PS-LX330/LX330P

SERVICE MANUAL

PS-LX330:
E Model

PS-LX330P:
US Model
Canadian Model
AEP Model
UK Model
E Model

PHOTO: PS-LX330P

SPECIFICATIONS

Turntable

Platter	30 cm (12 in.), aluminum-alloy diecast
Motor	DC servo motor
Drive system	Belt drive
Control system	DC servo control system
Speed	33⅓ rpm, 45 rpm
Starting characteristics	Comes to nominal speed within a half revolution (33⅓ rpm)
Wow and flutter	0.045% (WRMS) ±0.06% (DIN)
Signal-to-noise ratio	70 dB (DIN-B)
Automatic system	Lead-in, return, reject, repeat, record size selection

Tonearm

Type	Dynamically balanced
Pivot-to-stylus length	200 mm (7⅞ in.)
Overhang	18 mm (²³/₃₂ in.)
Tracking error	+3°30′, −1°

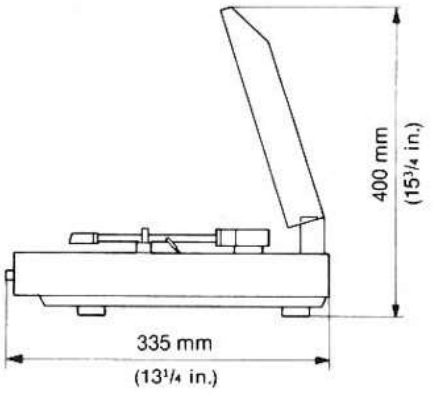
Cartridge VL-43GS

Type	Moving magnet type
Frequency response	20 Hz to 20 kHz
Channel separation	18 dB at 1 kHz
Output voltage	2.5 mV at 1 kHz, 5 cm/sec.
Load impedance	50 kilohms
Tracking force	2.0 g
Stylus	Sony ND-143G (Conical 0.6 mil diamond)

General

Power requirements	110 – 120 or 220 – 240 V ac adjustable, 50/60 Hz (PS-LX330)
Power consumption	6 W
Dimensions	Approx. 355 × 95 × 330 mm (w/h/d) (14 × 3⅝ × 13 in.) including projecting parts and controls

Dimensions with the dust cover opened



Weight	Approx. 2.7 kg (5 lbs 15 oz), net (PS-LX330) Approx. 3.8 kg (8 lbs 6 oz), in shipping carton (PS-LX330)

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.

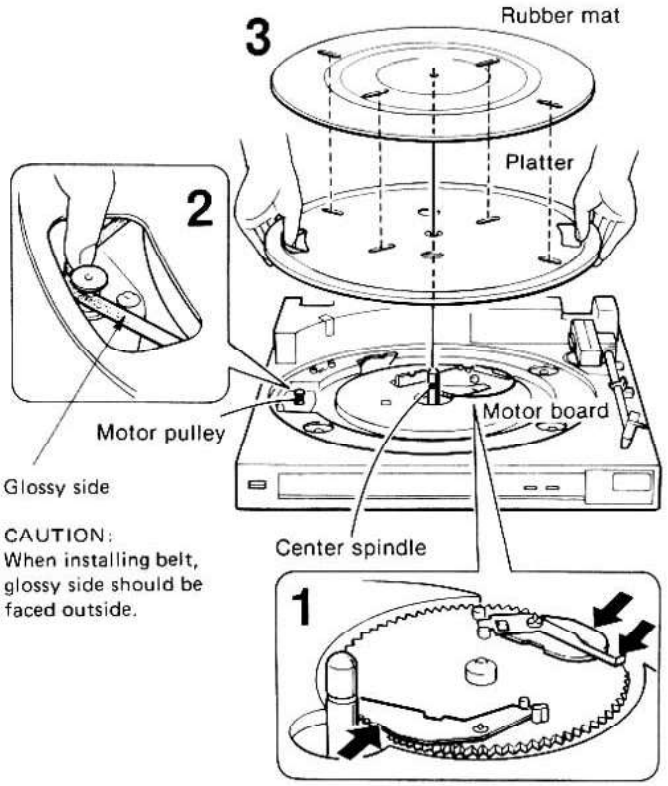
MICROFILM

STEREO TURNTABLE SYSTEM

SONY®

TURNTABLE ASSEMBLY

Do not connect the power cord or the connecting cords until the turntable has been completely assembled.
Remove all packing material and wipe the cabinet off.
Save the packing box and materials for possible future use.

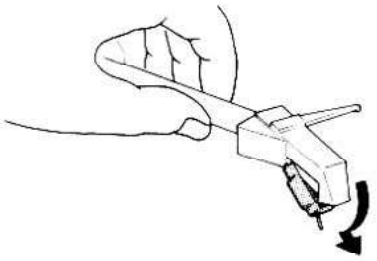


1 Keep the metallic parts indicated by the arrows in the illustration inside the large white gear.
2 Set the platter on the motor board while holding the belt as shown in the illustration and hook the belt on the motor pulley.
3 Place the rubber mat on the platter so that the holes for auto-record-size selection on the rubber mat and on the platter are matched correctly.

REPLACING THE STYLUS

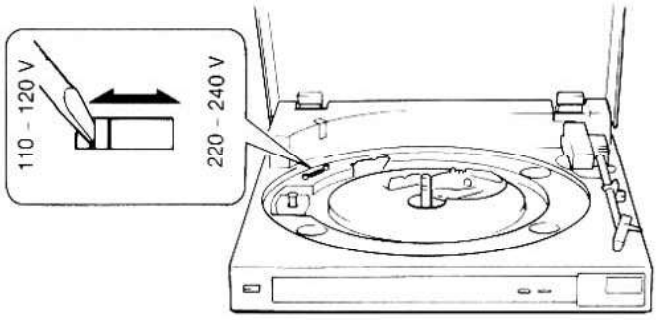
The stylus will lose its effectiveness and begin to damage records after about 400 hours of use.
An ND-143G replacement stylus is available at your Sony dealer.
Handle the stylus carefully as it is very delicate.
Install the replacement stylus as follows.

1 Lower the sound level or turn the amplifier off.
2 Secure the tonearm to the arm rest.
3 While holding the tonearm pipe with your hand, detach the stylus assembly as illustrated.
4 Insert the new stylus into the cartridge.



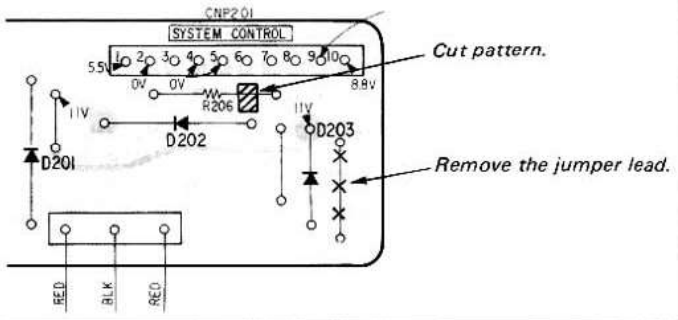
OPERATING VOLTAGE (PS-LX330)

Before connecting the unit to the power source, check that the operating voltage of your unit is the same as the local power line voltage.
The voltage selector is located on the motor board. If the selector must be reset, disconnect the ac power cord and slide the selector to the desired voltage.

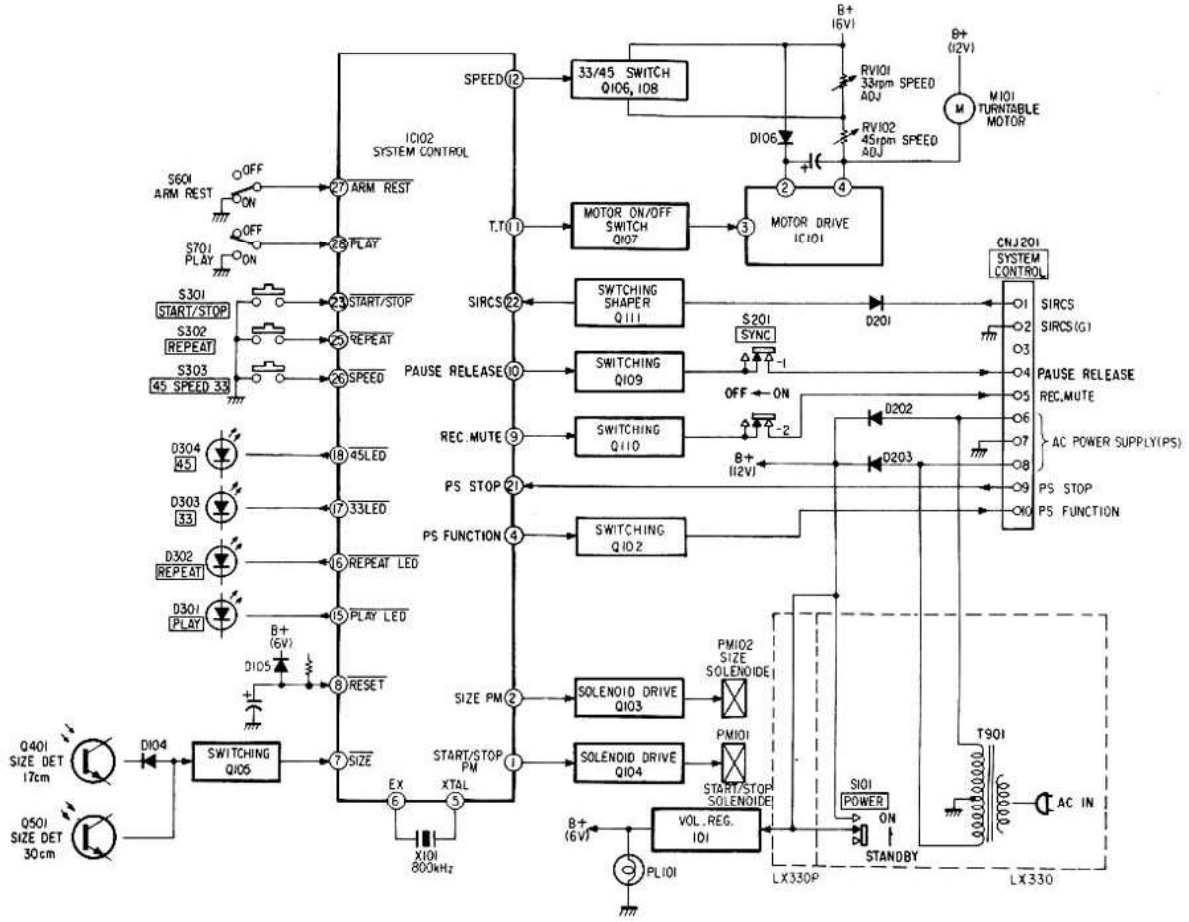


SERVICING NOTE

PS-LX330 contains power supply circuit.
When repairing, do not connect the connector to control the system.
If connection is required to confirm synchronized operation, connect the connector after cutting the pattern and removing the jumper lead as illustrated.



SECTION 1
BLOCK DIAGRAM



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)

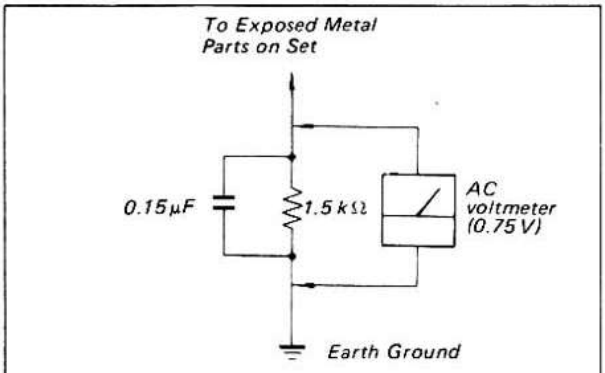


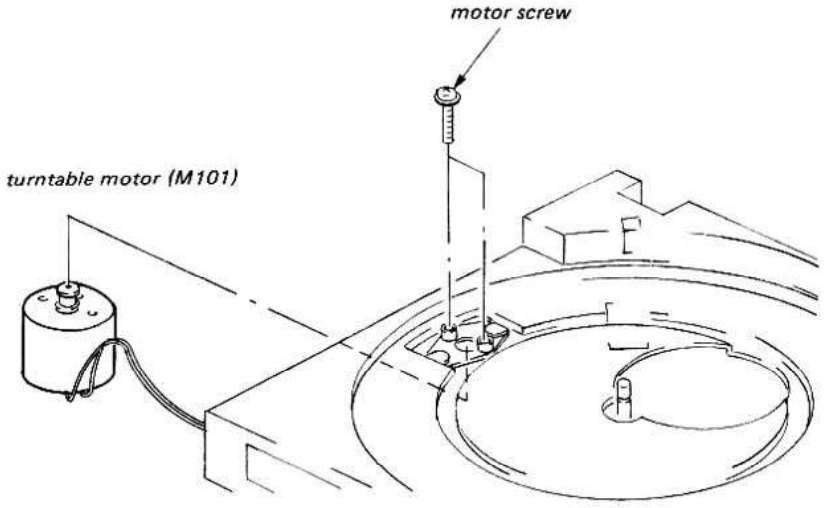
Fig. A. Using an AC voltmeter to check AC leakage.

SECTION 2
DISASSEMBLY AND ASSEMBLY

2-1. REMOVAL

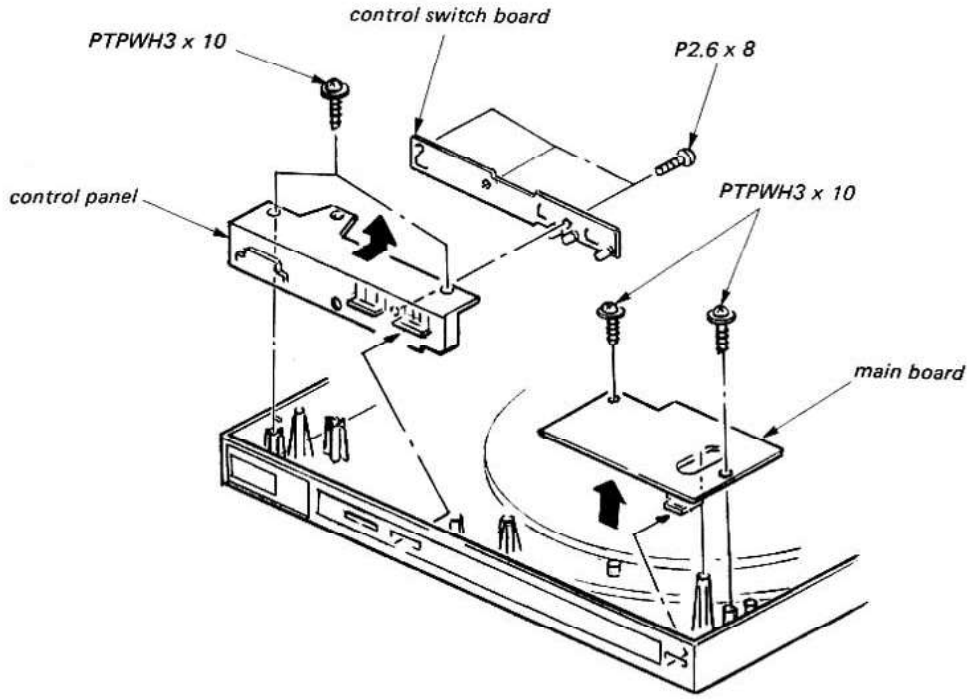
- Follow the disassembly procedure in the numerical order given.

TURNTABLE MOTOR (M101)

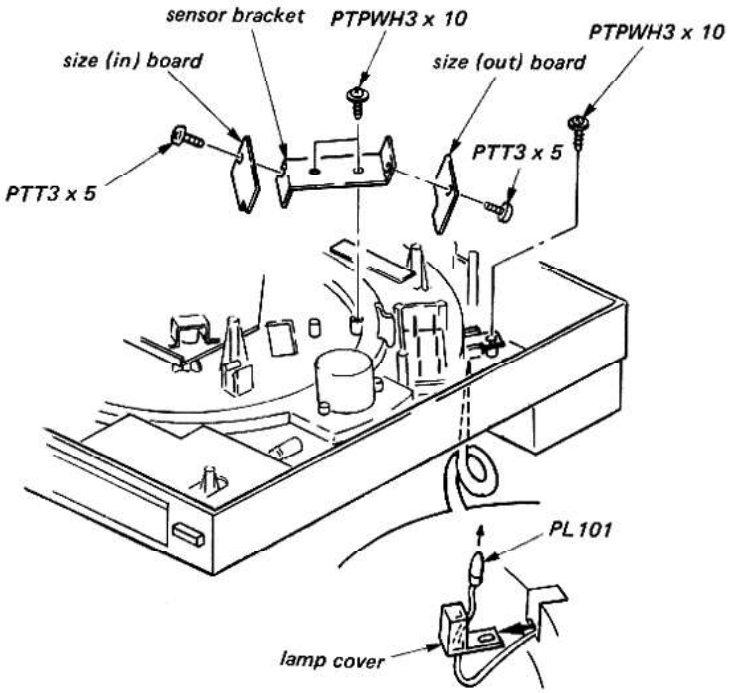


- Remove bottom plate.
  (BVTP3 x 12 5pcs.)
  (BVTP3 x 20 4pcs.)

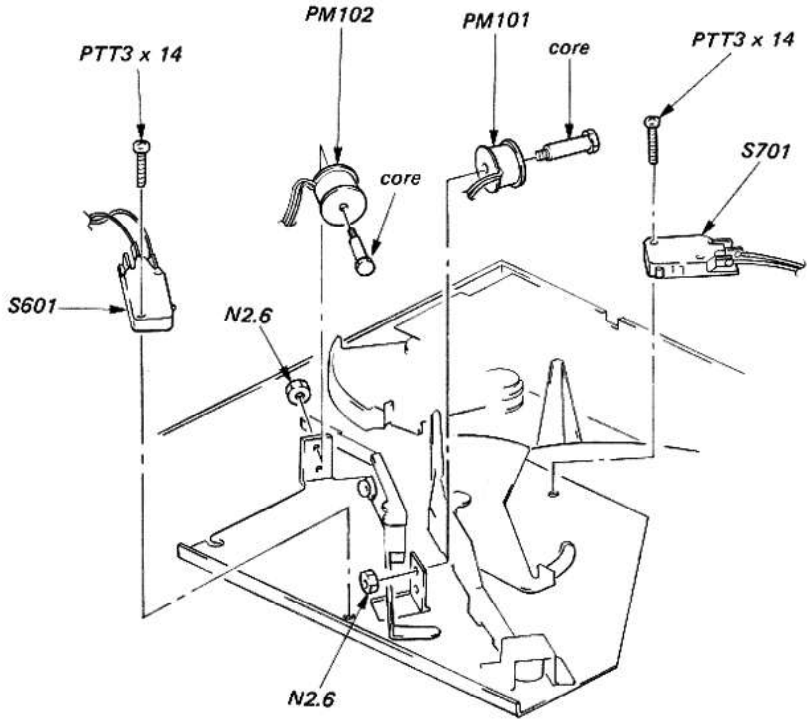
MAIN BOARD, CONTROL SWITCH BOARD



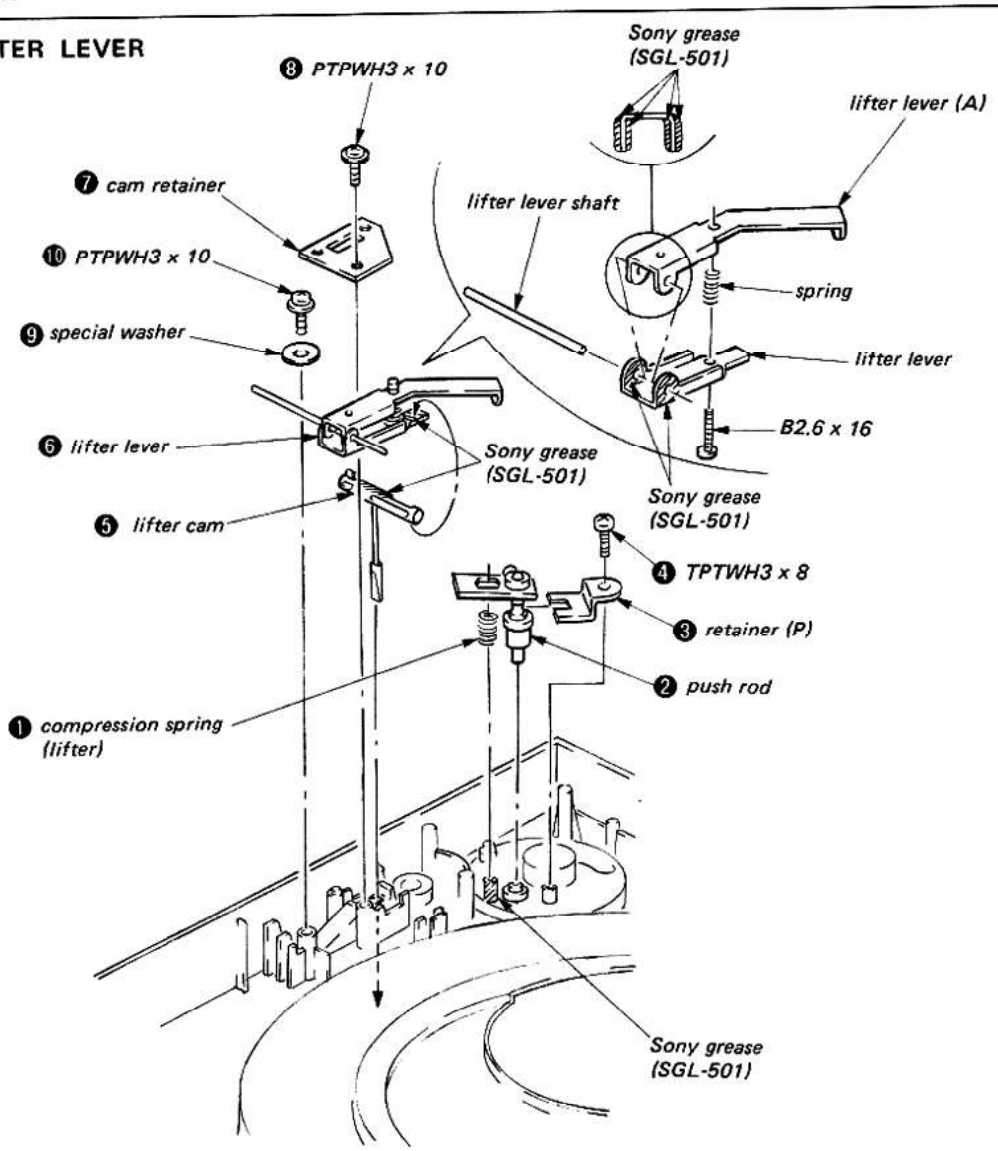
SIZE (IN) BOARD, SIZE (OUT) BOARD, PL101



S601, S701, PM101, PM102



PUSH ROD, LIFTER LEVER

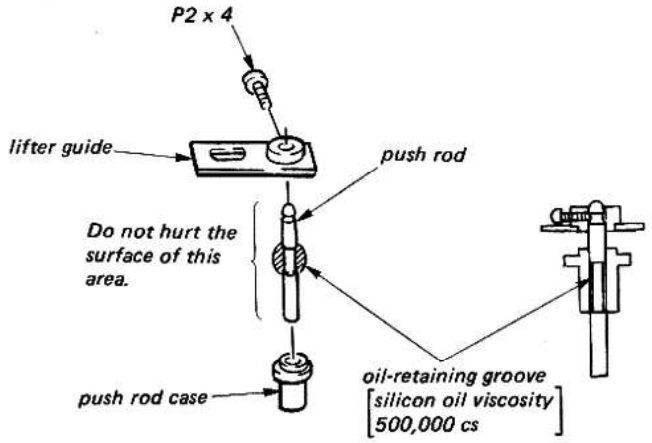


Caution for installation:

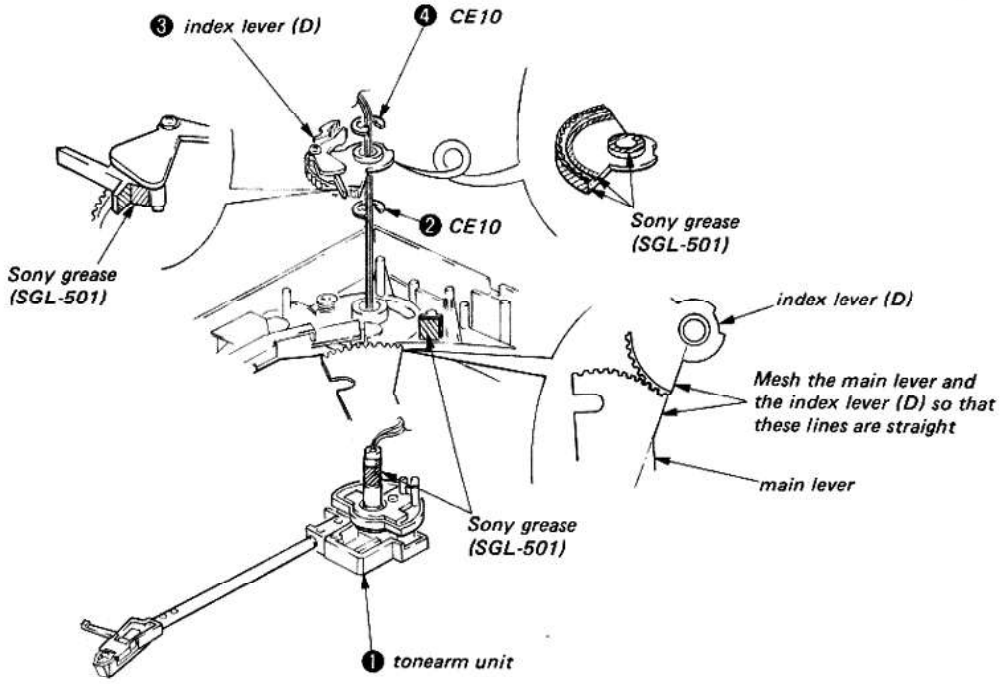
When the push rod is replaced, apply silicon oil (viscosity: 500,000 cs) to the push rod as illustrated below.

Caution:

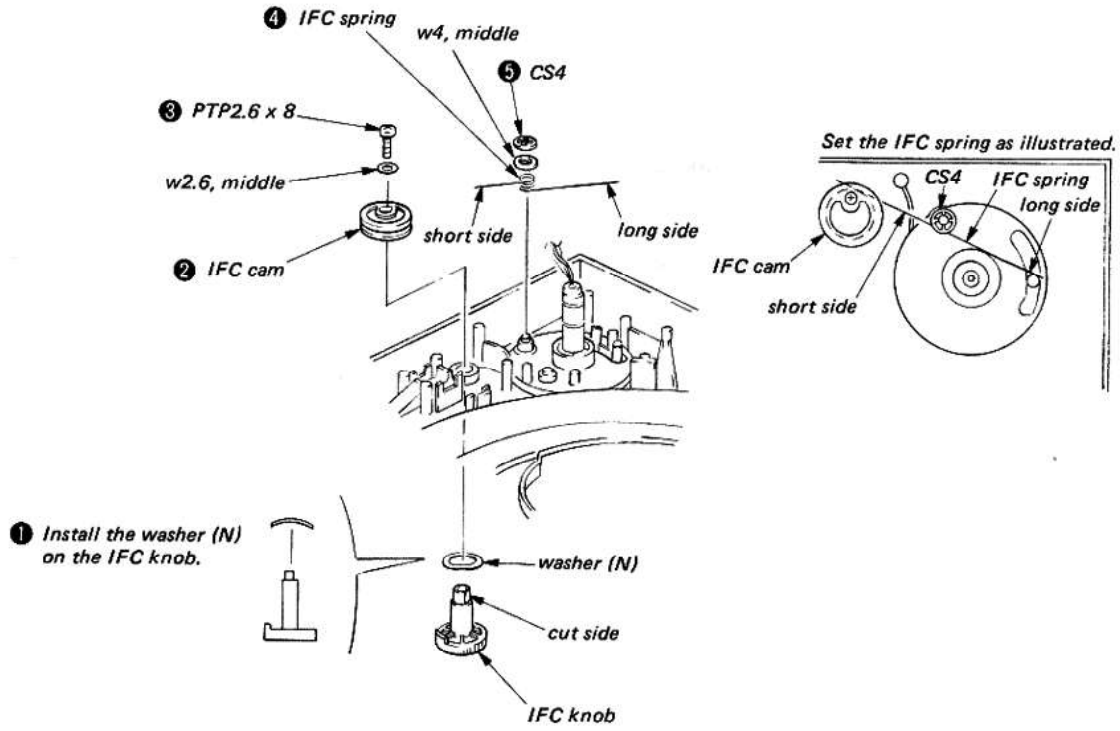
When lubricating, rotate and move the push rod up and down a few times.



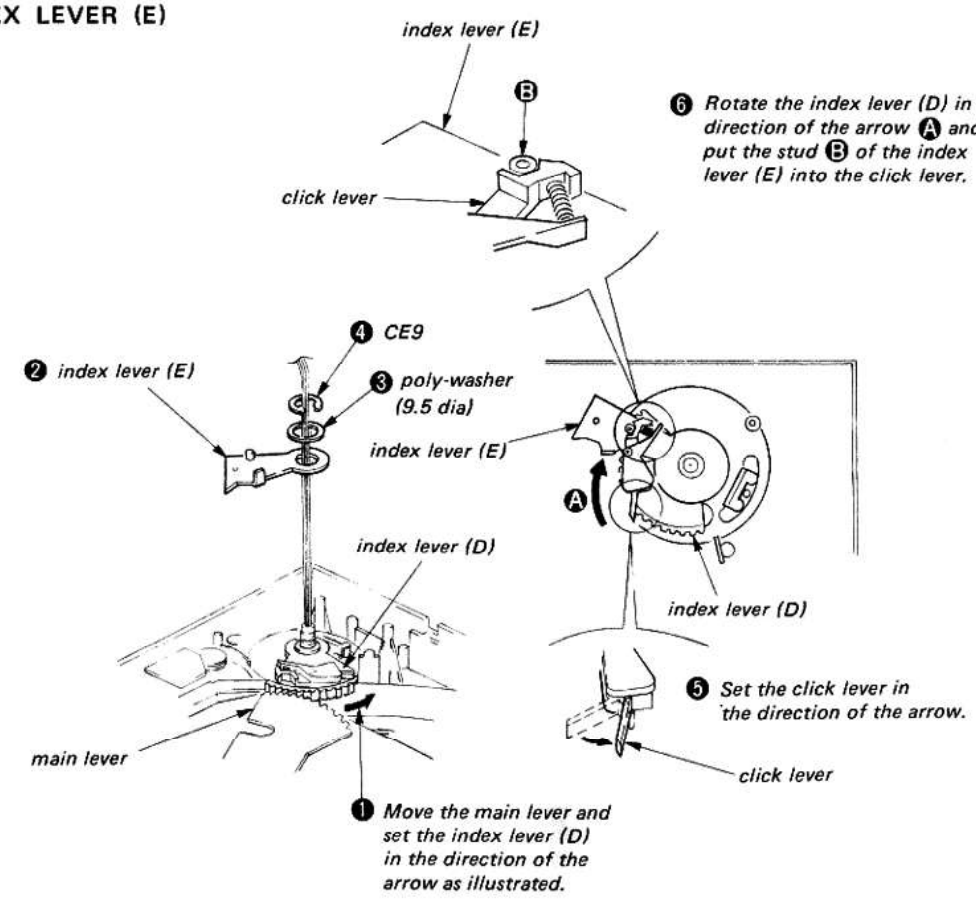
TONEARM UNIT, INDEX LEVER (D)



IFC KNOB

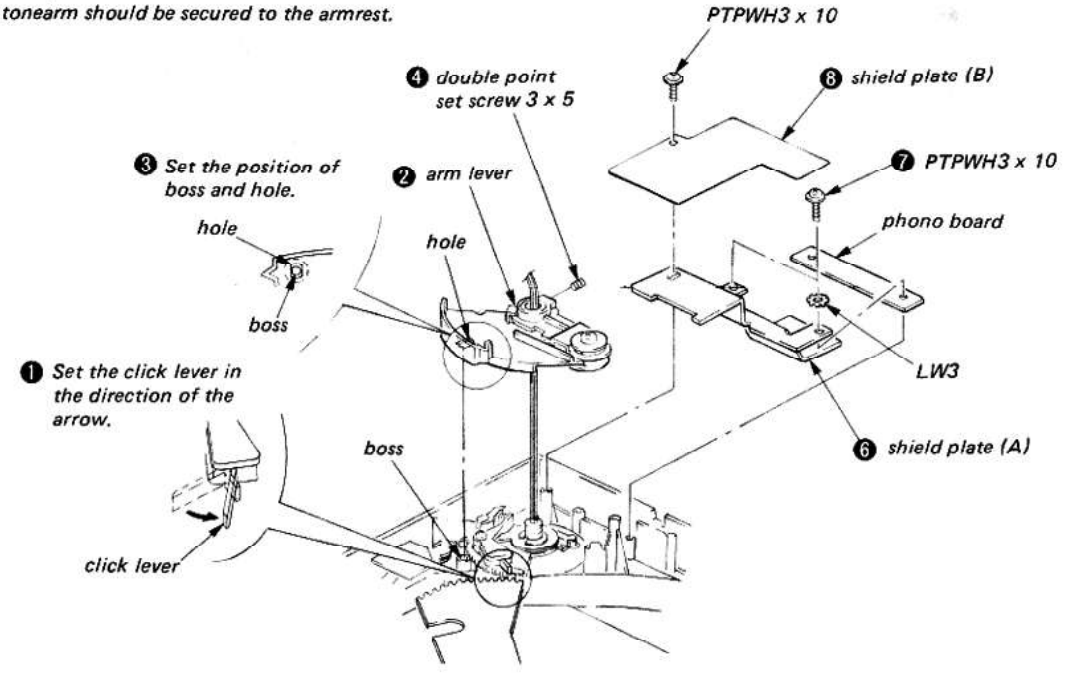


INDEX LEVER (E)

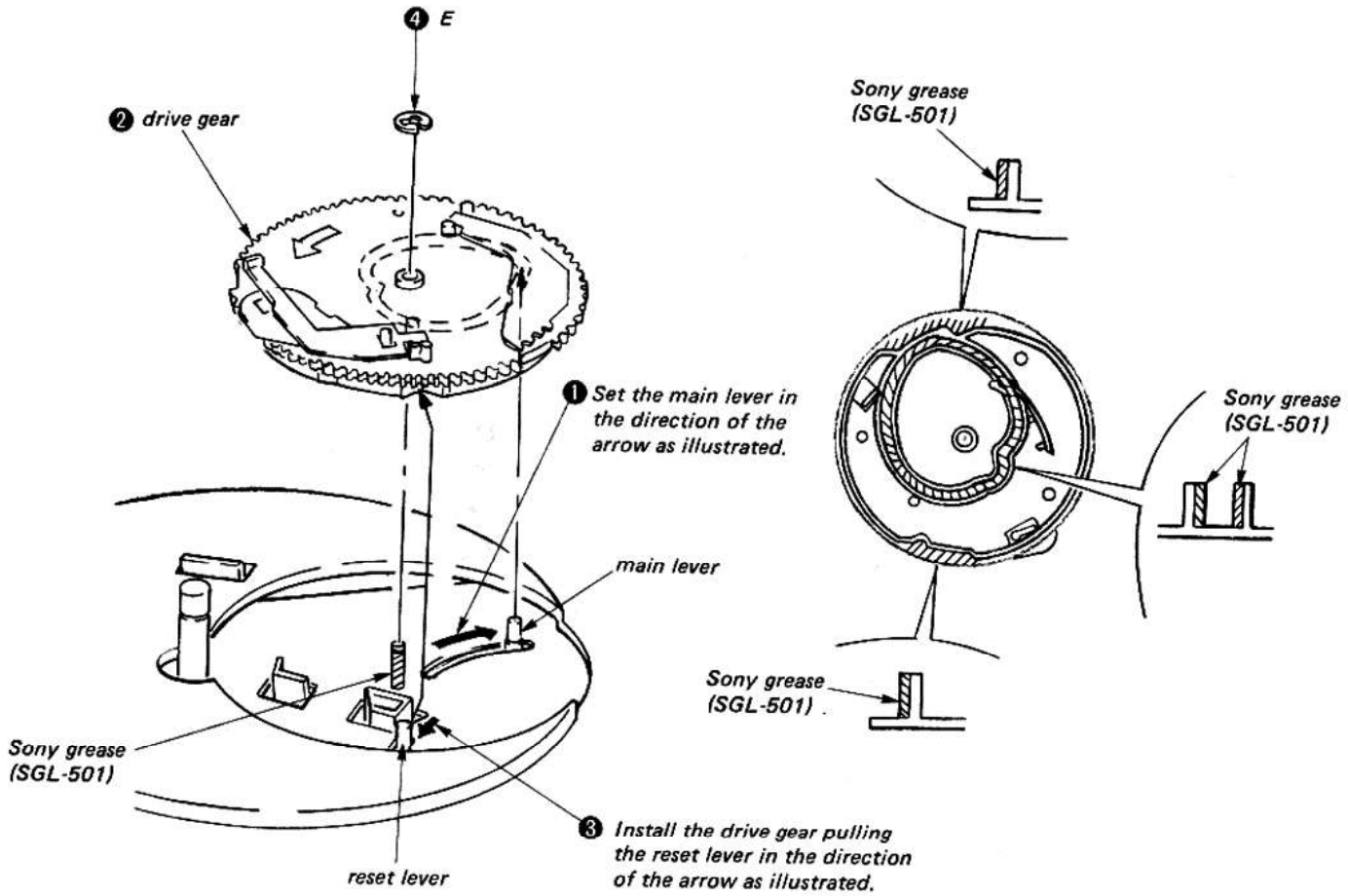


ARM LEVER, PHONO BOARD

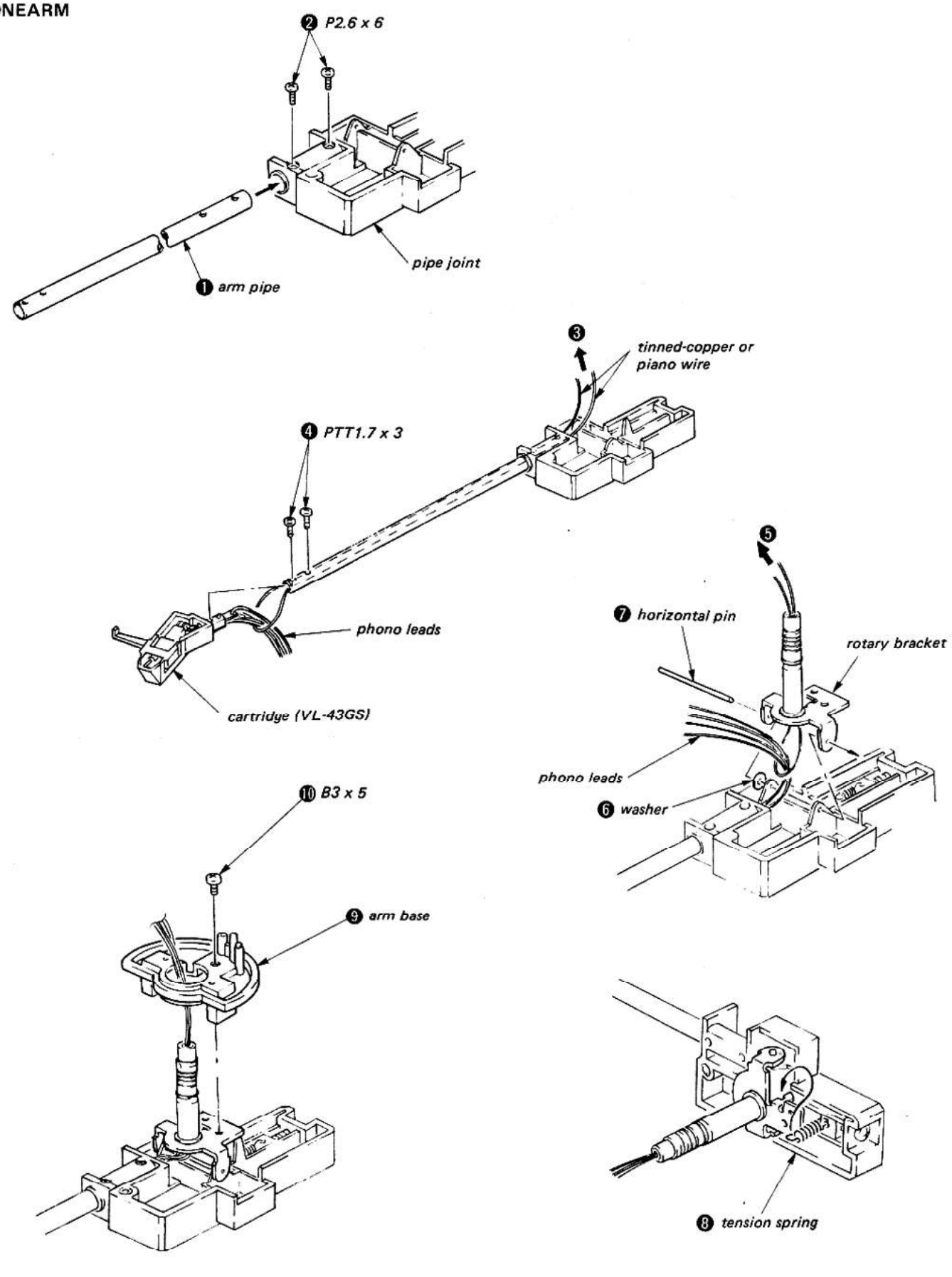
Note: The tonearm should be secured to the armrest.



DRIVE GEAR


❹ E
❷ drive gear
❶ Set the main lever in the direction of the arrow as illustrated.
main lever
Sony grease (SGL-501)
❸ Install the drive gear pulling the reset lever in the direction of the arrow as illustrated.
reset lever
Sony grease (SGL-501)
Sony grease (SGL-501)
Sony grease (SGL-501)

TONEARM

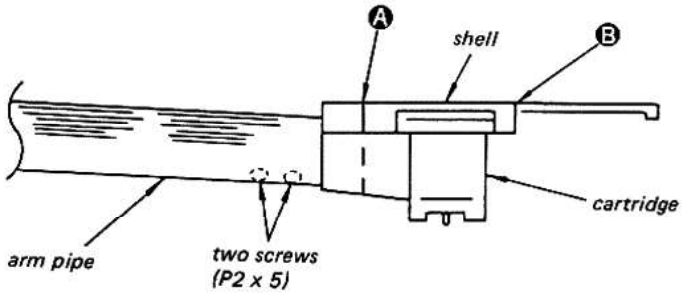

❷ P2.6 x 6
pipe joint
❶ arm pipe
❸
tinned-copper or
piano wire
❹ PTT1.7 x 3
phono leads
cartridge (VL-43GS)
❺
❼ horizontal pin
rotary bracket
phono leads
❻ washer
❿ B3 x 5
❾ arm base
❽ tension spring

SECTION 3
ADJUSTMENTS

3-1. MECHANICAL ADJUSTMENTS

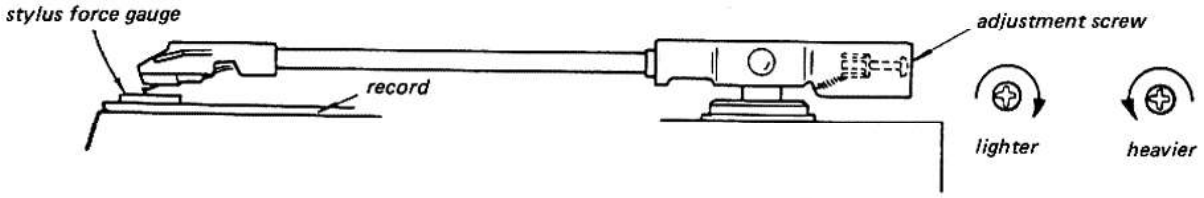
Cartridge Level Adjustment

Loosen the two screws and adjust the inclination of the cartridge so that the line of the point Ⓐ and point Ⓑ becomes horizontal against turntable.
After the adjustment, secure the two screws.



Stylus Force Adjustment

Turn the adjustment screw so that stylus force becomes 2g on stylus force gauge.



Brake Lever Position Adjustment

1. Rotate the drive gear in the direction of the arrow as Fig. 1 and set the main lever in the position ❶ as illustrated.
2. Pressing the size lever in the direction of arrow as Fig. 2, adjust the adjustment screw so that the clearance for portion Ⓐ is 0.5mm ±0.3mm.
3. Rotate the drive gear again, and set the main lever in the position ❷ as illustrated.
4. Make sure to obtain some clearance for portion Ⓑ in Fig. 2.
5. Rotate the drive gear again, and set in its original position.
6. Source the adjustment screw with locking compound.

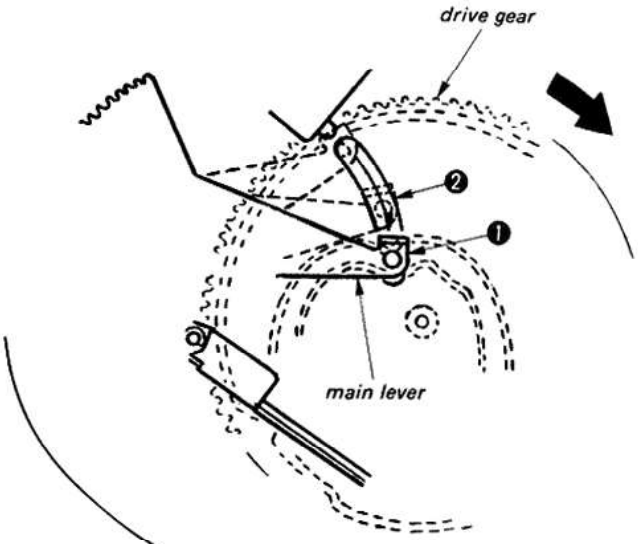
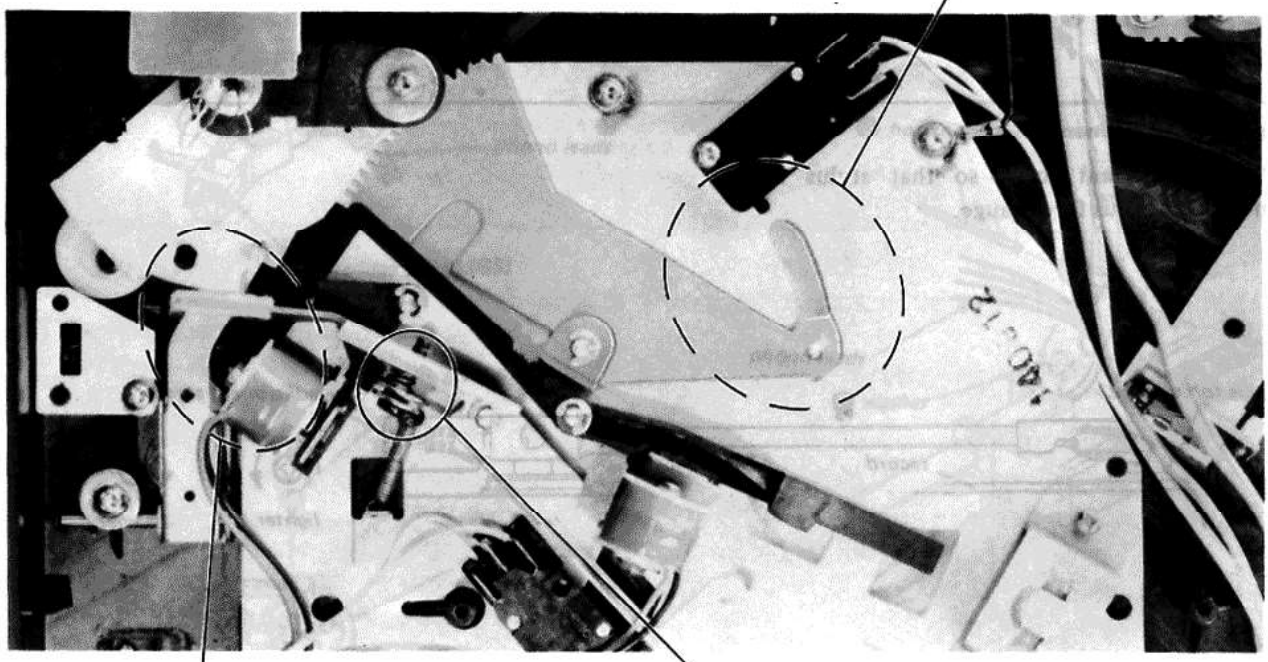


Fig. 1



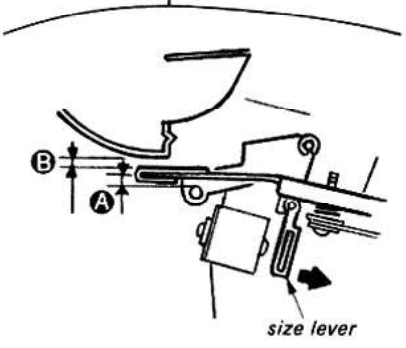


Fig. 2

adjustment screw	clearance for portion Ⓐ
↻	narrow
↺	widen

Stylus Height Adjustment

Note: Perform both adjustments for manual and automatic operations.

1. Automatic

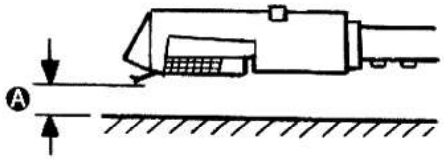
1-1. Put a test record on the mat.
Depress the lifter lever to make a lifter-down mode (▽).

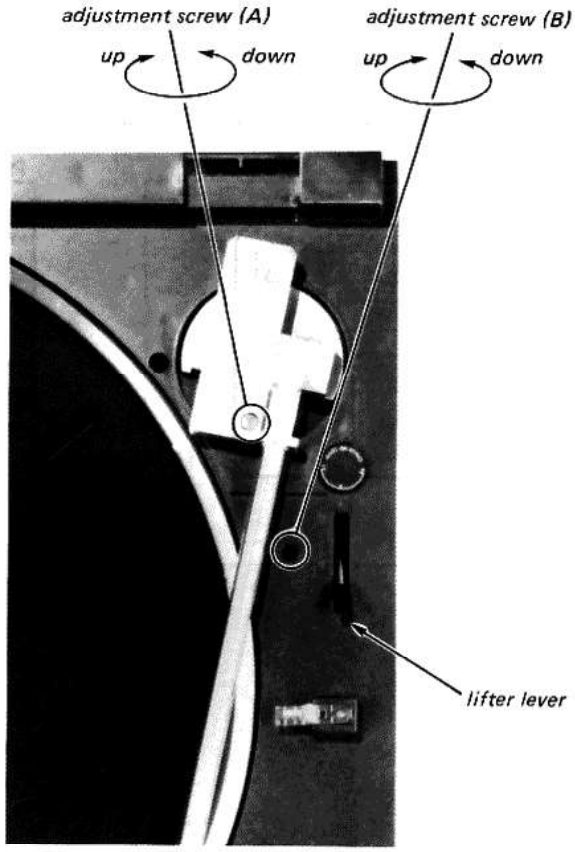
1-2. Move the arm on out-of-groove of a record by hand.

1-3. Adjust the adjustment screw (A) so that the stylus height Ⓐ from face of a record becomes in 6mm to 8mm (1/4" to 9/32").

1-4. Move the arm on inner-groove of a record by hand and confirm that the stylus height Ⓐ from face of a record becomes in 6mm to 8mm (1/4" to 9/32").

1-5. Return the arm to the armrest.





2. Manual

2-1. Put a test record on the mat.

2-2. Move the arm on inner most-groove of a record by hand.
Rotate the turntable by hand and descend the arm.

2-3. Depress the lifter lever to make a lifter-up mode (▽).

2-4. Move the arm on out-of-groove of a record by hand.

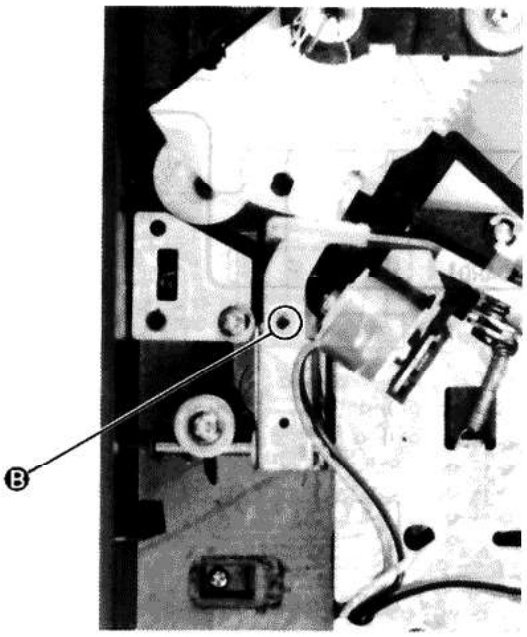
2-5. Adjust the adjustment screw (B) so that the stylus height Ⓐ from face of a reocrd becomes in 5mm to 6mm (7/32" to 1/4").

2-6. Move the arm on inner-groove of a record by hand.
Confirm that the stylus height Ⓐ from face of a record becomes in 5mm to 6mm (7/32" to 1/4").

2-7. Moveover approach the arm to center of a record by hand.
Rotate the turntable by hand and return the arm.

2-8. Secure the portion Ⓑ with locking compound..

Note: The difference of stylus height between Automatic and Manual operations is within 2mm (3/32"), but stylus height of Manual operation is not heighter than that of Automatic operation.

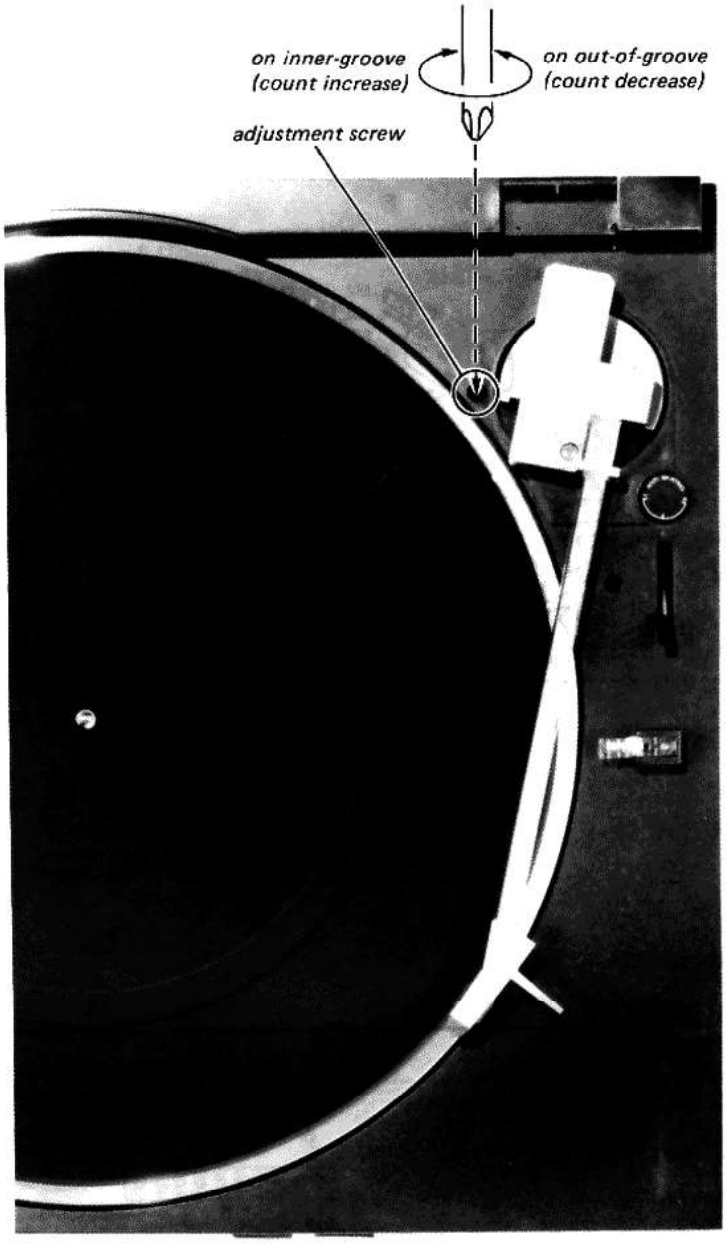


Stylus Drop-point Adjustment

Note: Stylus force adjustment should be completed.

1. Put a test record YFSC-16 on the mat.
2. Set the SPEED switch to 33.
3. Press the START/STOP button.
4. By using a screwdriver, turn the adjustment screw so that the stylus tip drops on the record at the 4–16 counts position.
5. Move the arm to return detecting groove and confirm that the aut-return operation is started within 3–12 counts on the test record.

Note: The proper adjustment for a 30cm record is also correct for a 17cm record.

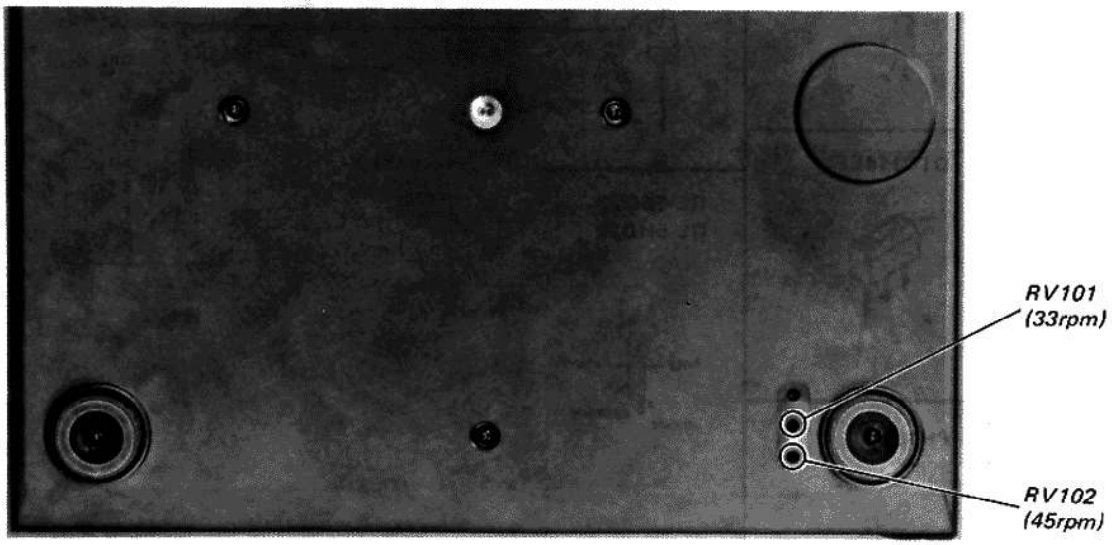


3-2. ELECTRICAL ADJUSTMENT

Speed Adjustment

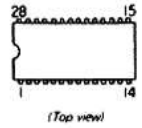
Note: Be sure to perform 45rpm adjustment before 33rpm.

1. Put a stroboscope board on the mat.
2. Set the SPEED switch to 45.
   Press the START/STOP button.
   Adjust RV102 so that the stripped pattern of stroboscope board is stationary.
3. Set the SPEED switch to 33.
   Adjust RV101 in the same way.

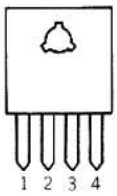


- **Semiconductor Lead Layouts**

LM6416E-557

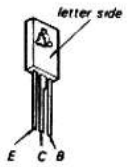


μPC1470H

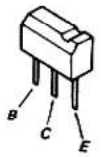


2SA1015
2SD1388

2SD414-R

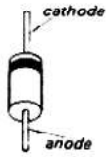


DTC114EF

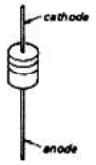


PH101

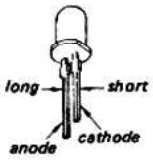
10E-2
RD6.8E-L1



1SS119
1SS202-1

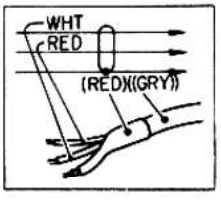


GL-5EG22
GL-5HD22



Note:

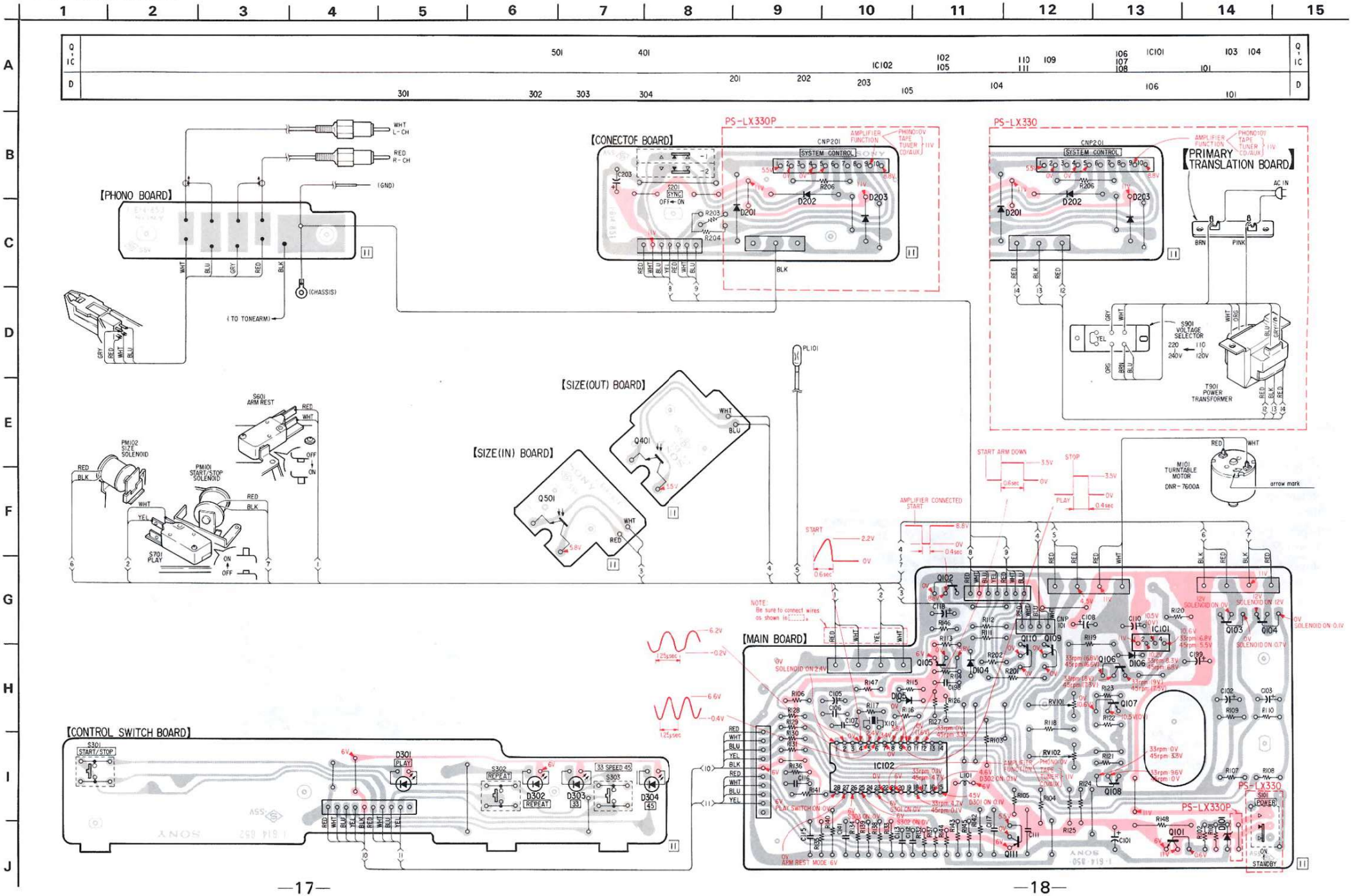
- Color code of sleeving over the end of the jacket.

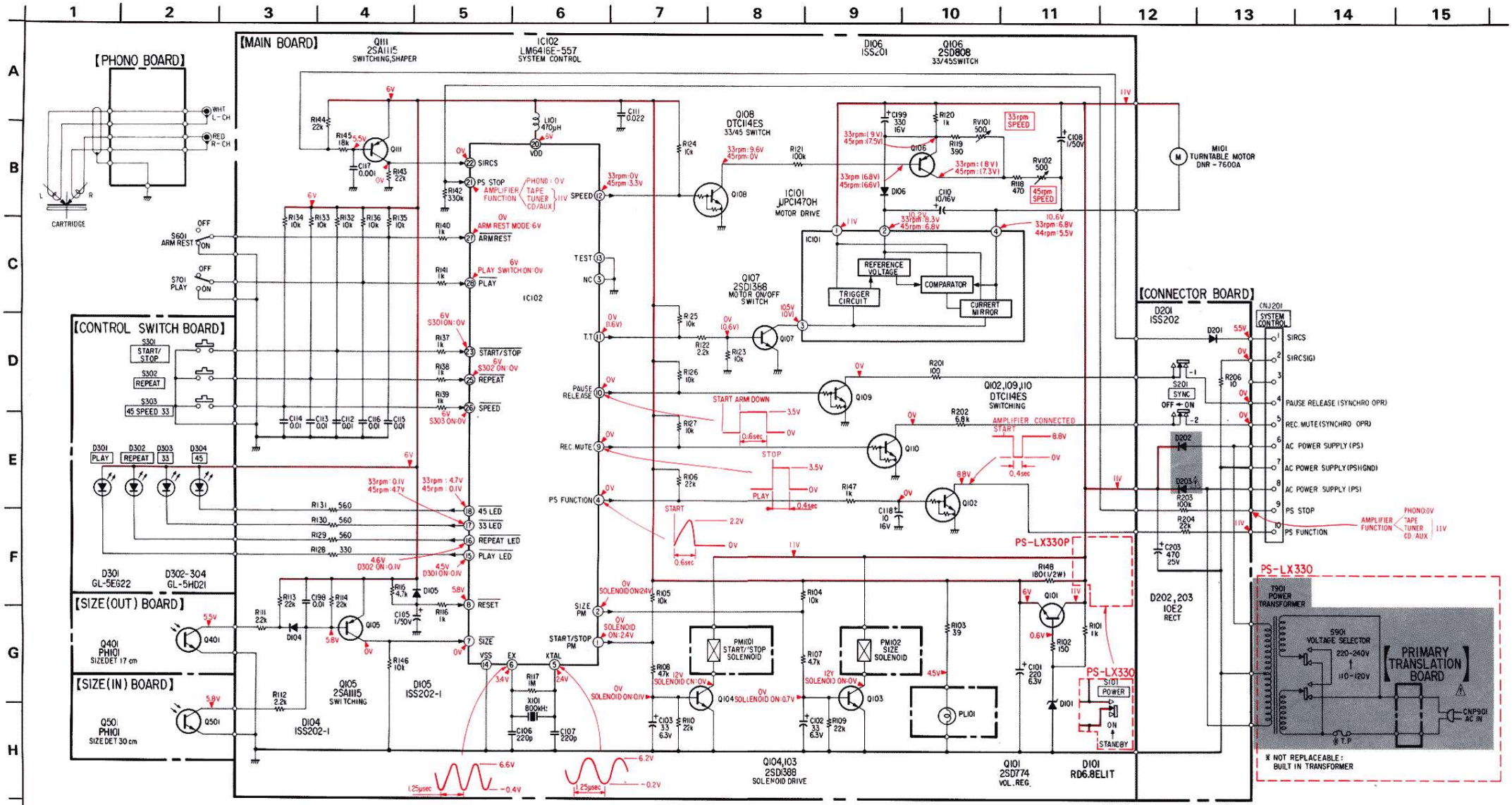


- ○— : parts extracted from the component side.
- ●— : parts extracted from the conductor side.
- ▒ : B + pattern

SECTION 4
DIAGRAMS

4-1. MOUNTING DIAGRAM





Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- ▬▬ : B+ bus.
- ▭ : adjustment for repair.

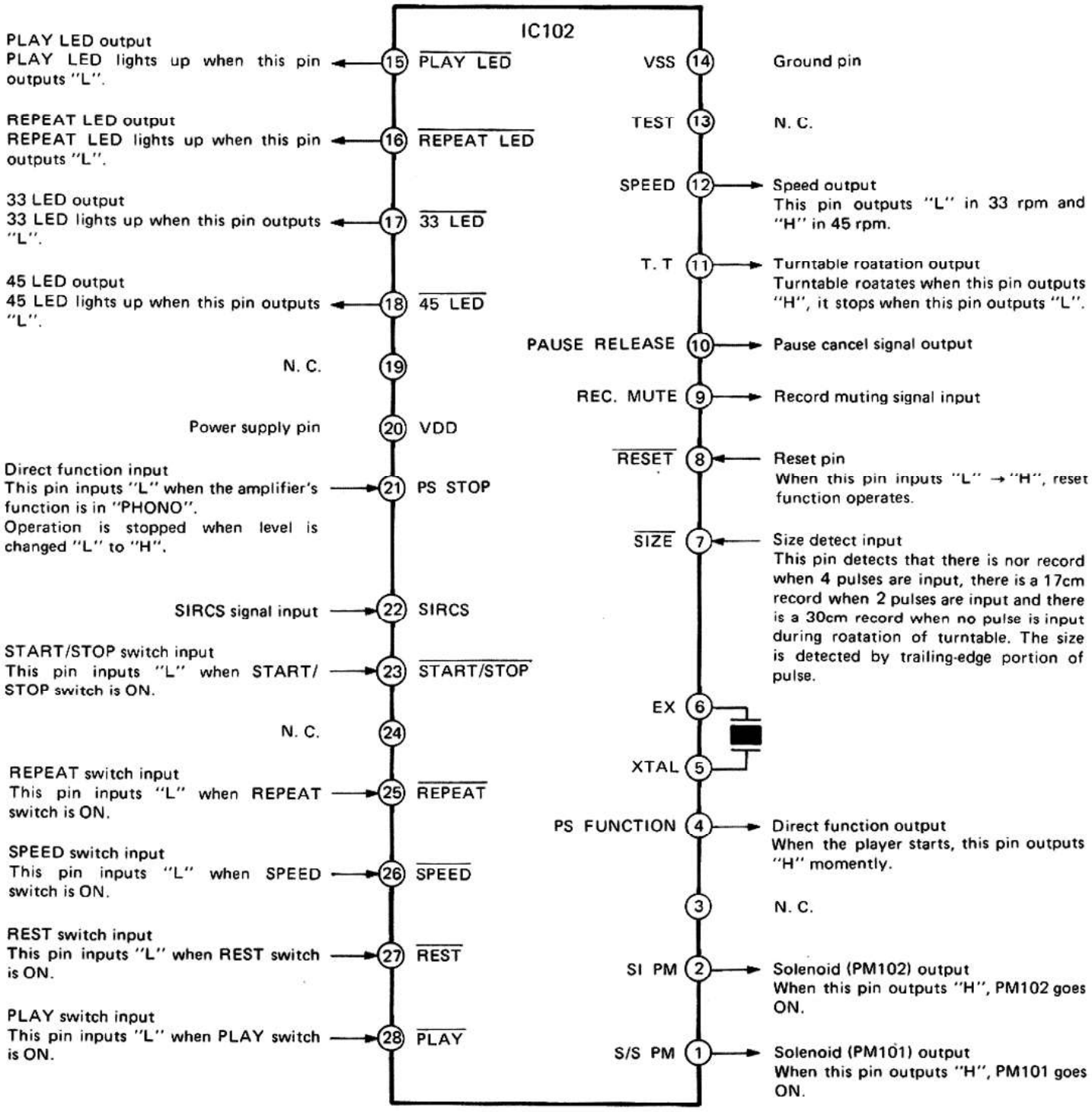
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal conditions with a VOM (50kΩ/V).
  no mark : STOP
  ( ) : PLAY
- Voltage variations may be noted due to normal production tolerances.

Ref. No.	Switch	Position
S101	POWER	OFF
S201	SYNC	ON
S301	START/STOP	OFF
S302	REPEAT	OFF
S303	SPEED	OFF
S601	ARM REST	ON
S701	PLAY	OFF
S901	VOLTAGE SELECTOR	110–120V

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

[IC102 (LM6414E-557) PIN FUNCTIONS]

IC102 (LM6414E-557) is an N-MOS 4 bit microcomputer for control integrating ROM, RAM, ALU, I/O port, timer, clock generator and etc., into 1-chip.

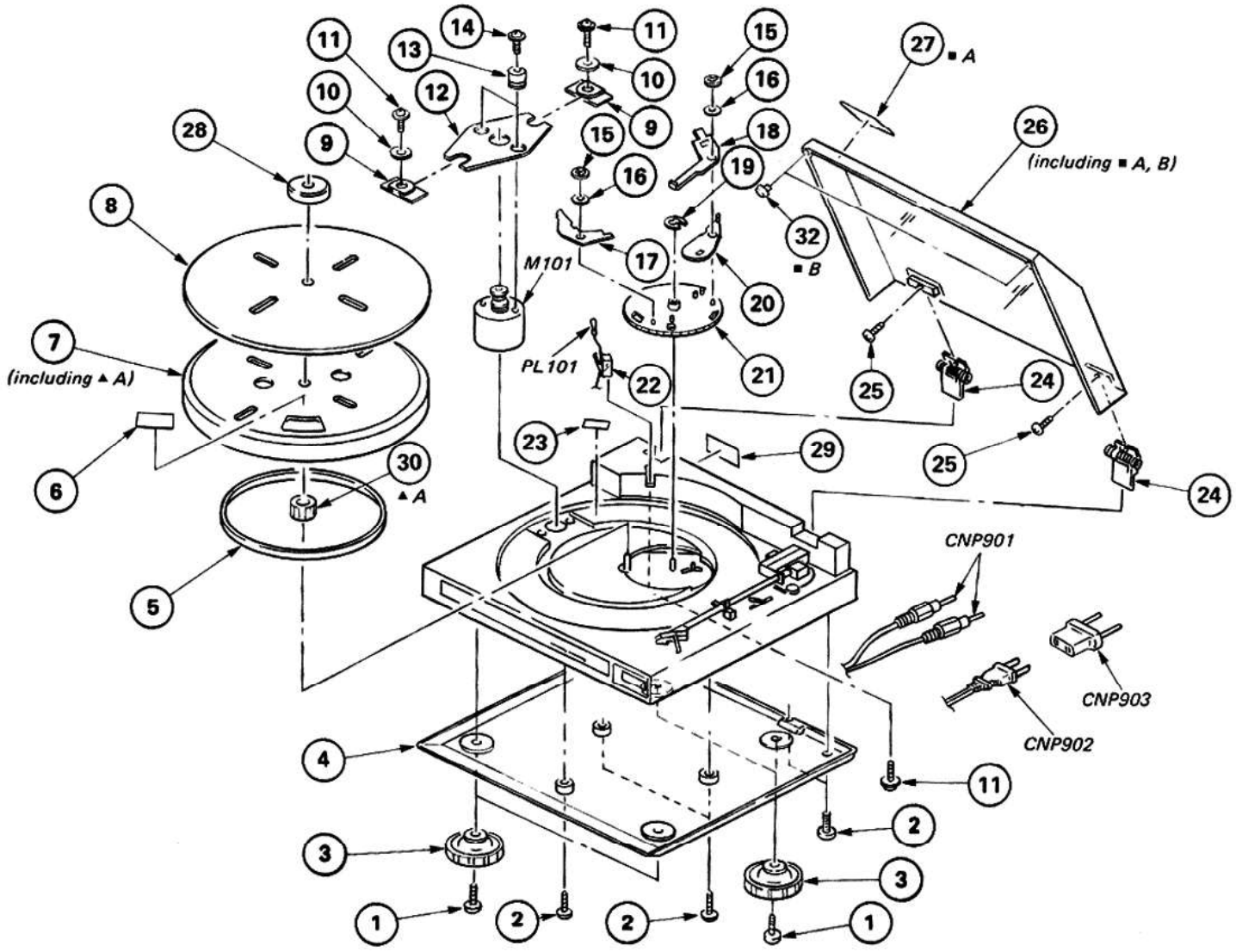


SECTION 5
EXPLODED VIEWS

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked " ★ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The construction parts of an assembled part are indicated with a collation number on the remark column.

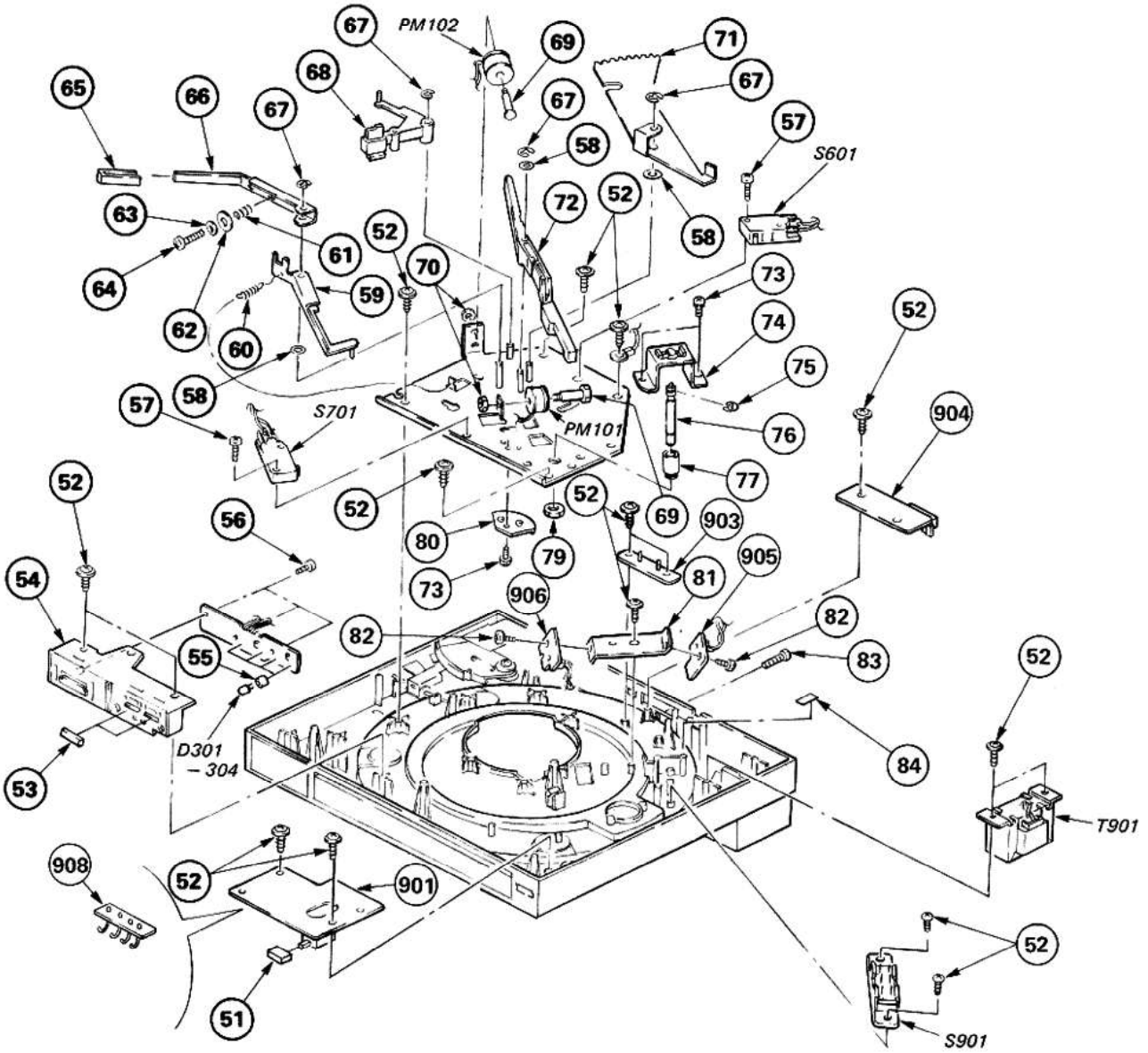
(1)



No.	Part No.	Description	REMARKS
1	7-685-651-19	SCREW +BVTP 3X20 TYPE2 N-S	
2	7-685-648-19	SCREW +BVTP 3X12 TYPE2 N-S	
3	X-4887-908-0	INSULATOR ASSY	
4	4-909-003-11	(PS-LX330P)...PLATE, BOTTOM	
	4-909-003-01	(PS-LX330)....PLATE, BOTTOM	
5	4-850-664-00	BELT	
6	*4-909-004-01	LABEL, CAUTION, GEAR	
7	X-4909-004-1	TURNTABLE ASSY	
8	4-909-059-11	(PS-LX330P)...SHEET, TURNTABLE	
	4-909-059-02	(PS-LX330)....SHEET, TURNTABLE	
9	4-908-120-01	RUBBER, FLOATING	
10	*4-301-647-00	WASHER, SPECIAL	
11	3-703-137-00	SCREW, TAPPING	
12	*4-908-106-01	BRACKET (B), MOTOR	
13	4-909-061-01	CUSHION, MOTOR	
14	4-909-062-01	SCREW, MOTOR	
15	7-624-190-81	STOP RING 2, TYPE-CS	
16	7-623-105-15	W 2, MIDDLE	

No.	Part No.	Description	REMARKS
17	4-874-279-00	CLUTCH (L)	
18	4-874-254-00	CLUTCH (S)	
19	7-624-106-04	STOP RING 3.0, TYPE -E	
20	4-874-232-00	CLUTCH (R)	
21	4-880-524-00	GEAR (S), DRIVE	
22	4-908-110-01	COVER, LAMP	
23	*4-881-683-00	(PS-LX330)...LABEL, VOLTAGE	
24	4-885-731-11	HINGE	
25	7-682-546-04	SCREW +B 3X5	
26	X-4887-907-0	COVER ASSY, DUST	
27	3-703-705-01	STICKER, SONY SYMBOL (30)	
28	3-701-806-00	(PS-LX330)....ADAPTOR, 45, (E)	
29	*4-909-001-01	(PS-LX330P)...LABEL, MODEL NUMBER	
	*4-909-066-01	(PS-LX330)....LABEL, MODEL NUMBER	
30	4-868-052-00	GEAR, CENTER	
31	.....		
32	4-885-183-00	CUSHION (D)	

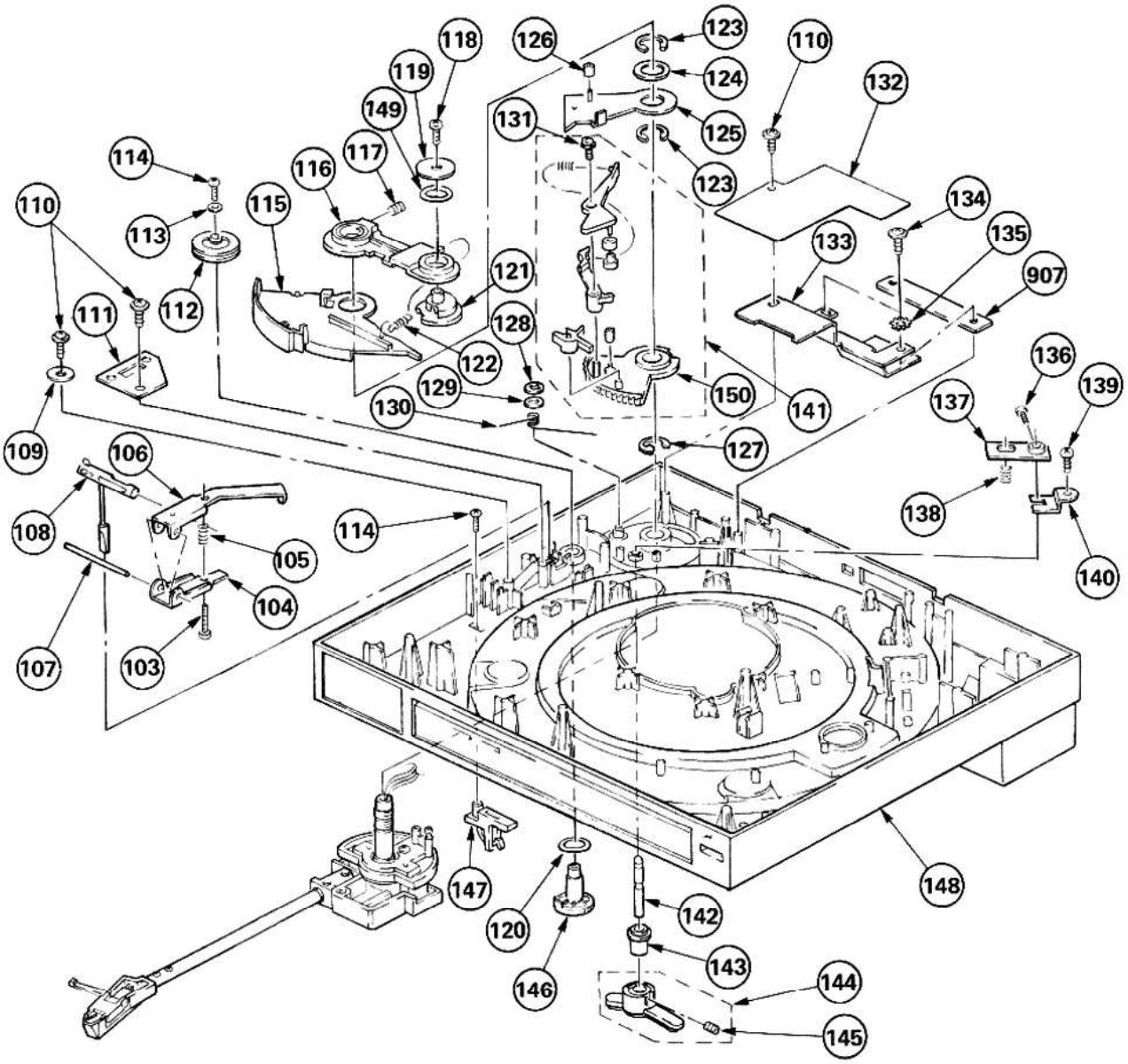
(2)



No.	Part No.	Description	REMARKS
51	4-907-928-01	(PS-LX330)...BUTTON, POWER	
52	3-703-137-00	SCREW, TAPPING	
53	4-908-111-11	BUTTON (B), CONTROL	
54	4-909-054-01	BASE, BUTTON, CONTROL	
55	*4-901-657-00	SPACER (A). LED	
56	7-685-134-14	SCREW +P 2.6X8 TYPE2 NON-SLIT	
57	7-685-755-01	SCREW +PTT 3X14 (S)	
58	3-701-441-21	WASHER	
59	*X-4909-010-1	LEVER ASSY, RESET	
60	4-909-024-01	SPRING (RESET B), TENSION	
61	4-909-031-01	SPRING (BRAKE B), COMPRESSION	
62	*4-301-647-00	WASHER, SPECIAL	
63	4-812-554-00	WASHER	
64	*7-682-551-09	SCREW +B 3X14	
65	4-874-275-00	PAD, BRAKE	
66	*4-909-030-01	LEVER (B), BRAKE	
67	7-624-106-04	STOP RING 3.0, TYPE -E	
68	X-4909-008-1	LEVER (DP) ASSY, SIZE	
69	4-874-234-00	CORE	
70	7-622-207-05	N 2.6, TYPE 2	
71	*X-4909-007-1	LEVER ASSY, MAIN	

No.	Part No.	Description	REMARKS
72	X-4909-006-1	LEVER ASSY, CLUTCH	
73	7-682-546-04	SCREW +BVTT 3X5 (S)	
74	*4-909-021-01	BRACKET, BEARING	
75	7-624-133-34	STOP RING 8, TYPE-CE	
76	4-908-103-01	SHAFT, CENTER	
77	4-909-022-01	BEARING (B)	
78	*X-4909-015-1	CHASSIS ASSY	
79	4-879-701-00	NUT, HEXAGON	
80	*4-909-023-01	RETAINER, CLUTCH	
81	*4-909-037-01	BRACKET, SENSOR	
82	7-685-750-04	SCREW +PTT 3X5 (S)	
83	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
84	3-831-441-XX	CUSHION (B), CABINET	
901	*A-4619-256-A	(PS-LX330P)...MOUNTED PCB, SYSTEM CONTROL	
	*A-4619-259-A	(PS-LX330)....MOUNTED PCB, SYSTEM CONTROL	
902	*1-614-852-11	PC BOARD, CONTROL SWITCH	
903	*1-608-536-00	(PS-LX330)...PC BOARD, PRIMARY TRANSLATION	
904	*1-614-851-11	PC BOARD, CONNECTOR	
905	*1-614-855-11	PC BOAR, SIZE (OUT)	
906	*1-614-854-11	PC BOAR, SIZE (IN)	
908	*1-508-801-00	U TYPE BASE POST 4P	

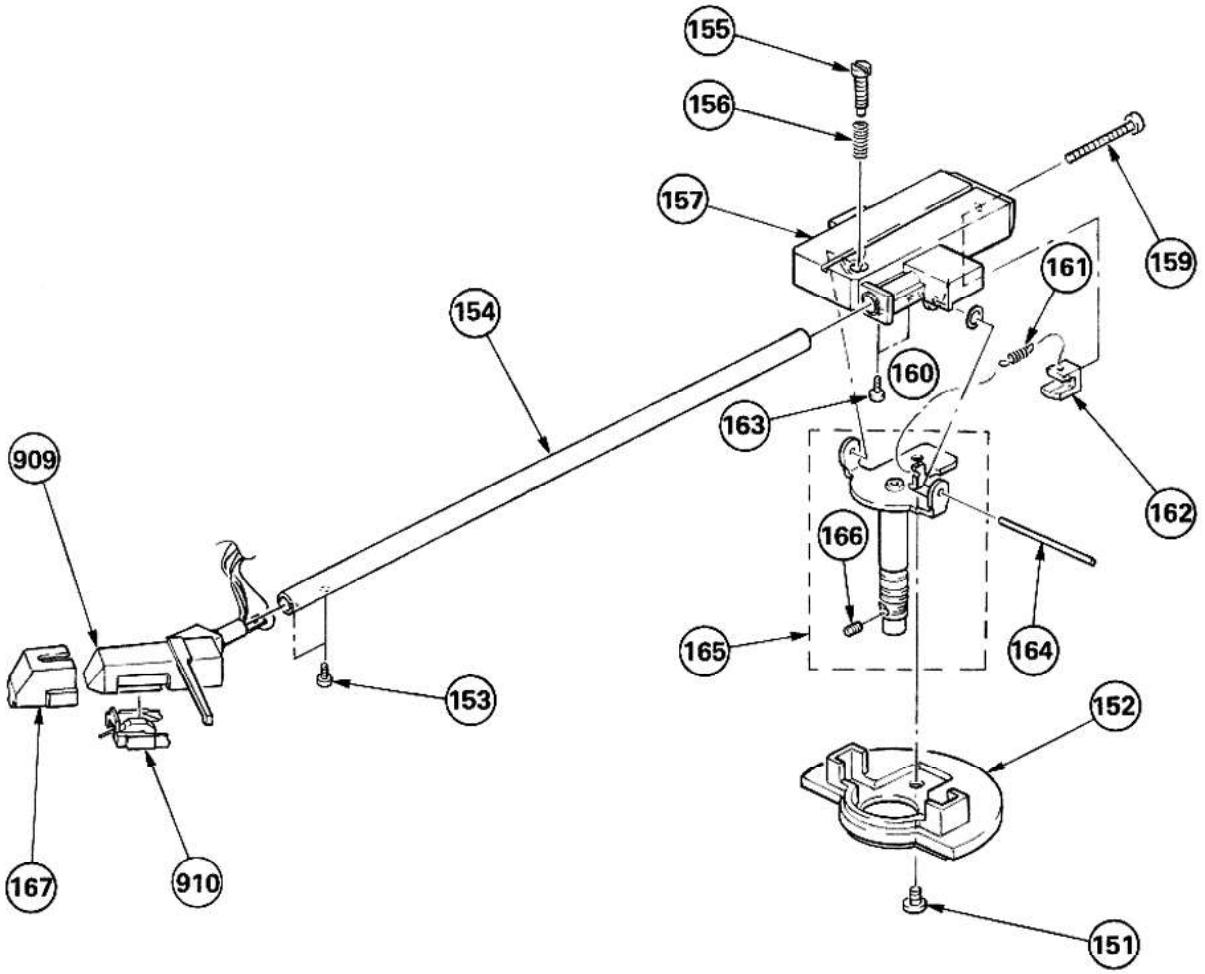
(3)



No.	Part No.	Description	REMARKS
101	.....		
102	.....		
103	7-621-775-80	SCREW +B 2.6X16	
104	*4-909-038-01	LEVER, LIFTER	
105	4-880-503-00	SPRING, COMPRESSION	
106	*4-880-501-00	LEVER (A), LIFTER	
107	*4-881-611-00	SHAFT, LEVER, LIFTER	
108	4-909-012-01	CAM, LIFTER	
109	*4-301-647-00	WASHER, SPECIAL	
110	3-703-137-00	SCREW, TAPPING	
111	*4-909-009-01	RETAINER, CAM	
112	*4-887-903-00	CAM, IFC	
113	7-688-002-11	W 2.6, MIDDLE	
114	7-685-134-14	SCREW +P 2.6X8 TYPE2 NON-SLIT	
115	4-909-045-01	LEVER (C), ARM	
116	4-909-056-01	LEVER (D), ARM	
117	3-701-507-00	SET SCREW, DOUBLE POINT, (M3X5)	
118	7-685-144-21	SCREW +P 3X5 TYPE2 NON-SLIT	
119	0-056-028-00	WASHER, PLAIN, 14 DIA.	
120	4-844-041-00	WASHER, (N)	
121	4-909-046-01	CAM, ECCENTRIC	
122	3-548-124-00	SPRING, TENSION	
123	7-624-133-44	STOP RING 9, TYPE-CE	
124	4-876-324-21	POLY-SLIDER (DIA. 9.5)	
125	*X-4909-003-1	LEVER (E) ASSY, INDEX	
126	*4-874-259-00	RUBBER, SHOCK ABSORBING	

No.	Part No.	Description	REMARKS
127	7-624-133-54	STOP RING 10, TYPE-CE	
128	7-624-190-31	STOP RING 4, TYPE-CS	
129	7-688-004-11	W 4, MIDDLE	
130	4-909-067-01	SPRING, IFC	
131	7-687-202-21	TOTSU PTPWH 2X4, TYPE 2, SLIT	
132	*4-909-006-01	PLATE (B), SHIELD	
133	*4-909-007-01	PLATE (A), SHIELD	
134	3-703-136-00	SCREW, TAPPING	
135	7-623-422-07	LW 3, TYPE B	
136	7-621-255-25	SCREW +P 2X4	
137	*X-4909-011-1	GUIDE ASSY, LIFTER	
138	4-909-083-01	SPRING (LIFTER), COMPRESSION	
139	3-703-135-00	SCREW, TAPPING	
140	*4-909-008-01	RETAINER (P)	
141	X-4909-012-1	LEVER (D) ASSY, INDEX	
142	4-909-034-01	ROD (A), PUSH	
143	4-909-033-01	CASE (A), ROD, PUSH	
144	X-4909-002-1	PLATE ASSY, UP AND DOWN	
145	7-621-738-08	SET-SCT, HEX. 2.6X4, FLAT POINT	
146	4-909-010-01	KNOB, IFC	
147	X-4879-707-0	REST SUB ASSY, ARM	
148	X-4909-013-1	(PS-LX330P;BLACK)...FRAME ASSY	
	X-4090-020-1	(PS-LX330P;SILVER)...FRAME ASSY	
	X-4909-018-1	(PS-LX330)....FRAME ASSY	
149	4-844-041-11	WASHER, (N)	
150	4-909-055-01	LEVER (D), INDEX	
907	*1-614-853-11	PC BOARD, PHONO	

(4)



No.	Part No.	Description	REMARKS
151	7-682-546-04	SCREW +B 3X5	
152	4-909-051-01	BASE, ARM	
153	7-685-773-04	SCREW +PTT 1.7X3	
154	4-909-052-01	PIPE, ARM	
155	4-909-086-01	SHAFT, ADJUSTMENT, HIGH	
156	4-887-918-00	SPRING, COMPRESSION	
157	X-4909-005-1	JOINT ASSY, PIPE	
159	7-682-552-04	SCREW +B 3X16	
160	3-701-437-01	WASHER	

No.	Part No.	Description	REMARKS
161	4-909-015-01	SPRING, TENSION	
162	*4-909-016-01	HOOK, SPRING	
163	7-685-104-14	SCREW +P 2X6 TYPE2 SLIT	
164	*4-909-014-01	PIN, HORIZONTAL	
165	X-4909-014-1	BRACKET ASSY, ROTARY	
166	7-621-712-17	SET-SCREW, SLOT 2.6X2 CUP POINT	
167	4-887-959-01	PROTECTOR	
909	1-549-116-00	CARTRIDGE (VL-43GS)	
910	1-549-114-00	STYLUS (ND-143G)	

SECTION 6
ELECTRICAL PARTS LIST

NOTE:
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuitsin a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF:μF, PF:μμF.

RESISTORS
- All resistors are in ohms.
- F : nonflammable

COILS
- MMH : mH, UH : μH

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

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

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			
901	*A-4619-256-A	(PS-LX330P)..MOUNTED PCB, SYSTEM CONTROL			
	*A-4619-259-A	(PS-LX330)...MOUNTED PCB, SYSTEM CONTROL			
902	*1-614-852-11	PC BOARD, CONTROL SWITCH			
903	*1-608-536-00	(PS-LX330)...PC BOARD, PRIMARY TRANSLATION			
904	*1-614-851-11	PC BOARD, CONNECTOR			
905	*1-614-855-11	PC BOARD, SIZE (OUT)			
906	*1-614-854-11	PC BOARD, SIZE (IN)			
907	*1-614-853-11	PC BOARD, PHONO			
908	*1-508-801-00	U TYPE BASE POST 4P			
909	1-549-116-00	CARTRIDGE (VL-43GS)			
910	1-549-114-00	STYLUS (ND-143G)			
C101	1-123-308-00	ELECT	220MF	20%	6.3V
C102	1-123-318-00	ELECT	33MF	20%	6.3V
C103	1-123-318-00	ELECT	33MF	20%	6.3V
C105	1-123-611-00	ELECT	1MF	20%	50V
C106	1-162-286-31	CERAMIC	220PF	10%	50V
C107	1-162-286-31	CERAMIC	220PF	10%	50V
C108	1-123-611-00	ELECT	1MF	20%	50V
C110	1-123-617-00	ELECT	10MF	20%	16V
C111	1-161-494-00	CERAMIC	0.022MF	30%	25V
C112	1-162-306-31	CERAMIC	0.01MF	30%	16V
C113	1-162-306-31	CERAMIC	0.01MF	30%	16V
C114	1-162-306-31	CERAMIC	0.01MF	30%	16V
C115	1-162-306-31	CERAMIC	0.01MF	30%	16V
C116	1-162-306-31	CERAMIC	0.01MF	30%	16V
C117	1-162-294-31	CERAMIC	0.001MF	10%	50V
C118	1-123-617-00	ELECT	10MF	20%	16V
C198	1-162-306-31	CERAMIC	0.01MF	30%	16V
C199	1-123-322-00	ELECT	330MF	20%	16V
C203	1-123-337-00	ELECT	1000MF	20%	25V
CNJ101	*1-564-706-11	PIN, CONNECTOR (SMALL TYPE) 4P			
CNJ201	1-562-479-11	SOCKET, CONNECTOR 10P			
CNP901	1-551-294-00	CORD			
⚠CNP902	1-551-472-00	(PS-LX330)...CORD, POWER			
⚠CNP903	1-526-565-00	(PS-LX330)...AC PLUG ADAPTOR			
D101	8-719-101-63	DIODE RD6.8EL1			
D104	8-719-911-19	DIODE 1SS119			
D105	8-719-911-19	DIODE 1SS119			
D106	8-719-911-19	DIODE 1SS119			
D201	8-719-107-94	DIODE 1SS202-1			
D202	⚠.8-719-200-02	DIODE 10E-2			
D203	⚠.8-719-200-02	DIODE 10E-2			
D301	8-719-907-36	DIODE GL-5EG22			
D302	8-719-906-58	DIODE GL-5HD21			
D303	8-719-906-58	DIODE GL-5HD21			
D304	8-719-906-58	DIODE GL-5HD21			

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
IC101	8-759-103-35	IC UPC1470H			
IC102	8-759-801-85	IC LM6416E-557			
L101	1-407-177-XX	MICRO INDUCTOR 470UH			
M101	8-835-126-01	MOTOR, DC (DNR-7600A)			
PL101	1-518-169-XX	LAMP, PILOT			
PM101	1-454-394-11	SOLENOID, PLUNGER			
PM102	1-454-394-11	SOLENOID, PLUNGER			
Q101	8-729-141-42	TRANSISTOR 2SD414-R			
Q102	8-729-900-45	TRANSISTOR DTC114EF			
Q103	8-729-802-34	TRANSISTOR 2SD1388			
Q104	8-729-802-34	TRANSISTOR 2SD1388			
Q105	8-729-201-52	TRANSISTOR 2SA1015			
Q106	8-729-201-52	TRANSISTOR 2SA1015			
Q107	8-729-802-34	TRANSISTOR 2SD1388			
Q108	8-729-900-45	TRANSISTOR DTC114EF			
Q109	8-729-900-45	TRANSISTOR DTC114EF			
Q110	8-729-900-45	TRANSISTOR DTC114EF			
Q111	8-729-201-52	TRANSISTOR 2SA1015			
Q401	8-729-101-01	TRANSISTOR PH101			
Q501	8-729-101-01	TRANSISTOR PH101			
R101	1-247-831-00	CARBON	1K	5%	1/6W
R102	1-247-811-00	CARBON	150	5%	1/6W
R103	1-247-097-00	CARBON	39	5%	1/4W
R104	1-247-855-00	CARBON	10K	5%	1/6W
R105	1-247-855-00	CARBON	10K	5%	1/6W
R106	1-247-863-00	CARBON	22K	5%	1/6W
R107	1-247-847-00	CARBON	4.7K	5%	1/6W
R108	1-247-847-00	CARBON	4.7K	5%	1/6W
R109	1-247-863-00	CARBON	22K	5%	1/6W
R110	1-247-863-00	CARBON	22K	5%	1/6W
R111	1-247-839-00	CARBON	2.2K	5%	1/6W
R112	1-247-839-00	CARBON	2.2K	5%	1/6W
R113	1-247-863-00	CARBON	22K	5%	1/6W
R114	1-247-863-00	CARBON	22K	5%	1/6W
R115	1-247-847-00	CARBON	4.7K	5%	1/6W
R116	1-247-831-00	CARBON	1K	5%	1/6W
R117	1-247-903-00	CARBON	1M	5%	1/6W
R118	1-214-721-00	METAL	470	1%	1/4W
R119	1-214-719-00	METAL	390	1%	1/4W
R120	1-247-831-00	CARBON	1K	5%	1/6W
R121	1-247-879-00	CARBON	100K	5%	1/6W
R122	1-247-839-00	CARBON	2.2K	5%	1/6W
R123	1-247-855-00	CARBON	10K	5%	1/6W
R124	1-247-855-00	CARBON	10K	5%	1/6W

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R125	1-247-855-00	CARBON	10K	5%	1/6W
R126	1-247-855-00	CARBON	10K	5%	1/6W
R127	1-247-855-00	CARBON	10K	5%	1/6W
R128	1-247-819-00	CARBON	330	5%	1/6W
R129	1-247-825-00	CARBON	560	5%	1/6W
R130	1-247-825-00	CARBON	560	5%	1/6W
R131	1-247-825-00	CARBON	560	5%	1/6W
R132	1-247-855-00	CARBON	10K	5%	1/6W
R133	1-247-855-00	CARBON	10K	5%	1/6W
R134	1-247-855-00	CARBON	10K	5%	1/6W
R135	1-247-855-00	CARBON	10K	5%	1/6W
R136	1-247-855-00	CARBON	10K	5%	1/6W
R137	1-247-831-00	CARBON	1K	5%	1/6W
R138	1-247-831-00	CARBON	1K	5%	1/6W
R139	1-247-831-00	CARBON	1K	5%	1/6W
R140	1-247-831-00	CARBON	1K	5%	1/6W
R141	1-247-831-00	CARBON	1K	5%	1/6W
R142	1-247-891-00	CARBON	330K	5%	1/6W
R143	1-247-863-00	CARBON	22K	5%	1/6W
R144	1-247-863-00	CARBON	22K	5%	1/6W
R145	1-247-861-00	CARBON	18K	5%	1/6W
R146	1-247-855-00	CARBON	10K	5%	1/6W
R147	1-247-831-00	CARBON	1K	5%	1/6W
R148	1-247-222-00	CARBON	180	5%	1/2W
R201	1-247-807-00	CARBON	100	5%	1/6W
R202	1-247-851-00	CARBON	6.8K	5%	1/6W
R203	1-247-863-00	CARBON	22K	5%	1/6W
R204	1-247-879-00	CARBON	100K	5%	1/6W
R206	1-247-783-00	CARBON	10	5%	1/6W
RV101	1-226-232-00	RES, ADJ, CARBON 500			
RV102	1-226-232-00	RES, ADJ, CARBON 500			
S101	1-553-909-00	(PS-LX330)...SWITCH, PUSH(1 KEY)(POWER)			
S201	1-570-150-11	SWITCH, SLIDE (SYNC)			
S301	1-553-856-00	SWITCH, KEY BOARD (START/STOP)			
S302	1-553-856-00	SWITCH, KEY BOARD (REPEAT)			
S303	1-553-856-00	SWITCH, KEY BOARD (45 SPEED 33)			
S601	1-570-149-11	SWITCH, MICRO			
S701	1-570-149-11	SWITCH, MICRO			
S901 ⚠	1-552-535-00	(PS-LX330)...SWITCH, POWER & VOLTAGE CHANGE			
T901 ⚠	1-447-691-00	TRANSFORMER, POWER			
X101	1-567-342-11	OSCILLATOR, CERAMIC			

ACCESSORY & PACKING MATERIAL

Part No.	Description
3-532-616-00	BAG, POLYETHYLENE
3-701-630-00	(PS-LX330)...BAG, POLYETHYLENE
3-701-634-00	BAG, POLYETHYLENE
3-701-806-00	(PS-LX330)...ADAPTOR, 45, (E)
3-760-296-11	(PS-LX330)...MANUAL, INSTRUCTION
3-794-123-11	LABEL, CAUTION
4-880-334-00	CUSHION, ARM
4-887-948-00	HOLDER, TURNTABLE
4-909-059-02	SHEET, TURNTABLE
4-909-068-01	CUSHION (LEFT)
4-909-069-01	CUSHION (RIGHT)
4-909-071-01	SPACER, CLUTCH
4-909-072-01	PROTECTOR

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

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.

Sony Corporation
Audio Group

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