PS-T33

US Model
AEP Model
UK Model
E Model

STEREO TURNTABLE SYSTEM

SPECIFICATIONS

GENERAL

Power Requirements:	120V ac, 60Hz (US model) 220V ac, 50/60Hz (AEP model) 240V ac, 50/60Hz (UK model) 110-120V, 220-240V ac adjustable, 50/60Hz (E model)
Power Consumption:	6W (US model) 8W (AEP, UK, E model)
Dimensions:	Approx. 430(w) x 140(h) x 375(d) mm 17(w) x $5^{5}/_{8}$ (h) x 14¾(d) inches including projecting parts and controls
Weight:	Approx. 6.5kg, 14lb 5oz (net) Approx. 8.3kg, 18lb 5oz (in shipping carton)

TURNTABLE

Platter:	31 cm (12¼ inches), aluminum-alloy diecast
Motor:	Linear BSL (brushless and slotless) motor
Drive System:	Direct drive
Control System:	Magnedisc servo control system
Speed:	$33^{1}/_{3}$ rpm, 45 rpm
Pitch Control Range:	±4%
Wow and Flutter:	0.02% (WRMS)*, 0.025% (WRMS) ±0.04% (DIN)
Signal-to-noise Ratio:	75 dB (DIN-B)
Automatic System:	Lead-in, return, reject, repeat

TONEARM

Type:	Statically balanced
Pivot-to-stylus Length:	216.5 mm (8½ inches)
Overall Arm Length:	300 mm ($11^{7}/_{8}$ inches)
Overhang:	16.5 mm ($^{21}/_{32}$ inches)
Tracking Error:	+3°, −1°
Stylus Force	
Adjustment Range:	0 – 2.5 g
Cartridge Shell Weight:	5 g
Cartridge Weight Range:	(including supplied shell) 7.5 – 11.5 g 11 – 15 g (with extra weight)

* This new measuring method concerns only the turntable assembly, including the platter. It excludes wow and flutter caused by the tonearm, the cartridge, or the record. Measured by obtaining signal from magnetic pick-up head.

– Continued on page 2 –

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

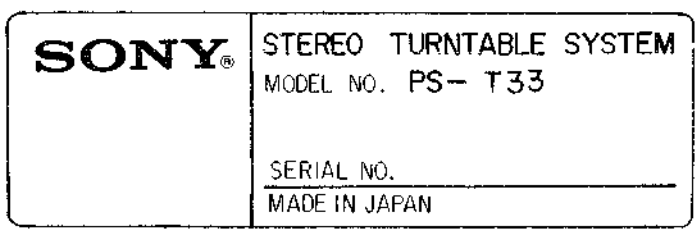
SERVICE MANUAL

CARTRIDGE (XL-15A) (AEP, UK, E model)

Type:	Moving-magnet
Frequency Response:	10 – 30,000 Hz
Channel Separation:	25 dB at 1 kHz
Output Voltage:	4 mV at 1 kHz, 5 cm/sec, 45°
Load Impedance:	50 kΩ – 100 kΩ
Tracking Force:	1.2 – 2.5 g (1.7 g recommended)
Stylus:	Sony ND-15GA Conical 0.6 mil diamond
Weight:	5 g

MODEL IDENTIFICATION

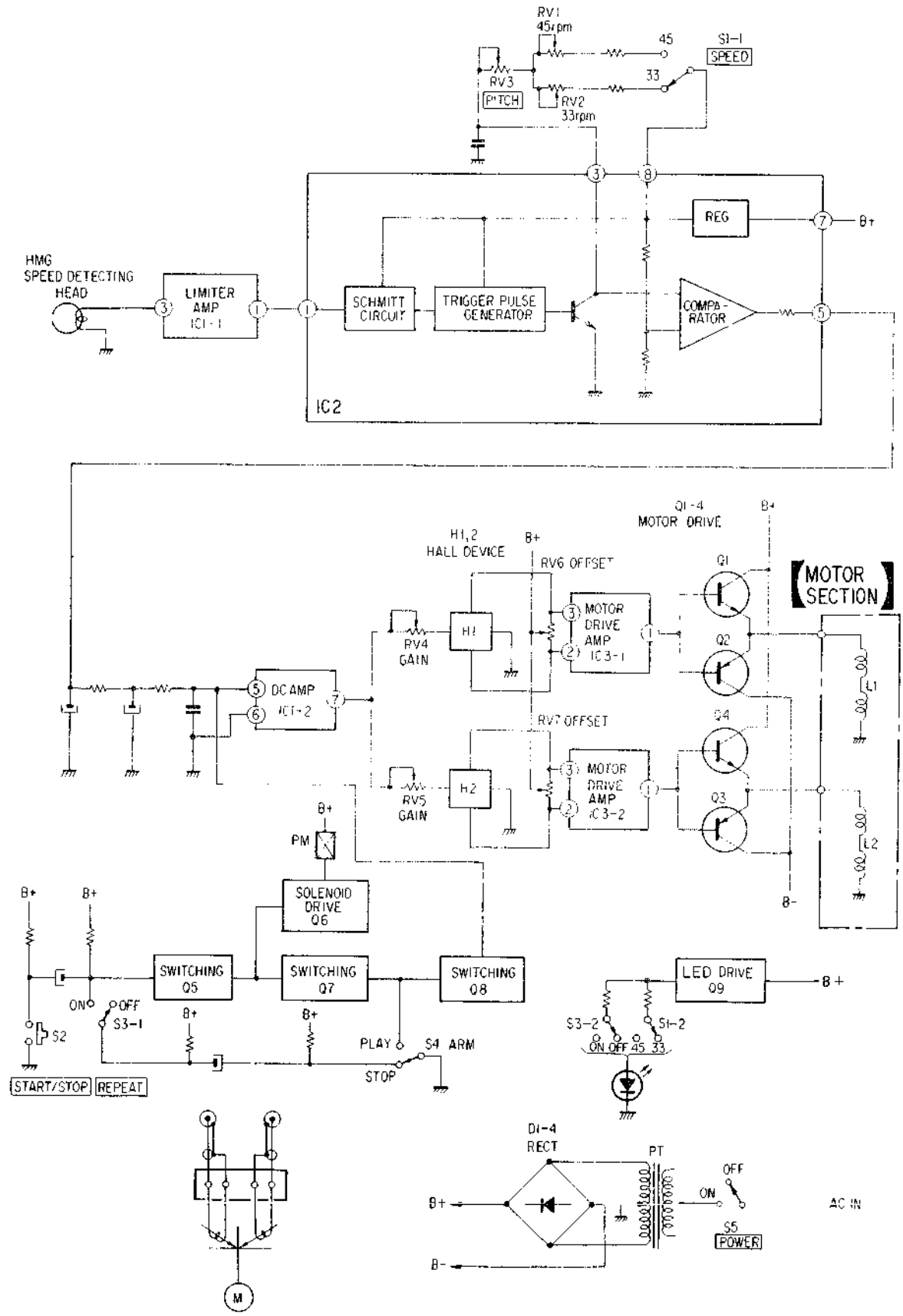
– Specification Label –



AC120V 60Hz 6W	US model
AC220V 50/60Hz 8W	AEP model
AC110~120V, 220~240V 50/60Hz 8W ...	E model
AC240V 50/60Hz 8W	UK model

SECTION 1
OUTLINE

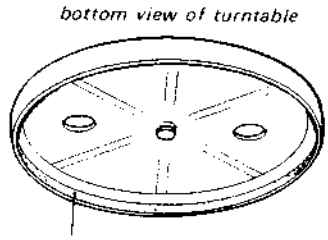
1-1. BLOCK DIAGRAM



SECTION 2
DISASSEMBLY

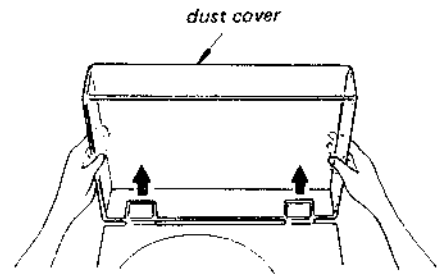
Note: Follow the disassembly procedure in the numerical order given.

REPAIR CAUTION



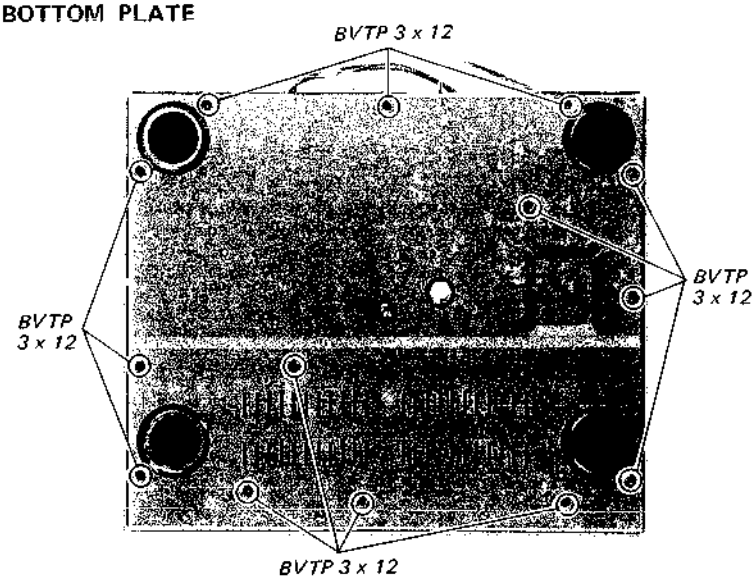
Be sure not to spoil the magnetic coating. (dark brown color)

DUST COVER

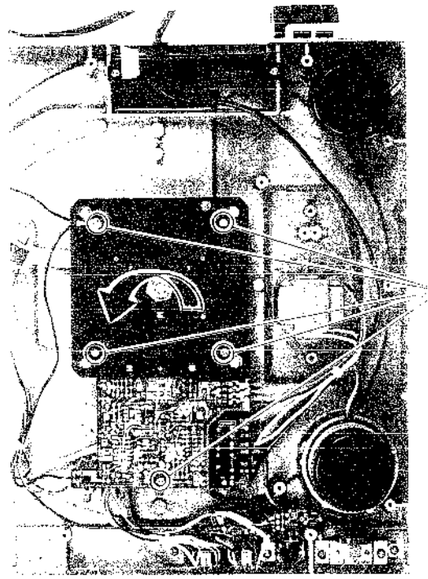


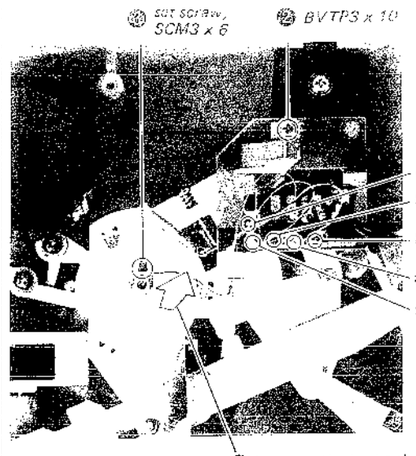
- **Remove the turntable and the turntable sheet.**

BOTTOM PLATE



MOTOR





⑫ set screw, SCM3 x 6

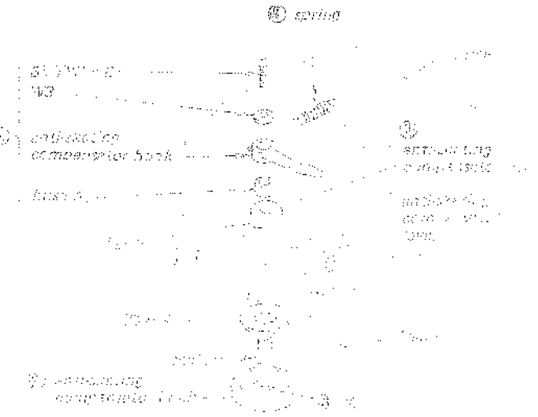
⑬ BVTP3 x 10

⑭ Unsolder the lead wires.

⑮ Remove the screws.

⑯ Remove the brake drum.

ANTI-SKATING COMPENSATOR KNOB INSTALLATION



① Cover the shaded portion ⑤ of the anti-skating compensator knob.

② Install a washer to the anti-skating compensator knob.

③ Set the marked point (red) of the anti-skating compensator knob as shown in Fig. 2-1.
Install it through the frame and tighten it with the anti-skating compensator knob.
Be sure that the red marked point is set to the 0 position.

④ Place the spring on the anti-skating compensator knob and hook it to the hole of the arm base and the hole of the anti-skating compensator knob.

⑤ Remove the anti-skating compensator knob and the anti-skating compensator knob. Then, remove the spring ⑤ from the anti-skating compensator knob.

⑥ After the installation, check the operation of the anti-skating compensator knob as follows.

DRIVE GEAR INSTALLATION

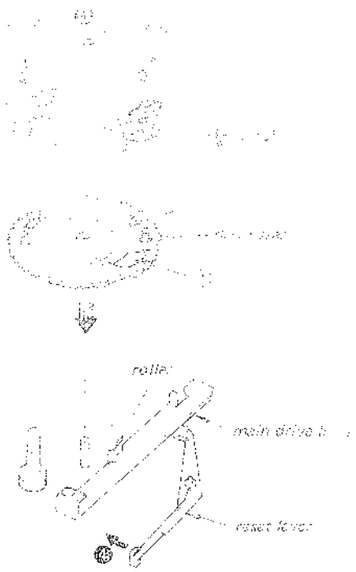


Fig. 2-2

BRAKE DRUM INSTALLATION

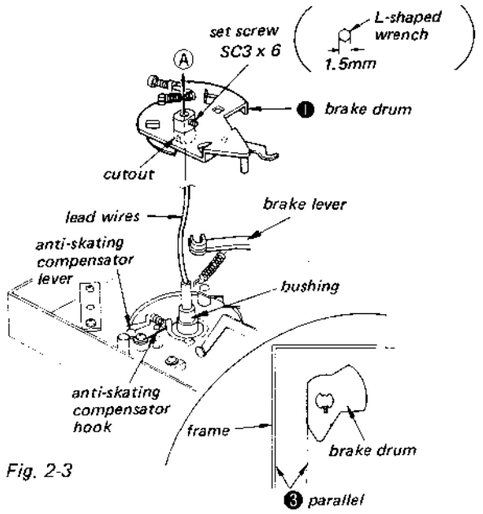


Fig. 2-3

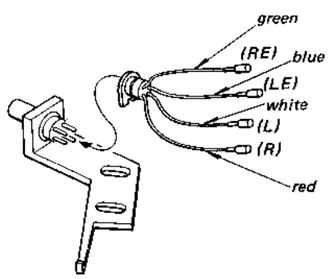
❶ Place the lead wires through the brake drum ass'y. Pull them out in the direction of the arrow Ⓐ.

❷ Fix the tonearm to the armrest.

❸ Install the brake drum and adjust the position of the brake drum so that the straight side runs parallel with the frame. Fix the brake drum by turning the set screw.

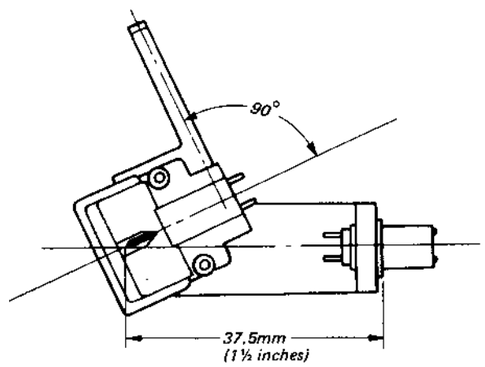
Fig. 2-4

LEAD WIRE CONNECTION

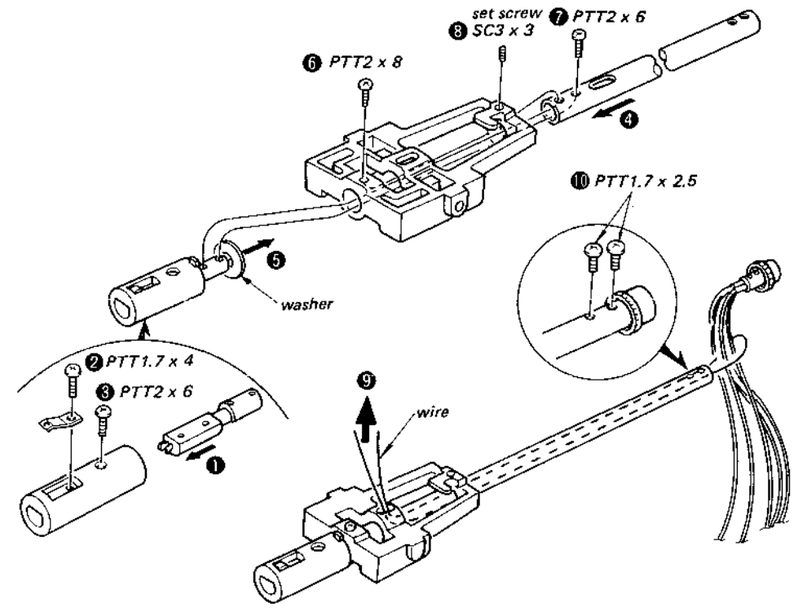


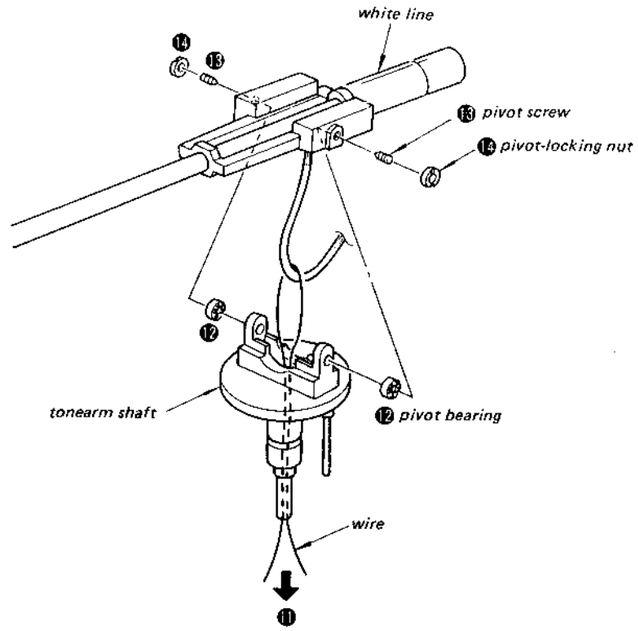
blue: left channel (ground)
white: left channel (signal)
green: right channel (ground)
red: right channel (signal)

CARTRIDGE INSTALLATION

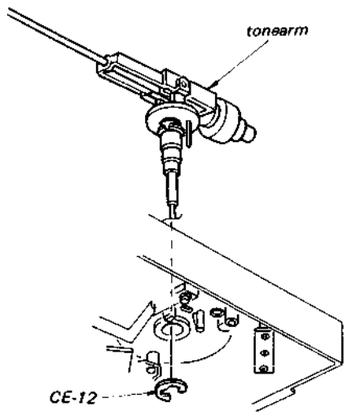


TONEARM INSTALLATION (1)





TONEARM INSTALLATION (2)



Note:
After the installation, perform the longitudinal sensitivity adjustment. (See page 13.)

MOTOR INSTALLATION

The motor and the servo amp board are assembled together. If found defective, disassemble the motor block as shown in Fig. 2-5 and repair it.

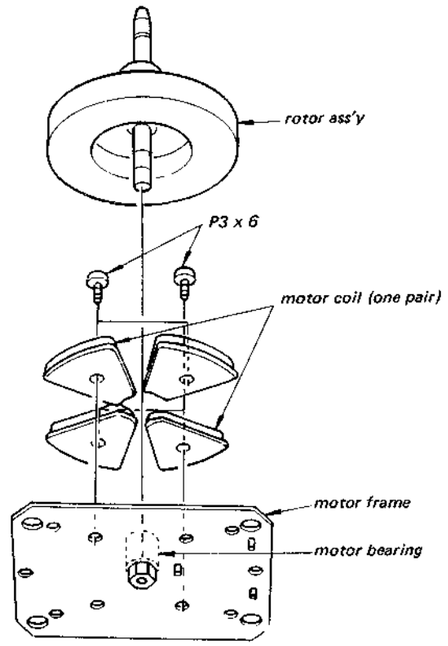


Fig. 2-5

1. When the rotor ass'y is replaced, apply two drops of the SONY oil (OL-2KA) in the pivot.
2. When the motor bearing is replaced, apply two drops of the SONY oil (OL-2KA) in the pivot.

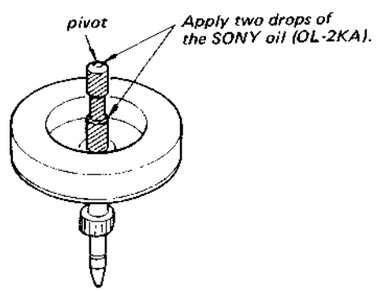


Fig. 2-6

3. The motor coils are composed of two pairs.
   a) Mount the coils on the motor frame so that the boss of the coil is placed in the hole of the frame as illustrated in Fig. 2-7.
   b) Push the coils in the direction of the arrow and tighten the screws.
   c) Lay the leads of the coils as shown in Fig. 2-8 and fix the leads in the groove between the portions marked by * in Fig. 2-9.
4. Insert the rotor assembly slowly in the motor bearing so that the motor shaft is not attracted by storng magnetic field strength.

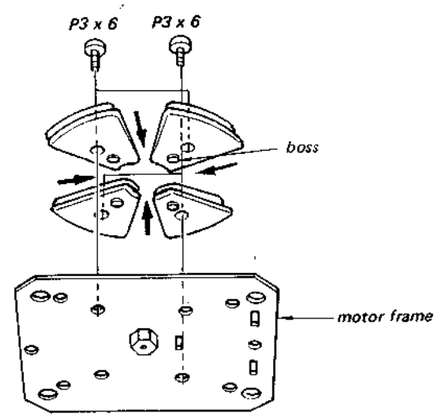


Fig. 2-7

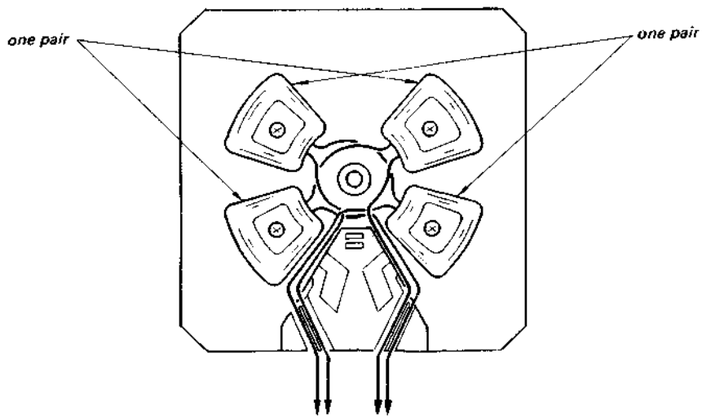


Fig. 2-8

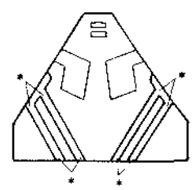


Fig. 2-9

Automatic Return Position Adjustment

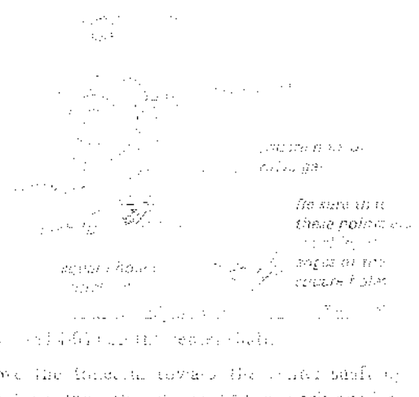
a. POWER switch: OFF

1. Remove the chost and the turntable.

2. Put the tonearm on the arm rest.

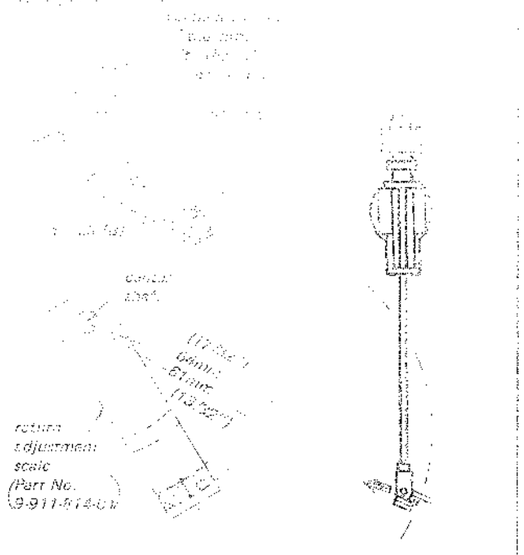
3. Turn the center shaft clockwise by hand and mesh the drive gear one turn or engage the worm gear with the drive gear. Then place the lift gear in the disengaging position.

4. Push the tonearm in [illegible] the direction shown by the arrow and then release it. The tonearm should return [illegible]



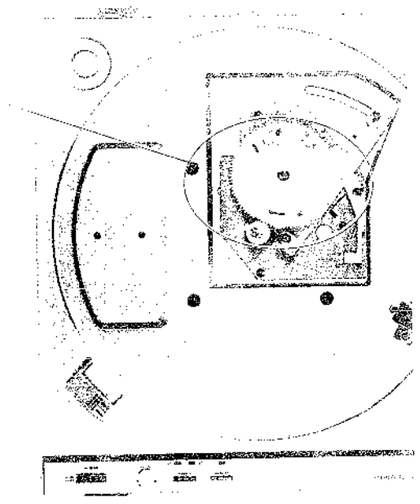
5. [illegible]

Move the tonearm toward the center shaft by hand so that the stylus is positioned [illegible]



7. If necessary, adjust the adjustment screw.

Stylus Position	Adjustment Direction
Outside of hatched area	clockwise
Inside of hatched area	counterclockwise

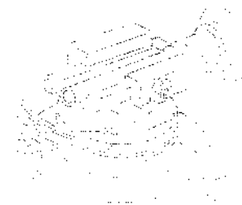


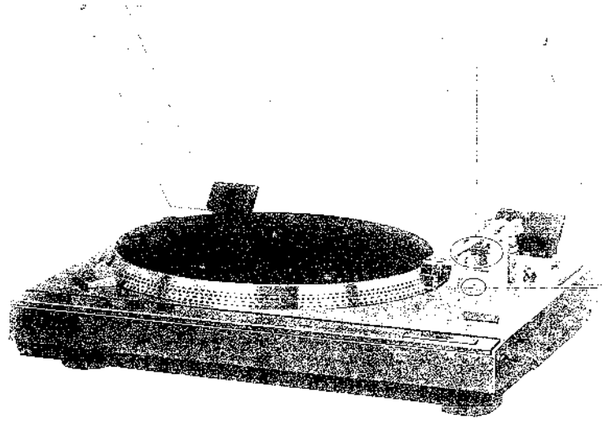
Stylus Height Adjustment

1. [illegible]

2. Lift the arm lifter up and make sure that the clearance between the stylus tip and the record [illegible] 30 mm (3/16 – 1/8 inches).

3. If necessary, [illegible] arm lifter height.

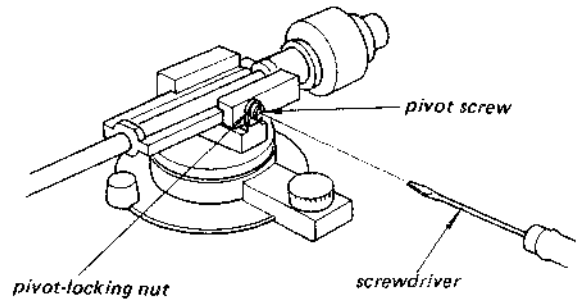


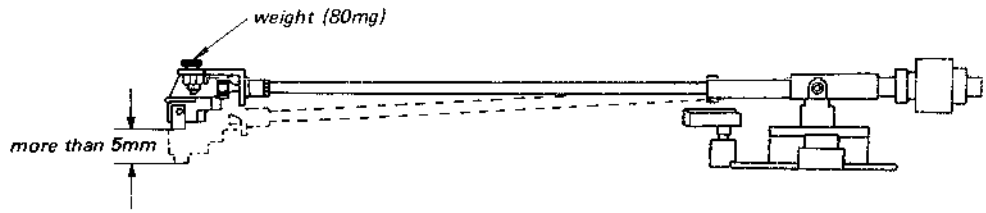


Longitudinal Sensitivity Adjustment

1. Make the longitudinal balance adjustment of tonearm.
2. Repeating the following procedures, adjust the pivot screw and the pivot-locking nut.
   a. When the 80 mg weight is placed on the top of the shell, the tonearm sinks more than 5 mm (measured at stylus-tip.)
   b. When the weight is removed, the tonearm returns horizontally.

Note: Rotate the left and right pivot screws by same numbers of turns.



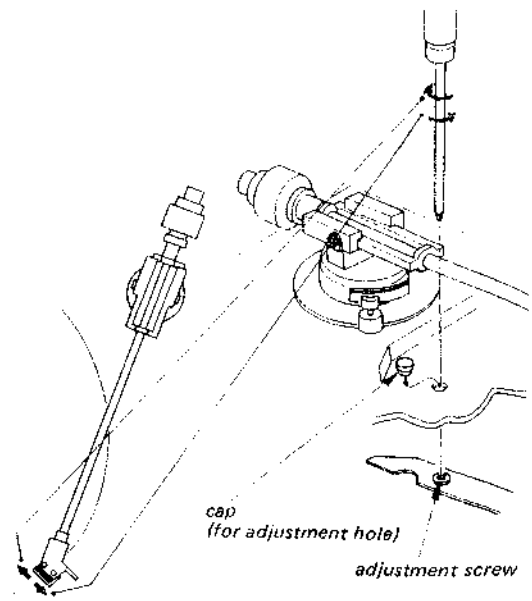


Stylus Drop-point Adjustment

1. Remove the rubber cap.
2. Make sure that the stylus drops on the specified point of the test record.
   test record: YFSC-16

Record size	Count of drop-point
30 (12")	4 to 16
17 (7")	6 to 24

3. If necessary, insert the screw-driver into the hole and adjust the drop-point by turning the adjustment screw.
   To change the drop-point inward:
   Turn the adjustment screw slightly clockwise. (The figure of the drop-point will be large.)
   To change the drop-point outward:
   Turn the adjustment screw slightly counter-clockwise. (The figure of the drop-point will be small.)



Note 2: Once it is properly adjusted with a 30 cm (12") record, the drop-point will be correct for 17 cm (7") records.

[illegible]

Speed-Detecting Head Circuit Adjustment

1. Adjust the position of the speed-detecting head by loosening two screws so that the VTVM reading is more than 20mV and less than 24 rpm.
2. Make sure that the head does not touch the rotating disc while adjusting the detecting head.

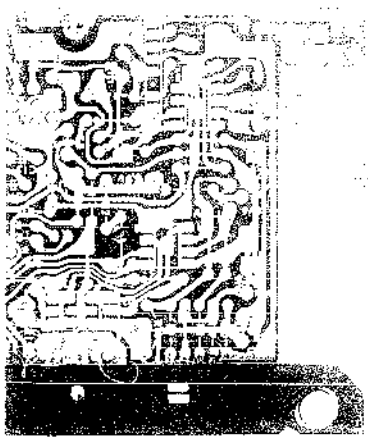
Reference

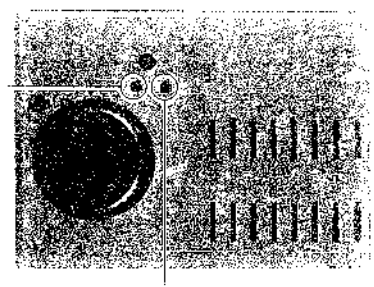
Adjust the [illegible] speed-detecting head to [illegible] [illegible] [illegible] the [illegible]

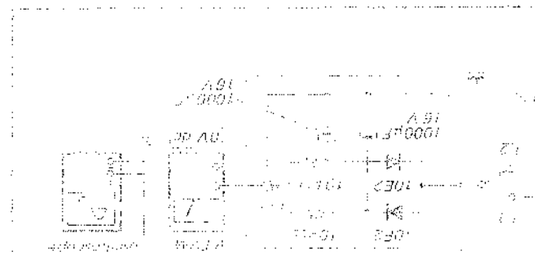
[illegible] Speed Adjustment

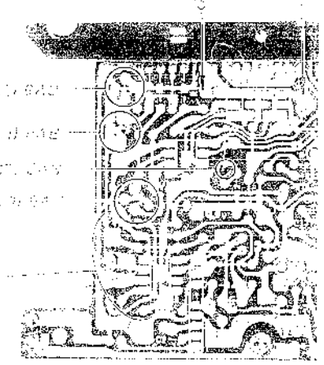
If correct speed cannot be obtained by adjusting of PWM control, adjust RV1 (33 rpm) and RV2 (45 rpm) in the bottom of the unit through mechanical speed adjustment hole.

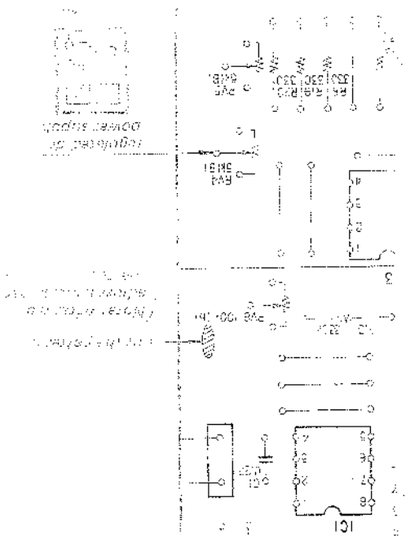
1. Place the set in operation for [illegible] mode in the measurement point.
2. Set the record/play switch [illegible] position and put [illegible] [illegible]
3. Set the [illegible] [illegible]

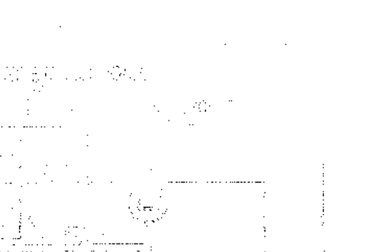


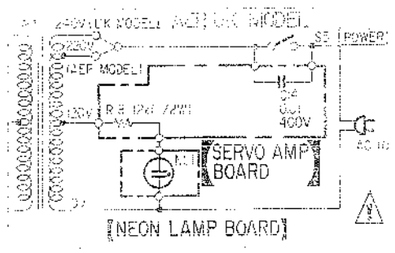


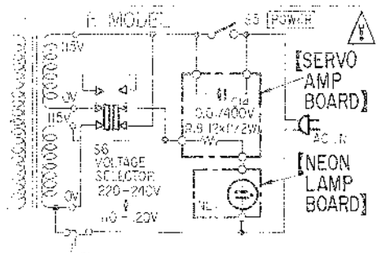








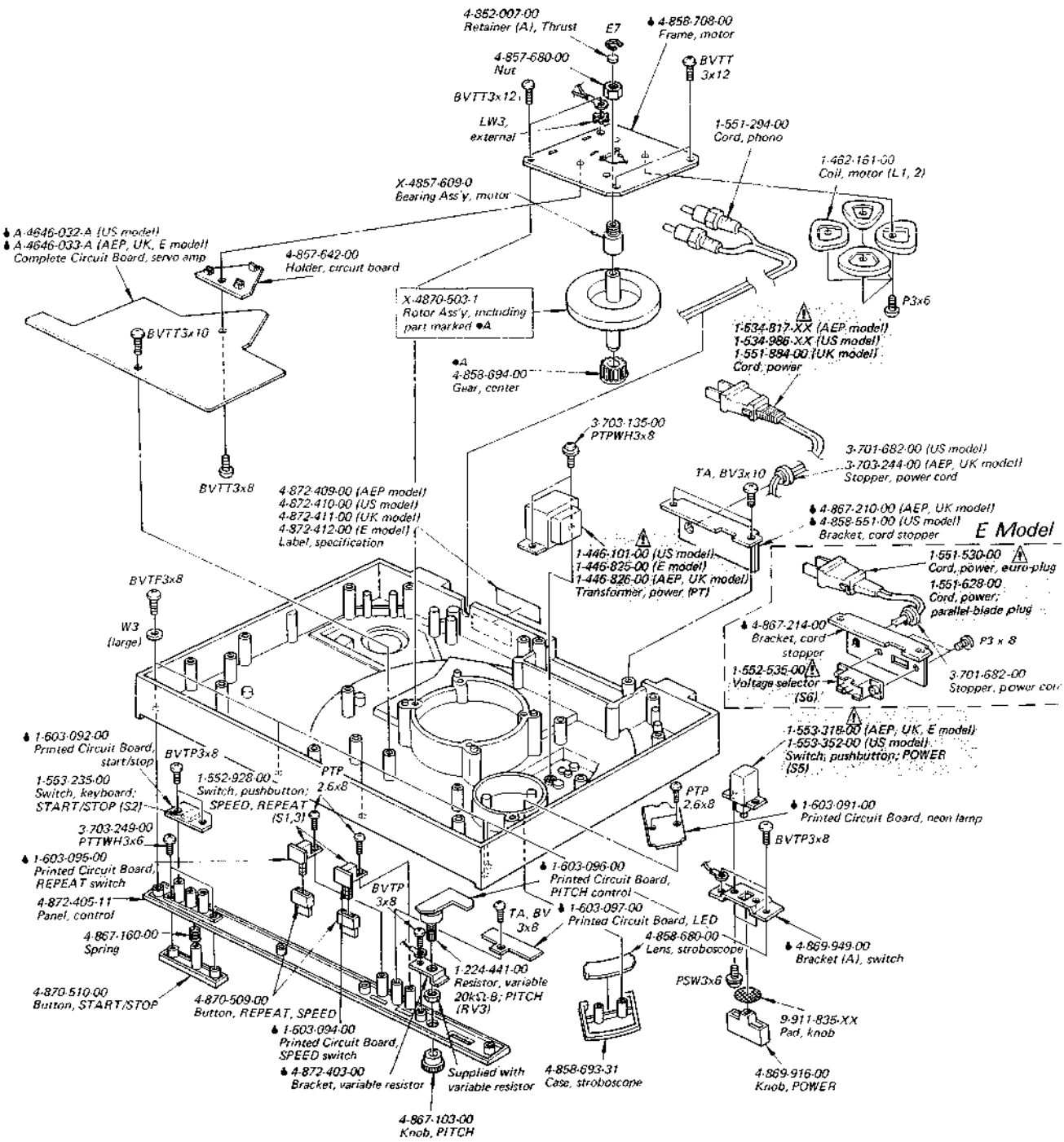




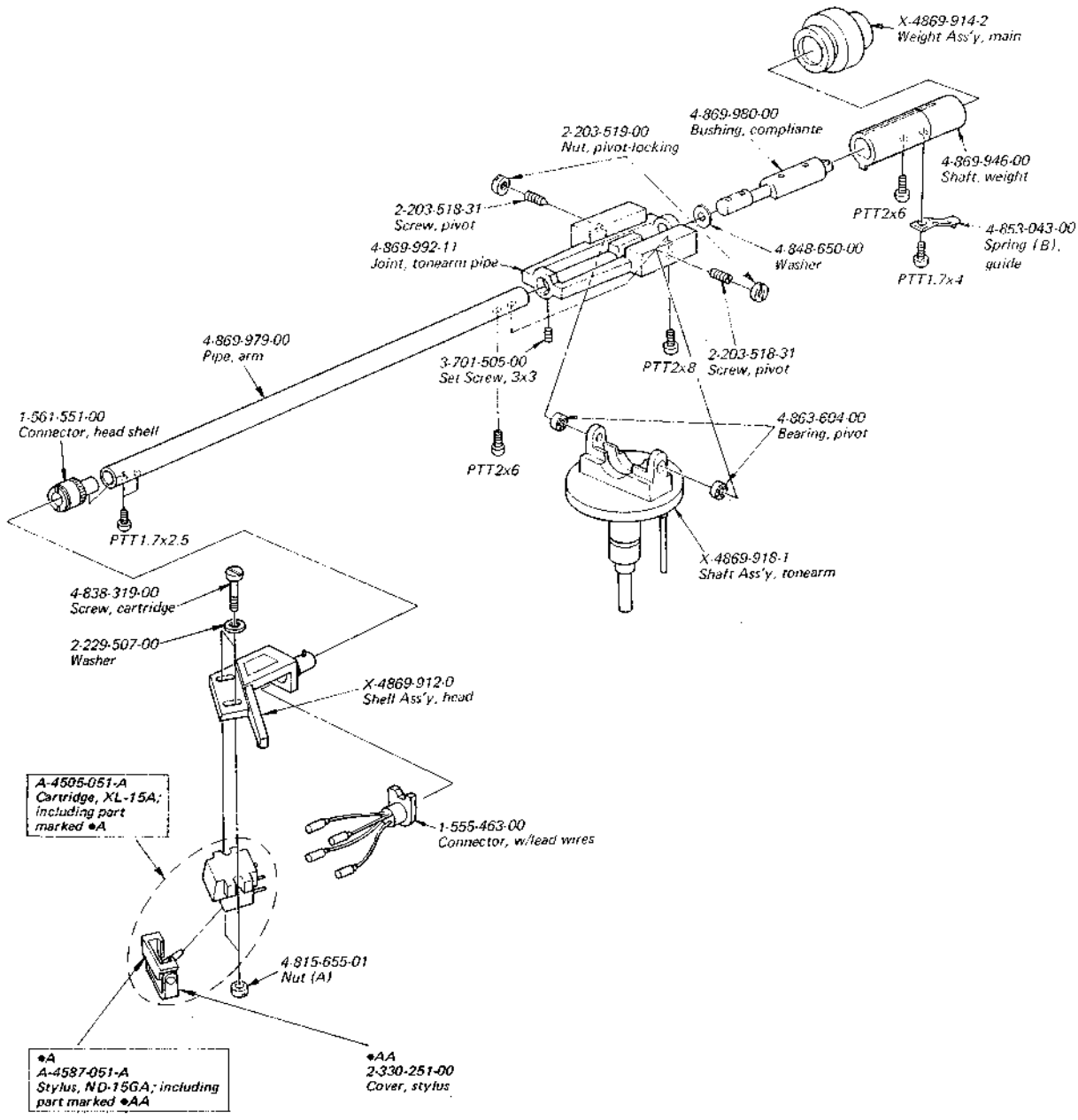
Switch

Ref. No.	Switch	Position
S1	SPEED	3/3
S2	START/STOP	OFF
S3	REPEAT	OFF
S4	ARM (RSD)	OFF
S5	POWER	OFF
S6	VOLTAGE SELECTOR	110 - 120V

5-3.


4-852-007-00 Retainer (A), Thrust
E7
4-858-708-00 Frame, motor
4-857-680-00 Nut
BVTT 3x12
BVTT3x12
LW3, external
1-551-294-00 Cord, phono
1-462-161-00 Coil, motor (L1, 2)
X-4857-609-0 Bearing Ass'y, motor
A 4-646-032-A (US model)
A 4-646-033-A (AEP, UK, E model)
Complete Circuit Board, servo amp
4-857-642-00 Holder, circuit board
X-4870-503-1 Rotor Ass'y, including part marked *A
P3x6
1-534-817-XX (AEP model)
1-534-986-XX (US model)
1-551-594-00 (UK model)
Cord, power
*A
4-858-694-00 Gear, center
BVTT3x10
BVTT3x8
3-703-135-00 PTPWH3x8
3-701-682-00 (US model)
3-703-244-00 (AEP, UK model)
Stopper, power cord
TA, BV3x10
4-872-409-00 (AEP model)
4-872-410-00 (US model)
4-872-411-00 (UK model)
4-872-412-00 (E model)
Label, specification
4-867-210-00 (AEP, UK model)
4-858-551-00 (US model)
Bracket, cord stopper
E Model
1-446-101-00 (US model)
1-446-825-00 (E model)
1-446-826-00 (AEP, UK model)
Transformer, power (PT)
1-551-530-00
Cord, power, euro-plug
1-551-628-00
Cord, power; parallel-blade plug
BVTP3x8
W3 (large)
4-867-214-00 Bracket, cord stopper
P3 x 8
1-552-535-00 Voltage selector (S6)
3-701-682-00 Stopper, power cord
1-553-318-00 (AEP, UK, E model)
1-553-352-00 (US model)
Switch, pushbutton; POWER (S5)
1-603-092-00 Printed Circuit Board, start/stop
BVTP3x8
1-553-235-00 Switch, keyboard; START/STOP (S2)
1-552-928-00 Switch, pushbutton; SPEED, REPEAT (S1,3)
PTP 2.6x8
PTP 2.6x8
1-603-091-00 Printed Circuit Board, neon lamp
3-703-249-00 PTTWH3x6
BVTP3x8
1-603-095-00 Printed Circuit Board, REPEAT switch
1-603-096-00 Printed Circuit Board, PITCH control
4-872-405-11 Panel, control
BVTP 3x8
TA, BV 3x8
1-603-097-00 Printed Circuit Board, LED
4-858-680-00 Lens, stroboscope
4-869-949-00 Bracket (A), switch
4-867-160-00 Spring
1-224-441-00 Resistor, variable 20kΩ-B; PITCH (RV3)
PSW3x6
4-870-510-00 Button, START/STOP
4-870-509-00 Button, REPEAT, SPEED
1-603-094-00 Printed Circuit Board, SPEED switch
4-872-403-00 Bracket, variable resistor
Supplied with variable resistor
4-858-693-31 Case, stroboscope
9-911-835-XX Pad, knob
4-867-103-00 Knob, PITCH
4-869-916-00 Knob, POWER

5-4.


X-4869-914-2
Weight Ass'y, main
4-869-980-00
Bushing, compliante
2-203-519-00
Nut, pivot-locking
4-869-946-00
Shaft, weight
2-203-518-31
Screw, pivot
PTT2x6
4-853-043-00
Spring (B), guide
4-869-992-11
Joint, tonearm pipe
4-848-650-00
Washer
PTT1.7x4
4-869-979-00
Pipe, arm
3-701-505-00
Set Screw, 3x3
PTT2x8
2-203-518-31
Screw, pivot
1-561-551-00
Connector, head shell
4-863-604-00
Bearing, pivot
PTT2x6
PTT1.7x2.5
X-4869-918-1
Shaft Ass'y, tonearm
4-838-319-00
Screw, cartridge
2-229-507-00
Washer
X-4869-912-0
Shell Ass'y, head
A-4505-051-A
Cartridge, XL-15A; including part marked •A
1-555-463-00
Connector, w/lead wires
4-815-655-01
Nut (A)
•A
A-4587-051-A
Stylus, ND-15GA; including part marked •AA
•AA
2-330-251-00
Cover, stylus

SECTION 6
ELECTRICAL PARTS LIST

Ref. No.	Part No.	Description

SEMICONDUCTORS

Transistors

Q1	8-760-413-10	2SC1475
Q2, 3	8-729-374-02	2SB740
Q4	8-760-413-10	2SC1475
Q5	8-729-612-77	2SA1027R
Q6–9	8-729-663-47	2SC1364

ICs

IC1	8-759-145-58	μPC4558C
IC2	8-759-602-65	CX065B
IC3	8-759-145-58	μPC4558C

Diodes

D1–4	8-719-200-02	10E2
D5–7	8-719-311-20	SEL1120R
H1, 2	8-719-903-00	HL300C (Hall Device)

RESISTORS

All resistors are in ohms. Common ¼W carbon resistors are omitted. Refer to the list on page 16 for their part numbers.

R16	⚠ 1-212-873-00	47	¼W	fusible
R18	⚠ 1-244-899-00	12k	½W	carbon
RV1, 2	1-226-238-00	50k-B, adjustable; speed		
RV3	1-224-441-00	20k-B, variable; PITCH		
RV4, 5	1-226-430-00	5k-B, adjustable; gain		
RV6	1-226-434-00	100k-B, adjustable; offset		
RV7	1-226-239-00	100k-B, adjustable; offset		

CAPACITORS

All capacitors are in μF. Common capacitors are omitted. Refer to the lists on pages 27 and 28 for their part numbers.

C1	1-161-744-00	0.01	400V, ceramic
C14	[illegible]	[illegible]	(AEP, UK, E model)
C14	1-161-240-00	0.01	125V, ceramic
			(US model)

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

Ref. No.	Part No.	Description

MISCELLANEOUS

HMG	1-543-123-00	Head, speed detecting
L1, 2	1-462-161-00	Coil, Motor
NL1	⚠ 1-519-135-00	Lamp, neon.
PM	1-454-196-00	Solenoid
PT	1-446-101-00	Transformer, power (US model)
	⚠ 1-446-825-00	Transformer, power (E model)
	1-446-826-00	Transformer, power (AEP, UK model)
S1	1-552-928-00	Switch, pushbutton; SPEED
S2	1-553-235-00	Switch, keyboard; START/STOP
S3	1-552-928-00	Switch, pushbutton; REPEAT
S4	1-552-532-00	Switch, miniature; arm
S5	⚠ 1-553-318-00	Switch, pushbutton, POWER (AEP, UK, E model)
	⚠ 1-553-352-00	Switch, pushbutton; POWER (US model)
S6	⚠ 1-552-535-00	Voltage Selector (E model)
	A-4505-051-A	Cartridge, XL-15A
	1-452-059-00	Magnet, brake
	♦ 1-508-799-00	Base Post
	♦ 1-508-800-13	Base Post
	⚠ 1-534-817-XX	Cord, power (AEP model)
	⚠ 1-534-986-XX	Cord, power (US model)
	1-551-294-00	Cord, phono
	⚠ 1-551-530-00	Cord, power; euro-plug (E model)
	⚠ 1-551-628-00	Cord, power; parallel blabe plug (E model)
	⚠ 1-551-884-00	Cord, power (UK model)
	1-555-463-00	Connector, w/lead wire
	♦ 1-560-265-00	Base Post
	1-561-551-00	Connector, head shell

PRINTED CIRCUIT BOARDS

♦ 1-600-039-00	Relay
♦ 1-603-091-00	Neon Lamp
♦ 1-603-092-00	Start/stop Switch
♦ 1-603-093-00	Arm Switch
♦ 1-603-094-00	SPEED Switch

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

Part No.	*Description*
● 1-603-095-00	REPEAT Switch
● 1-603-096-00	PITCH Control
● 1-603-097-00	LED

COMPLETE CIRCUIT BOARDS

● A-4646-032-A	Servo Amp (US model)
● A-4646-033-A	Servo Amp (AEP, UK, E model)

ACCESSORIES AND PACKING MATERIALS

Part No.	*Description*
3-701-613-00	Bag, plastic
3-701-616-00	Bag, plastic
3-701-630-00	Bag, plastic
3-701-634-00	Bag, plastic
3-701-806-00	Adaptor, 45 rpm
3-783-269-11	Manual, instruction (AEP, UK, E model)
3-783-269-21	Manual, instruction (US model)
3-793-395-11	Gauge, tracking error check
4-847-314-00	Bag, plastic
4-862-043-00	Cushion, tonearm
4-862-680-00	Protection
4-863-668-00	Stopper, drive gear
4-869-962-00	Adjustor, drop-point
4-869-974-00	Holder, turntable
4-869-975-00	Cushion, right
4-869-976-00	Cushion, left
4-869-977-00	Box, accessory
4-869-981-00	Sub-weight
4-870-529-00	Case, head shell
4-870-530-00	Label, head shell
4-872-413-00	Carton
X-4869-915-00	Screw Ass'y, cartridge
including:	
4-838-319-01	Screw, cartridge
4-841-044-00	Washer, cartridge

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

ELECTROLYTIC CAPACITORS

RATING → : Use the high voltage rated one.

CAP. (μF)	6.3 VOLT. PART No.	10 VOLT. PART No.	16 VOLT. PART No.	25 VOLT. PART No.	35 VOLT. PART No.	50 VOLT. 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	1-121-368-00	1-123-061-00
2200	1-121-658-00	1-121-659-00	1-123-660-00	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. PART No.	160 VOLT. PART No.	250 VOLT. PART No.	350 VOLT. PART No.
0.47				
1.0	1-123-249-00	1-123-253-00	1-123-003-00	1-123-168-00
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	1-123-009-00	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	1-121-939-00		
100	1-123-084-00			

CERAMIC CAPACITORS

RATING

CAP. (pF)	50 VOLT. PART No.	CAP. (pF)	50 VOLT. PART No.	CAP. (pF)	50 VOLT. PART No.	CAP. (μF)	50 VOLT. PART No.
0.5	1-101-837-00	22	1-102-959-00	150	1-101-364-00	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	1-102-954-00	130	1-101-081-00				

0.001μF = 1,000pF

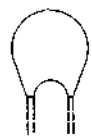
CERAMIC (SEMICONDUCTOR) CAPACITORS

RATING → : Use the high voltage rated one.

CAP. (μF)	25 VOLT. PART No.	50 VOLT. PART No.	CAP. (μF)	25 VOLT. PART No.	50 VOLT. 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	1-161-020-00	1-161-058-00
0.0027	→	1-161-044-00	0.047	1-161-021-00	1-161-059-00
0.0033	→	1-161-045-00	0.056	→	1-161-060-00
0.0039	→	1-161-046-00	0.068	→	1-161-061-00
0.0047	→	1-161-047-00	0.082	1-161-024-00	1-161-062-00
0.0056	→	1-161-048-00	0.1	1-161-025-00	1-161-063-00
0.0068	→	1-161-049-00			
0.0082	1-161-012-00	1-161-050-00			
0.01	1-161-013-00	1-161-051-00			
0.012	→	1-161-052-00			
0.015	1-161-015-00	1-161-053-00			

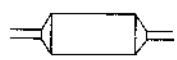
MYLAR CAPACITORS

CAP. (μF)	RATING 50 VOLT. PART No.	100 VOLT. PART No.	200 VOLT. PART No.	CAP. (μF)	50 VOLT. PART No.	100 VOLT. PART No.	200 VOLT. PART No.	CAP. (μF)	50 VOLT. PART No.	100 VOLT. PART No.	200 VOLT. 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

CAP. (μF)	RATING → : Use the high voltage rated one. 3.15 VOLT. PART No.	6.3 VOLT. PART No.	10 VOLT. PART No.	16 VOLT. PART No.	20 VOLT. PART No.	25 VOLT. PART No.	35 VOLT. 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

CAP. (μF)	RATING 3 VOLT. PART No.	6.3 VOLT. PART No.	10 VOLT. PART No.	16 VOLT. PART No.	20 VOLT. PART No.	35 VOLT. 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					

Sony Corporation

STEREO TURNTABLE SYSTEM

PS-T33

US Model
AEP Model
UK Model
E Model
Canadian Model

SUPPLEMENT

File this supplement with the service manual.

No. 1
September, 1980

Add the following parts in the electrical parts list on page 25.

MISCELLANEOUS

Ref. No.	*Part No.*	*Description*
S1	1-552-928-00	Switch, pushbutton; SPEED
S2	1-553-235-00	Switch, keyboard; START/STOP
S3	1-552-928-00	Switch, pushbutton; REPEAT
S4	1-552-532-00	Switch, miniature; arm

Ref. No.	*Part No.*	*Description*
	1-551-294-00	Cord, phono
	⚠1-551-530-00	**Cord, power; parallel-blade plug (E model)**

9-958-816-81

Sony Corporation

SONY
SERVICE MANUAL
80102123-1
Printed in Japan