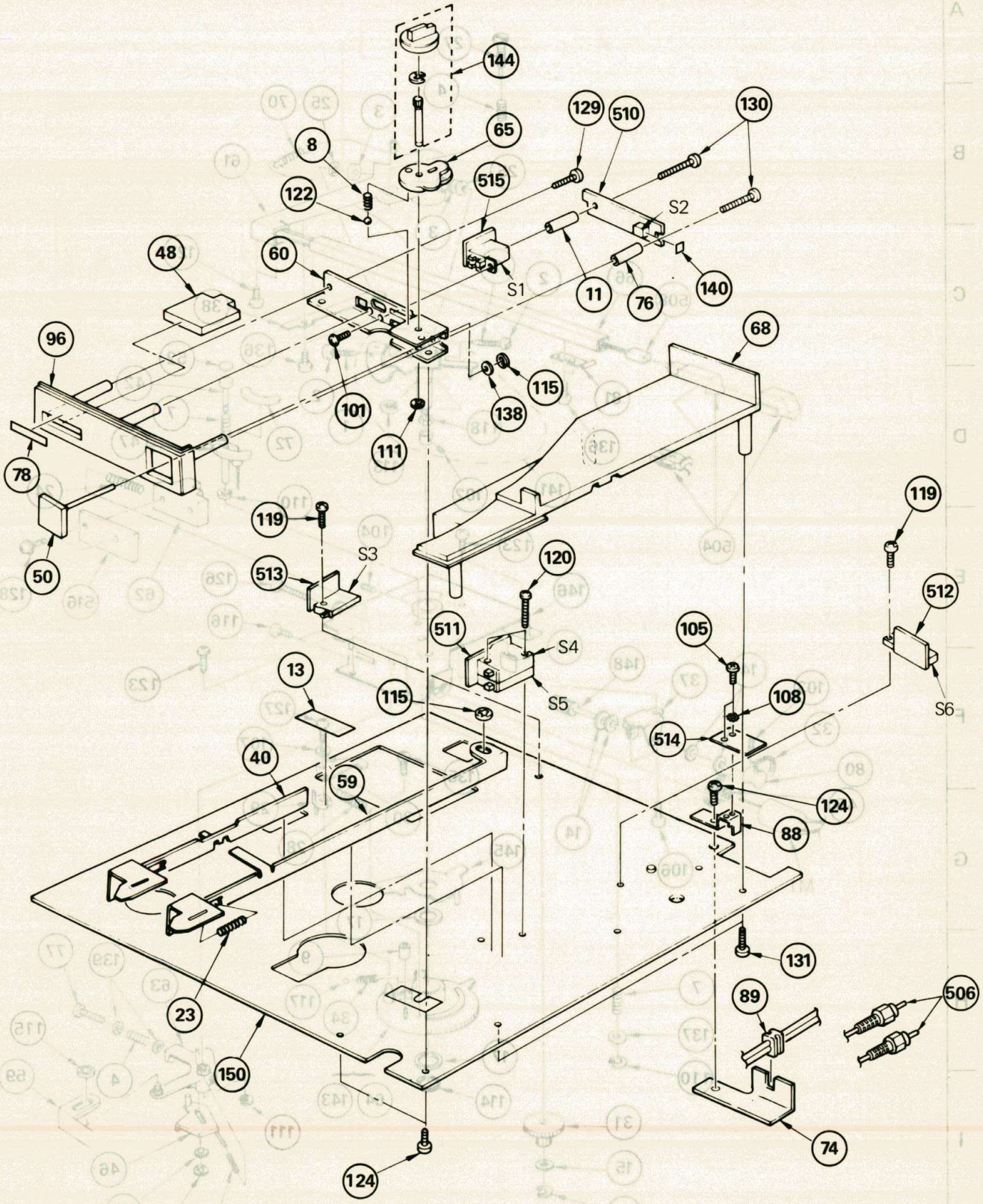


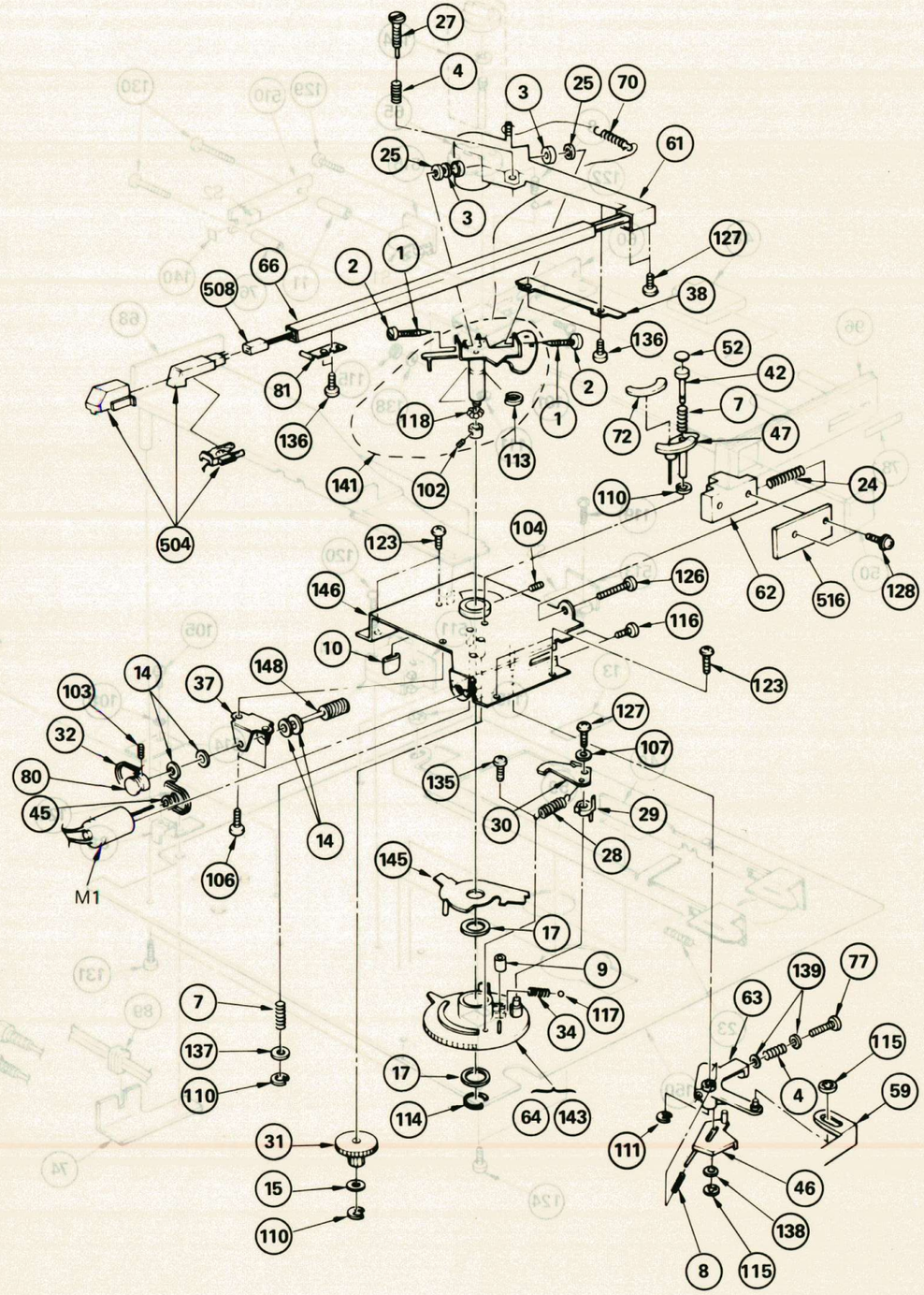
(2).



(3).



(4).








GENERAL SECTION

| No. | Part No. | Description |
|---|---|---|
| 1 | 2-203-518-61 | SCREW, PIVOT |
| 2 | 2-203-519-00 | NUT (A), LOCK, PIVOT |
| 3 | 2-203-530-00 | DAMPER |
| 4 | 3-549-887-00 | SPRING, COIL, COMPRISION |
| 5 | 3-570-027-00 | SCREW, MOTOR |
| 6 | 3-570-118-00 | CUSHION, MOTOR |
| 7 | 3-573-150-00 | SPRING, COMPRESSION |
| 8 | 3-576-098-00 | SPRING, COMPRESSION |
| 9 | 3-579-008-00 | RUBBER (S1), BRAKE |
| 10 | 3-579-032-00 | RUBBER, BRAKE |
| 11 ♦ | 3-654-056-00 | SPACER (2.6X7) |
| 12 | 3-663-748-00 | WASHER, SUS |
| 13 | 3-701-030-00 | LABEL, SERIAL NUMBER |
| 14 | 3-701-437-11 | WASHER |
| 15 | 3-701-437-21 | WASHER |
| 16 | 3-701-438-21 | WASHER |
| 17 | 3-701-448-21 | WASHER, POLYETHYLENE |
| 18 | 3-701-682-00 | (US,Canadian)...STOPPER, CORD |
| 19 | 3-701-690-00 | (UK)...LABEL (MADE IN JAPAN) |
| 20 | 3-703-244-00 | (AEP,UK)...BUSHING, CORD |
| 21 | 3-703-705-01 | STICKER, SONY SYMBOL (30) |
| 22 ♦ | 3-703-845-01 | (US,Canadian)..LABEL (N)(U/C), MAIN CAUTION |
| 23 | 4-838-324-00 | SPRING, COMPRESSION |
| 24 | 4-861-965-00 | SPRING, COMPRESSION |
| 25 | 4-863-604-00 | BEARING, PIVOT |
| 26 | 4-870-945-00 | RING (P9), O |
| 27 ♦ | 4-873-347-00 | SHAFT, ADJUSTMENT, HIGH |
| 28 | 4-877-850-00 | SPRING, TENSION |
| 29 ♦ | 4-879-717-00 | RESET BLOCK |
| 30 | 4-879-718-00 | CLUTCH, LEAD-IN |
| 31 | 4-879-727-00 | GEAR |
| 32 | 4-879-751-00 | BELT |
| 33 | 4-879-761-11 | HINGE |
| 34 | 4-879-762-00 | SPRING, COMPRESSION |
| 35 ♦ | 4-881-683-00 | (E).....LABEL, VOLTAGE |
| 36 ♦ | 4-885-101-00 | RUBBER, HOLDING, TRANSFORMER |
| 37 ♦ | 4-885-103-00 | SUPPORT, WORM SHAFT |
| 38 ♦ | 4-885-106-00 | PLATE, LOWER, ARM |
| 39 ♦ | 4-885-107-00 | (US,Canadian)...BRACKET (A), POWER CORD |
| 40 ♦ | 4-885-108-00 | LEVER, SWITCH |
| 41 | 4-885-110-00 | SPACER |
| 42 | 4-885-117-00 | SHAFT, BRAKE |
| 43 | 4-885-125-00 | BEARING, MOTOR |
| 44 | 4-885-126-00 | NUT |
| 45 | 4-885-130-00 | PULLEY |

GENERAL SECTION

| No. | Part No. | Description |
|---|---|---|
| 46 | 4-885-131-00 | PLATE, ADJUSTMENT |
| 47 | 4-885-132-00 | BLOCK, UP END DOWN |
| 48 | 4-885-133-11 | BUTTON, POWER |
| 49 | 4-885-135-11 | RETAINER, THRUST |
| 50 | 4-885-136-00 | BUTTON, S/S |
| 51 | 4-885-138-00 | CUSHION |
| 52 | 4-885-139-00 | PAD, BRAKE |
| 53 | 4-885-143-00 | SPACER (A), LEG |
| 54 | 4-885-144-00 | SPACER (B), LEG |
| 55 | 4-885-145-00 | PIECE, ARM LOCK |
| 56 ♦ | 4-885-156-00 | PLATE, HOLDING, TRANSFORMER |
| 57 ♦ | 4-885-158-00 | (AEP,UK)...BRACKET (B), POWER CORD |
| 58 ♦ | 4-885-159-00 | (E).....BRACKET (C), POWER CORD |
| 59 ♦ | 4-885-163-00 | LEVER, SELECT |
| 60 ♦ | 4-885-164-00 | BRACKET, CONTROL BLOCK |
| 61 | 4-885-166-11 | JOINT, PIPE |
| 62 | 4-885-169-00 | BLOCK, END ADJUSTMENT |
| 63 | 4-885-170-00 | LEVER, SELECTION |
| 64 | 4-885-171-00 | GEAR, CAM |
| 65 | 4-885-172-00 | CAM, SELECTION |
| 66 | 4-885-173-00 | PIPE, ARM |
| 67 | 4-885-174-00 | HOLDER, ADAPTOR |
| 68 ♦ | 4-885-176-12 | (RED).....FRAME, SUB |
| 68 ♦ | 4-885-176-41 | (BLACK)....FRAME, SUB |
| 68 ♦ | 4-885-176-51 | (SILVER)...FRAME, SUB |
| 69 ♦ | 4-885-178-07 | (AEP,UK)...PLATE, BOTTOM |
| 69 ♦ | 4-885-178-16 | (E).....PLATE, BOTTOM |
| 69 ♦ | 4-885-178-26 | (US,Canadian)...PLATE, BOTTOM |
| 70 | 4-885-182-00 | SPRING, TENSION |
| 71 | ..... | |
| 72 | 4-885-184-00 | FELT, UP AND DOWN |
| 73 | 4-885-186-00 | BEARING, RADIAL |
| 74 ♦ | 4-885-188-00 | PLATE (B), JACK |
| 75 ♦ | 4-885-197-00 | (US,Canadian,AEP,UK)...PROTECTOR |
| 76 ♦ | 4-885-199-00 | SPACER |
| 77 | 4-885-204-00 | SCREW, R |
| 78 | 4-885-213-00 | (AEP)...LABEL, STAND-BY |
| 79 ♦ | 4-885-214-00 | (E).....PROTECTOR, POWER |
| 80 ♦ | 4-885-215-00 | PULLEY |
| 81 | 4-885-217-00 | SPRING, LEAF |
| 82 ♦ | 4-905-501-01 | PLATE (A), WEIGHT |
| 83 ♦ | 4-905-502-01 | PLATE (B), WEIGHT |
| 84 ♦ | 4-905-503-01 | NUT, PLATE |
| 85 | 4-905-504-01 | SLEEVE, CENTER |
| 86 | 4-905-505-01 | SHEET, ROTOR |
| 87 ♦ | 4-905-506-01 | ADAPTOR, SLIT |

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SEMICONDUCTORS

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

## GENERAL SECTION

| No. | Part No. | Description |
|---|---|---|
| 88 | ♦;4-905-507-01 | BRACKET, PC BOARD, PHONO |
| 89 | 4-905-508-01 | BUSHING, CORD |
| 90 | ♦;4-905-509-01 | BASE, MOTOR |
| 91 | 4-905-511-01 | PULLEY |
| 92 | 4-905-514-01 | (SILVER, RED)...PLATE, ORNAMENTAL |
| 92 | 4-905-514-11 | (BLACK).....PLATE, ORNAMENTAL |
| 93 | 4-905-517-01 | RING, ROTOR |
| 94 | 4-905-518-01 | (US,Canadian)...LABEL, MODEL NUMBER |
| 94 | 4-905-519-01 | (E).....LABEL, MODEL NUMBER |
| 94 | 4-905-527-01 | (UK)....LABEL, MODEL NUMBER |
| 94 | 4-905-528-01 | (AEP)...LABEL, MODEL NUMBER |
| 95 | 4-905-521-01 | CASE, WEIGHT |
| 96 | 4-905-522-01 | (BLACK)...PANEL, CONTROL |
| 96 | 4-905-522-12 | (RED).....PANEL, CONTROL |
| 97 | 4-905-523-01 | CAP, ORNAMENT |
| 98 | 4-905-526-01 | (SILVER)...FRAME |
| 98 | 4-905-526-11 | (BLACK)....FRAME |
| 98 | 4-905-526-22 | (RED).....FRAME |
| 99 | 4-905-529-01 | BELT, MOTOR |
| 100 | 4-905-531-01 | BELT, ROTOR |
| 101 | 7-621-255-25 | SCREW +P 2X4 |
| 102 | 7-621-712-17 | SET-SCREW, SLOT 2.6X2 CUP POINT |
| 103 | 7-621-731-08 | SET-SCT, HEX. 2X2.5, FLAT POINT |
| 104 | 7-621-734-09 | SET-SCT, HEX. 2.6X3 |
| 105 | 7-621-772-18 | SCREW +B 2X4 |
| 106 | 7-621-775-10 | SCREW +B 2.6X4 |
| 107 | 7-623-105-12 | W 2, MIDDLE |
| 108 | 7-623-420-07 | LW 2, TYPE B |
| 109 | 7-623-422-07 | LW 3, TYPE B |
| 110 | 7-624-102-04 | STOP RING 1.5, TYPE -E |
| 111 | 7-624-104-04 | STOP RING 2.0, TYPE -E |
| 112 | 7-624-109-04 | STOP RING 5.0, TYPE -E |
| 113 | 7-624-133-44 | STOP RING 9, TYPE-CE |
| 114 | 7-624-133-74 | STOP RING 12, TYPE-CE |
| 115 | 7-624-190-81 | STOP RING 2, TYPE-CS |
| 116 | 7-627-553-38 | SCREW, PRECISION +P 2X3 |
| 117 | 7-671-113-02 | STEAL, BALL 3 |
| 118 | 7-671-151-01 | STAINLESS, BALL 1/16INCH |
| 119 | 7-621-770-XX | SCREW +P 2.6X8 |
| 120 | 7-621-775-88 | SCREW +P 2.6X16 |
| 121 | 7-682-250-09 | SCREW +K 3X12 |
| 122 | 7-621-113-01 | BALL, STEAL |
| 123 | 7-682-546-04 | SCREW +BVTT 3X5 (S) |
| 124 | 7-682-546-09 | SCREW +B 3X5 |
| 125 | 7-682-550-09 | SCREW +B 3X12 |

## GENERAL SECTION

| No. | Part No. | Description |
|---|---|---|
| 126 | 7-682-551-04 | SCREW +P 3X14 |
| 127 | 7-685-102-19 | SCREW +P 2X4 TYPE2 SLIT |
| 128 | 7-685-104-14 | SCREW +P 2X6 TYPE2 NON-SLIT |
| 129 | 7-685-134-14 | SCREW +P 2.6X8 TYPE2 NON-SLIT |
| 130 | 7-685-138-11 | SCREW +P 2.6X16 TYPE2 NON-SLIT |
| 131 | 7-685-647-14 | SCREW +BVTP 3X10 TYPE2 N-S |
| 132 | 7-685-648-19 | SCREW +BVTP 3X12 TYPE2 N-S |
| 133 | 7-685-751-09 | (E)...SCREW +BVTT 3X6 |
| 134 | 7-685-772-04 | SCREW +PTT 1.7X2, TYPE1 |
| 135 | 7-685-780-01 | SCREW +PTT 2X3 (S) |
| 136 | 7-685-799-04 | SCREW +PTT 1.7X2.5 |
| 137 | 7-688-001-01 | W 2, SMALL |
| 138 | 7-688-001-11 | W 2, MIDDLE |
| 139 | 7-688-003-01 | W 3, SMALL |
| 140 | 9-911-863-XX | SPACER (A) |
| 141 | A-4607-016-A | ROTARY BLOCK ASSY |
| 142 | A-4608-283-A | ROTOR (V) ASSY |
| 143 | A-4609-027-A | GEAR ASSY, CAM |
| 144 | A-4611-130-A | KNOB ASSY, SELECTOR |
| 145 | ♦;X-4885-101-0 | PLATE ASSY, LEAD-IN |
| 146 | ♦;X-4885-103-0 | CHASSIS ASSY, SUB |
| 147 | X-4885-107-6 | (BLACK)....COVER ASSY, DUST |
| 147 | X-4885-107-7 | (SILVER)...COVER ASSY, DUST |
| 147 | X-4885-107-8 | (RED).....COVER ASSY, DUST |
| 148 | ♦;X-4885-111-0 | GEAR ASSY, WORM |
| 149 | X-4905-502-1 | BRACKET ASSY, MOTOR |
| 150 | ♦;X-4905-505-1 | (US,Canadian,AEP,UK)...CHASSIS ASSY (B) |
| 150 | X-4905-504-1 | (E)...CHASSIS ASSY (A) |

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





## ACCESSORY & PACKING MATERIAL

| No. | Part No. | Description |
|---|---|---|
| 201 | 3-701-630-00 | BAG, POLYETHYLENE |
| 202 | 3-773-862-11 | (Canadian,AEP, UK)...MANUAL, INSTRUCTION |
| 202 | 3-773-862-21 | (US).....MANUAL, INSTRUCTION |
| 202 | 3-773-862-41 | (E).....MANUAL, INSTRUCTION |
| 203 | 3-795-557-11 | INSTRUCTION, TURNTABLE SPACER |
| 204 | 3-849-119-00 | BAG, PROTECTION |
| 205 | 4-885-168-00 | ADAPTOR, 45 |
| 206 | 4-885-190-00 | STOPPER, ARM |
| 207 | 4-885-192-00 | SHEET, PROTECTION |
| 208 | 4-885-193-00 | SHEET, PROTECTION |
| 209 | 4-885-205-00 | CUSHION (FRONT) |
| 210 | 4-885-206-00 | CUSHION (REAR) |
| 211 | 4-885-212-00 | SPACER, TURNTABLE |
| 212 | 4-905-533-01 | INDIVIDUAL CARTON |

## ELECTRICAL PARTS

| Ref.No. | Part No. | Description | | |
|---|---|---|---|---|
| 501 | ♦;1-508-800-13 | U TYPE BASE POST 3P | | |
| 502 | ⚠1-526-565-00 | (E)...AC PLUG ADAPTOR | | |
| 503 | 1-535-416-00 | TERMINAL | | |
| 504 | 1-549-113-00 | CARTRIDGE | | |
| 505 | ⚠1-534-817-XX | (AEP)....CORD, POWER, EULO PLUG | | |
| 505 | ⚠1-551-506-XX | (US,Canadian)...CORD, POWER | | |
| 505 | ⚠1-551-472-00 | (E).....CORD, POWER | | |
| 505 | ⚠1-551-884-00 | (UK).....CORD, POWER | | |
| 506 | 1-551-294-00 | CORD | | |
| 507 | ..... | | | |
| 508 | 1-556-504-00 | CONNECTOR, PLUG IN TYPE | | |
| 509 | ♦;1-608-536-00 | PC BOARD, PRIMARY TRANSLATION | | |
| 510 | ♦;1-609-930-00 | PC BOARD, S/S SW | | |
| 511 | ♦;1-612-274-11 | PC BOARD, SPEED SIZE | | |
| 512 | ♦;1-612-275-11 | PC BOARD, REST SW | | |
| 513 | ♦;1-612-276-11 | PC BOARD, PLAY SW | | |
| 514 | ♦;1-612-277-11 | PC BOARD, PHONO | | |
| 515 | ♦;1-612-479-11 | PC BOARD, POWER SW | | |
| 516 | ♦;1-612-480-11 | PC BOARD, END DETECTION | | |
| 517 | ♦;A-4619-238-A | MOUNTED PCB, SERVO | | |
| C101 | 1-123-324-00 | ELECT 1000MF | 20% | 16V |
| C102 | 1-123-333-00 | ELECT 100MF | 20% | 16V |
| C103 | 1-123-821-00 | ELECT 47MF | 20% | 16V |
| C104 | 1-123-617-00 | ELECT 10MF | 20% | 16V |
| C105 | 1-123-661-00 | ELECT 100MF | 20% | 6.3V |
| C106 | 1-123-661-00 | ELECT 100MF | 20% | 6.3V |
| C107 | 1-123-298-00 | ELECT 470MF | 20% | 6.3V |
| C108 | 1-123-618-00 | ELECT 22MF | 20% | 6.3V |
| C109 | 1-162-113-00 | CERAMIC 0.01MF | 30% | 16V |
| C110 | 1-123-612-00 | ELECT 2.2MF | 20% | 50V |
| C111 | 1-161-494-00 | CERAMIC 0.022MF | 30% | 25V |
| CNP1 | ♦;1-564-111-00 | PIN, CONNECTOR 2P | | |
| CNP2 | ♦;1-564-112-21 | PIN, CONNECTOR 3P | | |
| CNP3 | ♦;1-564-113-11 | PIN, CONNECTOR 4P | | |
| D101 | ⚠8-719-200-02 | DIODE 10E2 | | |
| D102 | ⚠8-719-200-02 | DIODE 10E2 | | |
| D103 | 8-719-815-55 | DIODE 1S1555 | | |
| D301 | 8-719-909-31 | DIODE GL-9NG24 | | |
| D401 | 8-719-101-11 | DIODE SR110 | | |
| D402 | 8-719-101-11 | DIODE SR110 | | |
| IC101 | 8-759-801-08 | IC LA5521D | | |
| IC102 | 8-759-202-48 | IC TC9305P-009 | | |
| M1 | 1-541-217-00 | MOTOR, ARM DRIVE | | |
| M2 | 8-835-106-01 | MOTOR (DNR-6901A), TURN TABLE | | |

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Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

ELECTRICAL PARTS

| Ref.No. | Part No. | Description |
|---|---|---|
| Q101 | 8-729-201-78 | TRANSISTOR 2SD1406 |
| Q102 | 8-729-245-83 | TRANSISTOR 2SC2458 |
| Q103 | 8-729-245-83 | TRANSISTOR 2SC2458 |
| Q104 | 8-729-801-83 | TRANSISTOR 2SB1013 |
| Q105 | 8-729-801-83 | TRANSISTOR 2SB1013 |
| Q106 | 8-729-801-93 | TRANSISTOR 2SD1387 |
| Q107 | 8-729-801-93 | TRANSISTOR 2SD1387 |
| Q108 | 8-729-801-93 | TRANSISTOR 2SD1387 |
| Q109 | 8-729-245-83 | TRANSISTOR 2SC2458 |
| Q401 | 8-729-101-13 | TRANSISTOR PH103 |
| Q402 | 8-729-101-13 | TRANSISTOR PH103 |
| R101 | 1-246-413-00 | CARBON 3.3 5% 1/4W |
| R102 | 1-246-413-00 | CARBON 3.3 5% 1/4W |
| R103 | 1-246-413-00 | CARBON 3.3 5% 1/4W |
| R104 | 1-247-847-00 | CARBON 4.7K 5% 1/6W |
| R105 | 1-247-831-00 | CARBON 1K 5% 1/6W |
| R106 | 1-247-831-00 | CARBON 1K 5% 1/6W |
| R107 | 1-247-831-00 | CARBON 1K 5% 1/6W |
| R108 | 1-247-831-00 | CARBON 1K 5% 1/6W |
| R109 | 1-247-831-00 | CARBON 1K 5% 1/6W |
| R110 | 1-247-831-00 | CARBON 1K 5% 1/6W |
| R111 | 1-247-831-00 | CARBON 1K 5% 1/6W |
| R112 | 1-247-831-00 | CARBON 1K 5% 1/6W |
| R113 | 1-247-831-00 | CARBON 1K 5% 1/6W |
| R114 | 1-247-831-00 | CARBON 1K 5% 1/6W |
| R115 | 1-247-813-00 | CARBON 180 5% 1/6W |
| R116 | 1-247-838-00 | CARBON 2K 5% 1/6W |
| R117 | 1-247-831-00 | CARBON 1K 5% 1/6W |
| R119 | 1-247-845-00 | CARBON 3.9K 5% 1/6W |
| R120 | 1-247-849-00 | CARBON 5.6K 5% 1/6W |
| R121 | 1-247-863-00 | CARBON 22K 5% 1/6W |
| R122 | 1-247-871-00 | CARBON 47K 5% 1/6W |
| R123 | 1-247-811-00 | CARBON 150 5% 1/6W |
| R124 | 1-247-811-00 | CARBON 150 5% 1/6W |
| R125 | 1-247-795-00 | CARBON 33 5% 1/6W |
| R126 | 1-247-831-00 | CARBON 1K 5% 1/6W |
| R128 | 1-247-825-00 | CARBON 560 5% 1/6W |
| R129 | 1-247-771-00 | CARBON 3.3 5% 1/6W |
| R130 | 1-247-831-00 | CARBON 1K 5% 1/6W |
| R301 | 1-246-453-00 | CARBON 150 5% 1/4W |
| RV101 | 1-226-235-00 | RES, ADJ, CARBON 5K |
| RV102 | 1-226-234-00 | RES, ADJ, CARBON 2K (33RPM) |
| RV103 | 1-226-234-00 | RES, ADJ, CARBON 2K (45RPM) |

ELECTRICAL PARTS

| Ref.No. | Part No. | Description |
|---|---|---|
| S1 | 1-553-909-00 | SWITCH, PUSH (1 KEY)(POWER) |
| S2 | 1-553-856-00 | SWITCH, KEY BOARD (START/STOP) |
| S3 | 1-552-532-00 | SWITCH, PUSH |
| S4 | 1-552-532-00 | SWITCH, PUSH (SPEED/SIZE) (45RPM/33RPM) |
| S5 | 1-552-532-00 | SWITCH, PUSH (SPEED/SIZE) (17cm/30cm) |
| S6 | 1-552-532-00 | SWITCH, PUSH |
| S901 | ⚠ 1-552-535-00 | (E)... SWITCH, POWER & VOLTAGE CHANGE |
| T1 | ⚠ 1-447-435-00 | (UC,Canadian)...TRANSFORMER, POWER |
| T1 | ⚠ 1-447-438-00 | (AEP, UK).....TRANSFORMER, POWER |
| T1 | ⚠ 1-447-437-00 | (E).....TRANSFORMER, POWER |

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Sony Corporation

English
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