Service Manual

Turntable System SL-1200MK2



WARNING

This service literature is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service literature by anyone else could result in serious injury or death.

- . The model SL-1200MK2 (M) is available in U.S.A. only.
- The model SL-1200MK2 (MC) is available in Canada only.

SPECIFICATIONS

Specifications subject to change without notice. Weight and dimensions shown are approximate.

General

Power supply:

120 V, AC, 50 or 60 Hz

Power consumption:

12 W

Dimensions: (WxHxD) 45.3 x 16.2 x 36 cm (17-27/32"x6-19/64"x14-11/64")

Weight:

11 kg (24.3 lb)

Turntable section

Type:

Quartz direct drive Manual turntable

Drive method:

Direct drive

Motor:

Brushless DC motor

Turntable platter:

Turntable speeds:

Aluminum diecast

Diameter 33.2 cm (13-5/64")

Weight 2 kg (4.4 lb.) 33-1/3 rpm and 45 rpm

Pitch control: Starting torque: All quartz-locked ±8% range 1.5 kg-cm (1.3 lb-in)

Build-up

characteristics:

0.7 s. from standstill to 33-1/3 rpm Electronic brake

Braking system: Speed change due to

load torque:

Wow and flutter:

0% within 1.0 kg-cm (0.87 lb-in) 0.01% WRMS*

0.025% WRMS (JIS C5521)

±0.035% peak (IEC 98A Weighted)

* This rating refers to turntable assembly alone, excluding effects of record, cartridge or tonarm, but including platter. Measured by obtaining signal from built-in frequency generator of motor assembly.

Rumble:

-56 dB (IEC 98A Unweighted)

-78 dB (IEC 98A Weighted)

Tonearm section

Type:

Universal

Effective length:

230mm (9-1/16")

Arm height adjustment 31.8-37.8 mm (helicoid part 6 mm)

range:

(1-21/32"-3-35/64") (helicoid part 15/64")

Overhang:

15 mm (19/32")

Effective mass:

12 g (without cartridge)

Offset angle:

Friction: Tracking error angle: Less than 7 mg (lateral, vertical) Within 2°32' (at the outer groove of 30 cm (12'') record Within 0°32' (at the inner groove of

30 cm (12") record

Stylus pressure

adjustment range:

0 - 2.5 g

Applicable cartridge

6 - 10g

weight range: (with auxiliary 13.5-17.5 g (including headshell)

9.5 - 13g

weight):

17-20.5 g (including headshell)

(with shell weight): 3.5 - 6.5 g

11-14 g (including headshell)

Headshell weight:

7.5q

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Technics

■ CONTENTS

DISASSEMBLY PROCEDURE	PRINTED CIRCUIT BOARD 11, 12
PARTS IDENTIFICATIONS	ADJUSTMENT (Electrical)
ARM BASE ASSEMBLING PROCEDURE 4	REFERENCE VOLTAGE AND WAVEFORM AT EACH IC
FEATURES 5	PIN
ADJUSTMENTS 6	BLOCK DIAGRAM
SCHEMATIC DIAGRAM	EXPLODED VIEWS
REPLACEMENT PARTS LIST (Electrical) 9	REPLACEMENT PARTS LIST (Mechanical)
TROUBLE SHOOTING 10	EXPLODED VIEWS

DISASSEMBLY PROCEDURE

How to remove panel cover

- 1. Remove head shell and turntable.
- 2. Secure arm with arm clamp.
- Remove 5 screws (a) of the panel cover as shown in Fig. 1.

How to remove stater frame coil and F.G detector

- 4. Remove 3 connectors (a) and 2 read wires (b) from power transformer as shown in Fig. 2.
- 5. Remove 3 screws **1** of the drive circuit board and 3 screws **2** of the stater frame cover as shown in Fig. 2.
- Disconnect 18 soldered parts of the stater coil and 4 soldered parts of the F.G detector coil as show in Fig. 3.
- Remove 3 screws of the stater frame ass'y as shown in Fig. 3.

How to remove bottom base ass'y

- 8. Remove 4 audio insulators. (Counterclockwise rotation)
- 9. Remove 17 screws and spacer
 as show in Fig. 4.
- Remove 11 screws as shown in Fig. 4.

How to remove stylus-illuminator lamp

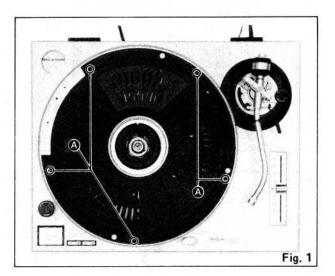
- Remove 2 screws of the stylus-illuminator lamp ass'y as shown in Fig. 5.
- 12. Remove 1 screw (as shown in Fig. 6.

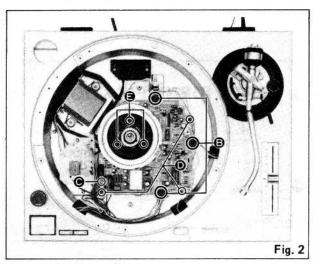
How to remove neon-illuminator L.E.D.

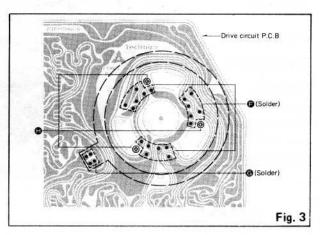
- 13. Remove 4 screws @ as shown in Fig. 5.
- 14. Remove 1 circlip **(a)** and switch cam **(b)** as shown in Fig. 5.
- 15. Remove strobo-illuminator case.

How to remove tone arm

- Remove 4 screws of the arm base cover as shown in Fig. 5.
- Remove 2 screws
 of the phono cord clamper as shown in Fig. 5.
- 18. Remove phono cord clamper as shown in Fig. 7.
- Remove 2 screws of the phono cord p.c.b. as shown in Fig. 8.
- 20. Remove 2 screws (as shown in Fig. 8.
- Remove 2 screws of the silicon oil dumper as shown in Fig. 8.
- 22. Remove 3 screws
 as shown in Fig. 8.
- Remove 2 screws S of the tone arm as shown in Fig. 9.







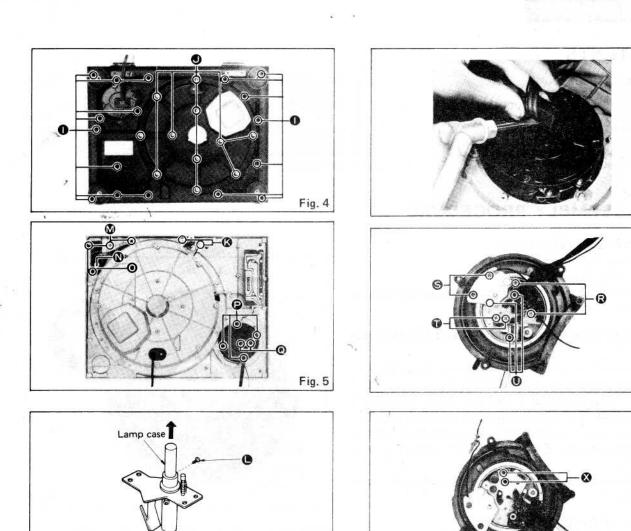
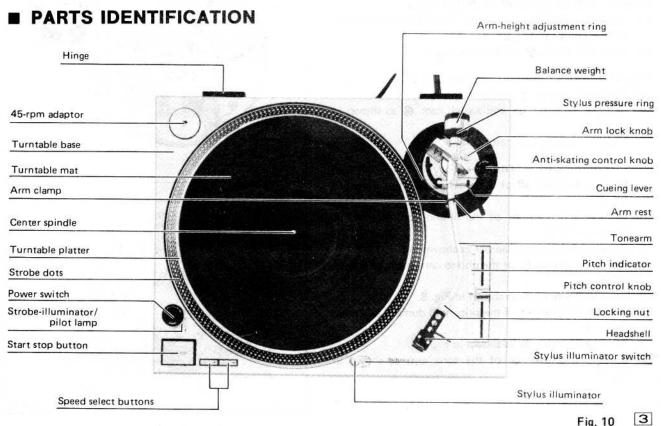


Fig. 6



ARM

1. Att con

2. Cor 1.5

Op

Fig. 7

Fig. 8

Fig. 9

3. Hol base cloc Not Tak

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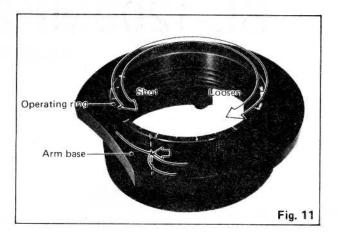
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■ ARM BASE ASSEMBLING PROCEDURE

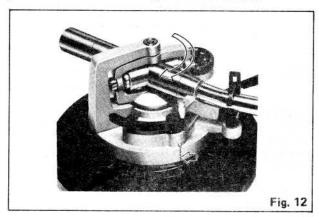
- Attach the control ring to the arm base seat. (The control ring should be roated counterclockwise.)
- 2. Completely tighten the control ring, and then loosen it 1.5~2.5 turns to set the scale to "3". (See Fig. 11)



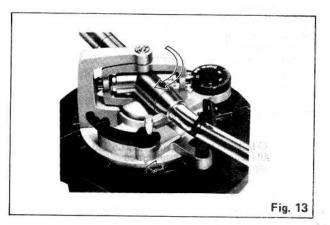
 Hold the arm base and set the red line mark on the arm base to the scale near "2", then turn the arm base clockwise. (See Fig. 12)

Note:

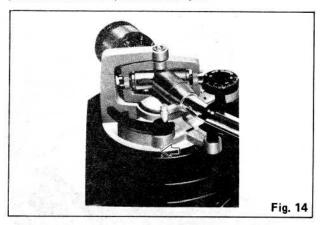
Take care not to allow deflection of the predetermined positions of the control ring and arm base seat.

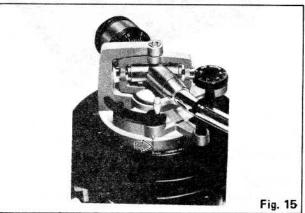


 Adjust the arm base so that the red line mark on the arm base is set to the scale "3" of the control ring. Next, secure the positioning base plate with two setscrews. (See Fig. 13)



5. Rotate the control ring and make sure that the arm base shifts within the range of 0~6mm. (See Figs. 14 and 15) If it does not shift within the specified range, the arm base position is deflected. In that case, disassemble the parts and check as specified in step 3.

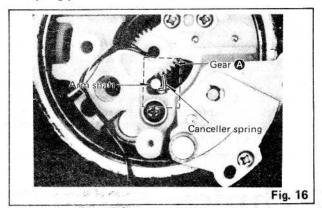




ADJUSTMENT OF CANCELLER SPRING POSITION

If the arm body or PU base plate is replaced, be sure to set the canceller knob to "0.5" and make sure that the canceller spring is in contact with the arm shaft. (See Fig. 16) If the canceller spring is deflected, adjust it as follows:

- 1. Clamp the arm on the rest.
- 2. Set the canceller knob to "0.5".
- 3. Remove the PU base plate, adjust gear @ so that the canceller spring is in the position of Fig. 16.
- Mount the PU base plate onto the arm base and creek the spring position.



■ FEATURES

Total quartz locked continuous pitch adjustment ±8%

Quartz-phase-locked control means almost perfect accuracy of turntable rotation.

But with most quartz turntables, this accurate control circuit must be cut out when the pitch control is employed. With the SL-1200MK2, however, pitch is variable continuously (analogically) by up to $\pm 8\%$ under total quartz-locked control. The pitch is controlled with a large sliding lever, located to the right of the turntable platter.

Four lines of platter markings are also provided indicating +6%, +3.3%, 0% (exact rated speed) and -3.3% change from rated speed.

Aluminum diecast cabinet and special heavy rubber base material provide acoustic isolation

The effects of external vibrations are dramatically reduced in the turntable by this new turntable construction.

The turntable base is precision-made aluminum diecast. And the underside of the main base is made of a heavy rubber material (special one-piece molding) which has excellent vibration resistance and absorbing characteristics. The turntable platter is also vibration-damped with specially fabricat rubber matting in the underside along with the thick turntable sheet (rubber mat). Four large-size insulating feet also help to absorb unwanted vibrations.

These features make SL-1200MK2 ideal for use with extrahigh sound pressure levels.

High torque for fast starts

The integral rotor/platter motor delivers 1.5kg·cm (1.3lb·in) starting torque. This high torque gives very quick starts enabling the platter to reach 33-1/3 rpm within 0.7 s. (a quarter of a turn). This is a big advantage in many professional applications where fast cueing is a necessity.

Stylus illuminator for low-light conditions

You'll appreciate the stylus illuminator when you are using the turntable under low-light conditions. The illuminator can be hidden in the turntable base, should you need it, simply push a button and it will pop up gently and cast a beam of light across the disc in the area traversed by the tonearm. You can then clearly see the spaces between the selections on the record, and cue the arm exactly where you want it. The illuminator can then be pushed back down into the base

High sensitivity, low mass, gimbal suspension tonearm

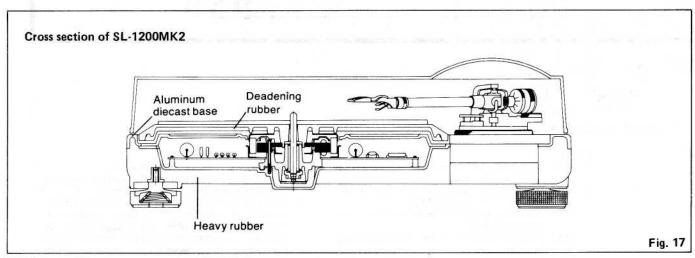
The highly sensitive tonearm features a genuine gimbal suspension, the rotational center of which is precisely defined at one point. Bearings are finished to a tolerance of ±0.5 microns. This and the extra-closeness of pivot center to the bearings, result in the minimal friction of 7 mg (0.007 g) for both horizontal and vertical movement. Add to this the low 12-gram effective tonearm mass (including headshell, without cartridge) and you have a tonearm compatible with the wide range of compliances found in today's cartridges. If you choose a popular high compliance MM cartridge, the low range resonance frequency will appear in the correct area to avoid warp frequencies of records, but without entering the low end of the audio spectrum. This tonearm is provided with a computer designed, light-weight, high-rigidity headshell made of single-piece diecast aluminum to resist partial vibration. The universal design allows headshell interchangeability. Contacts are gold-plated.

Helicoid tonearm height adjustment

Arm height is adjustable within a range of 6 mm to accommodate varying cartridge dimensions. Adjustments are done with a precision-made helicoid.

Other fine features

- Quick stops are achieved with a fully electronic braking system.
- A strobe illuminator is provided. The stroboscope is controlled by the extremely stable quartz oscillator, rather than potentially unstable AC line frequency.
- Power on/off control built-into strobe illuminator for ease-of-operation.
- Soft-touch start-stop switch allowing precision control capability without the annoyance of accidental operation.
- Technics integral rotor/platter motor construction with full cycle detection FG.



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■ ADJUSTMENTS

Pitch control (fine adjustment of speed) (See Figs. 18 and 19.)

When the pitch control knob is located at the center of the position after turning on the power, the green LED indicator is lit showing the operating condition for the predetermined speed (either 33-1/3 or $45 \, \text{rpm}$). The pitch control is variable in a range of $0\sim\pm8\%$.

Adjustment should be done on the basis of indicator scale. Figures on the indicator show approximate percentages for variable pitch control.

When the strobe dots in 4 stages marked at the peripheral edge of the turntable appear to be stationary, variation of individual pitches is shown. (See Fig. 19.)

Note:

The strobe-illumination of this unit employs a strobe-illuminator LED synchronized with the precise quartz frequency.

For fine adjustment of the turntable speed, be sure to effect the adjustment according to the LED illumination.

The LED illumination is not synchronized with fluorescent lamps.

Adjustment of arm-lift height (See Figs. 20 and 21.)

The arm-lift height (distance between the stylus tip and record surface when cueing lever is raised) has been adjusted at the factory before shipping to approximately 8-13mm.

If the clearance becomes too narrow or too wide, turn the adjustment screw clockwise or counterclockwise, while pushing the arm lift down.

Clockwise rotation

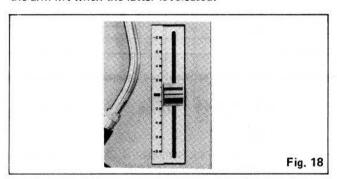
-distance between the record and stylus tip is decreased.
 Counterclockwise rotation

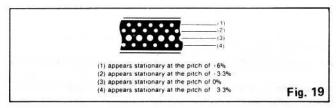
-distance between the record and stylus tip is increased.

Note:

As the adjusting screw has hexagonal head, be sure to make the adjustment while depressing the arm lift, or the screw will not move freely.

Also be sure that the hexagonal head retracts correctly into the arm lift when the latter is released.





Adjustment of the tonearm height (See Fig. 22.)

The height of the tonearm can be adjusted up to 6 mm, and a scale is provided on the adjust ring in 0.5 mm increments. Be sure to set the proper arm height using the adjust ring scale and referring to the table.

Height of cartridge (mm) (H)	Scale reading on the arm-height adjust ring
15	0
16	1
17	2
18	3
19	4
20	5
21	6

For example, if the cartridge height is 17.5 mm, the armheight adjust ring should be positioned at the intermediate location between 2 and 3 on the scale. (See Fig. 22.)

Caution

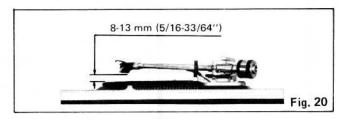
Be sure to lock the tonearm by turning the arm lock knob in the direction indicated by the arrow after finishing the height adjustment for the tonearm.

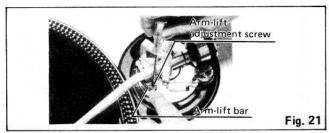
Lubrication (See Fig. 23.)

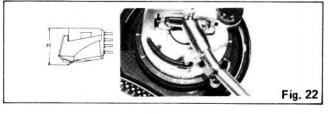
Apply 2 or 3 drops of oil once after every 2000 hours of operation.

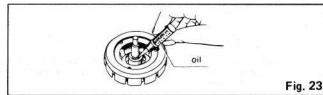
The time interval is much longer than that for conventional type motors (200-500 hours).

Please purchase original oil. (Part number is SFWO 010.)

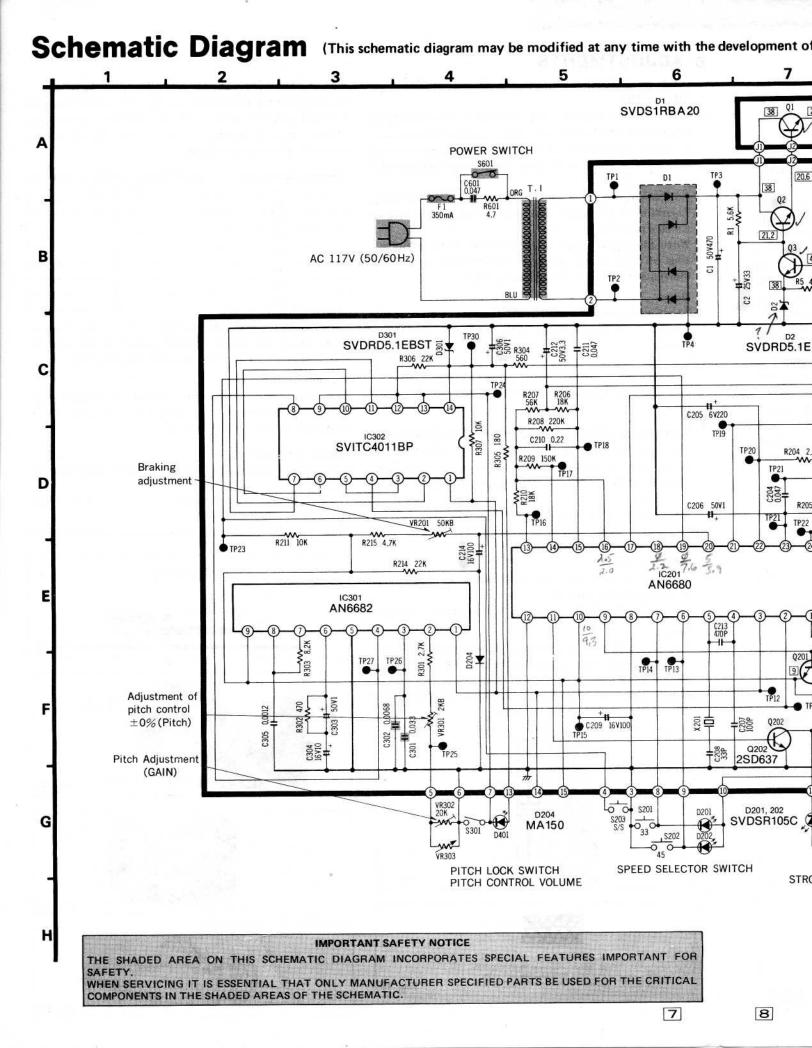


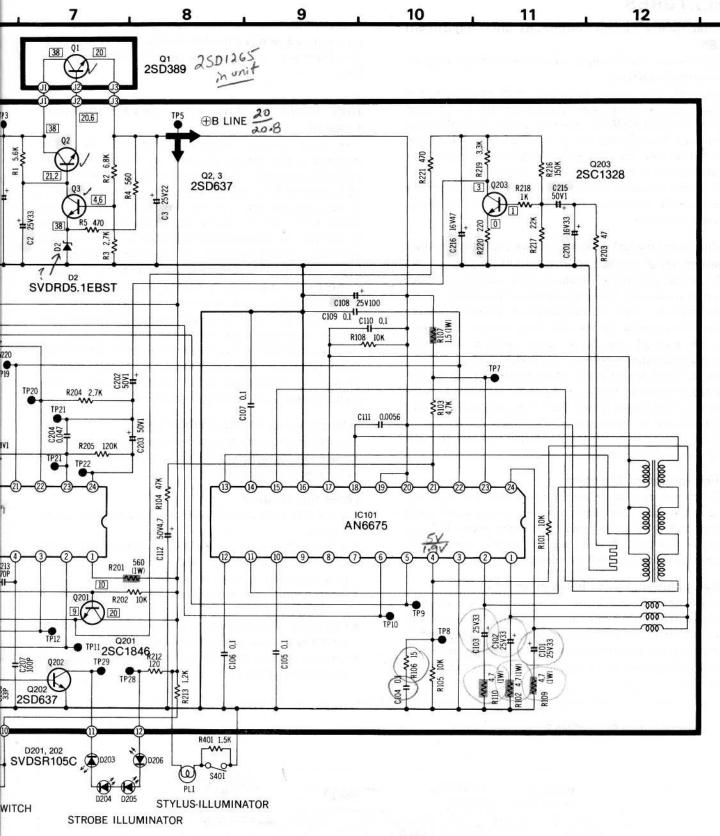






ig. 17





NOTO:

- 1. S201: Speed selector switch (33-1/3 r.p.m.) in "ON" position, (push condition)
- 2. S202: Speed selector switch (45 r.p.m.) in "OFF" position. (not-push condition)
- 3. S203: Start/Stop switch in "OFF" position. (notpush condition)
- 4. S301: Pitch lock switch in "ON" position. (center
- position) 5. S401: Stylus-illuminator switch in "OFF" position.
- 6. S601: Power switch in "ON" position.
- The drive circuit IC voltage and wave form are not indicated in side the schematic diagram.
- Indicated voltage values are the standard values for the unit measured by DC electronic circuit tester (high impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.

REPLACEMENT PARTS LIST (Electrical)

Notes: 1. Part numbers are indicated on most mechanical parts. Please use this part number for parts orders.

2. \triangle indicates that only parts specified by manufacturer be used for safety.

3. $SL-1200MK2(M) \rightarrow [M]$, $SL-1200MK2(MC) \rightarrow [MC]$

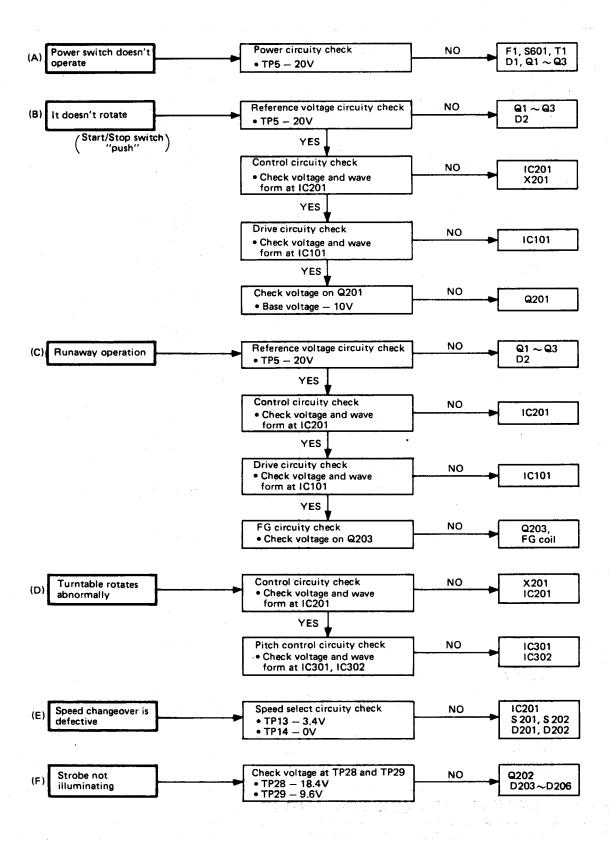
3. 3L-1	200	IVINZ(IVI) 7 [IVI]	, SL-1200MK2 (MC) → [MC]
Ref. No.		Part No.	Part Name & Description
INTEGRATED (CIRC	CUITS	
IC101		AN6675	Integrated Circuit
IC201		AN6680	Integrated Circuit
IC301		AN6682	Integrated Circuit
IC302		SVITC4011BP	Integrated Circuit
TRANSISTORS			
Ω1		2SD389A-Q	Transistor
Q2, 3, 202		2SD637	Transistor
Q201		2SC1846-R	Transistor
Q203		2SC1328-T	Transistor
DIODES			
D1	Δ	SVDS1RBA40	Rectifier
D2, 301	_	MA1051	Diode, Zener 5,1V
D204		MA162A	Diode
D201, 202		SVDSR-105C	Light Emitting Diode
D203~206		SVDEBR5505S	Light Emitting Diode
D401		SVDGL-9PG2	Light Emitting Diode
CRYSTAL			
X201		SVQU306115	Crystal, 4.19328MHz Oscillator
VARIABLE RES	SIST	ORS	
VR201		EVLS6AA00B54	Braking Adjustment (BRAKE), 50kΩ (B)
VR301		EVMH2GA00853	Adjustment of Pitch Control $\pm 0\%$ (PITCH), $5k\Omega$ (B)
VR302		EVLS6AA00B54	Pitch Adjustment (Gain) 50kΩ
VR303		EVBJ05C19ABE	Pitch Control Volume
SWITCHES		<u> </u>	•
S201		EVQP5R04K	Switch, Speed Selector (33-1/3 r.p.m.)
S202		EVQP5R04K	Switch, Speed Selector (45 r.p.m.)
S203		SFDSSS5GL13C	Switch, Start/Stop
S401		SFDSD2MSL-4	Switch, Stylus-illuminator
S601	Δ	SFDSSS5GL-2	Switch, Power
LAMP			
PL1		SFDN122-01	Lamp, Stylus-illuminator
TRANSFORME	R		
T1	Δ	SLT60EU7B	Power Transformer
FUSE			
F1	Δ	XBA2F03NU100	Fuse, 350mA
RECIETORS		L	<u> </u>
RESISTORS R1		ERD25FJ562	Carbon, $6.6k\Omega$, $1/4W$, $\pm 5\%$
R2		ERD25FJ682	Carbon, $6.8k\Omega$, $1/4W$, $\pm 5\%$
R3		ERD25FJ272	Carbon, $2.7k\Omega$, $1/4W$, $\pm 5\%$
R4		ERD25FJ561	Carbon, 560Ω , $1/4W$, $\pm 5\%$
R5		ERD25FJ471	Carbon, 470Ω , $1/4W$, $\pm 5\%$
R101		ERD25FJ103	Carbon, $10k\Omega$, $1/4W$, $\pm 5\%$
R102	Δ	ERX1ANJ4R7	Metal Film, 4.7Ω , 1W, $\pm 5\%$
R103		ERD25FJ472	Carbon, $4.7k\Omega$, $1/4W$, $\pm 5\%$
R104		ERD25TJ473	Carbon, $47k\Omega$, $1/4W$, $\pm 5\%$
R105		ERD26FJ103	Carbon, $10k\Omega$, $1/4W$, $\pm 5\%$
R106		ERD25FJ150	Carbon, 15Ω , $1/4W$, $\pm 5\%$
R107	Δ.	ERX1ANJ1R5	Metal Film, 1.5Ω , 1W, $\pm 5\%$

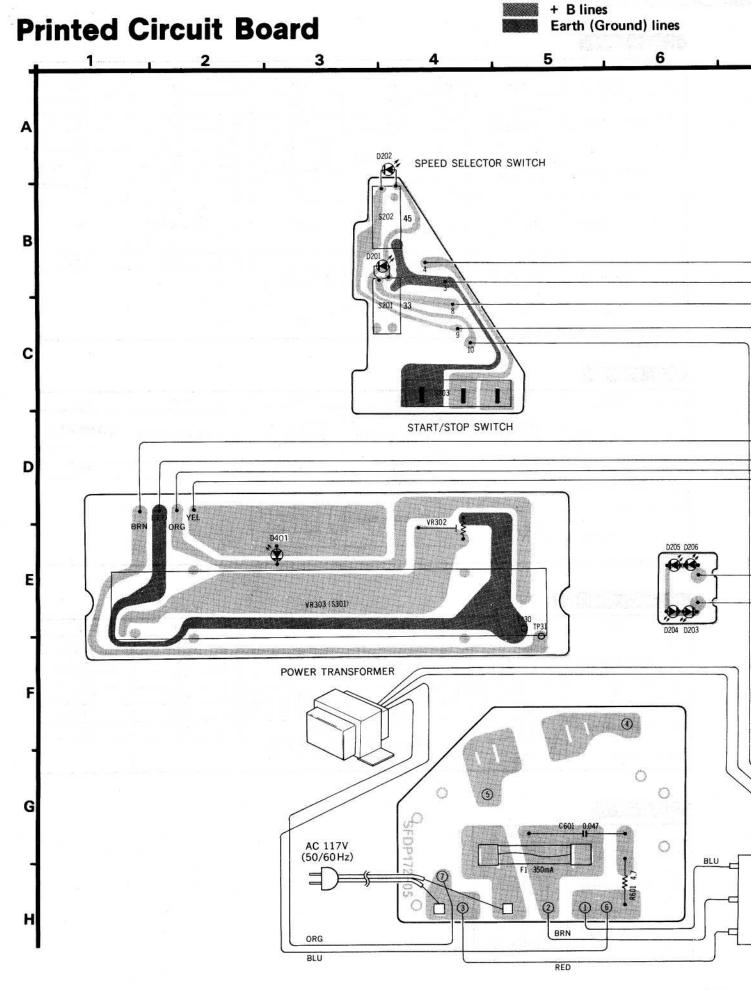
		T	T			
Ref. No.		Part No.	Part N	ame & Desc	ription	
R108		ERD25FJ103	Carbon,	10kΩ,	1/4W,	± 5%
R109, 110	Δ	ERX1ANJ4R7	Metal Film,	4.7Ω,	1W,	± 5%
R201	Δ	ERG1ANJ561	Metal Oxide,		1W,	± 5%
R202		ERD25FJ103		.10kΩ,	1/4W,	± 5%
R203	ļ	ERD25FJ470	Carbon,	47Ω,	1/4W,	± 5%
R204		ERD25FJ272	Carbon,	2.7kΩ,	1/4W,	± 5%
R205		ERD25TJ124	Carbon,	.120kΩ,	1/4W,	± 5%
R206 R207		ERD25TJ183 ERD25TJ563	Carbon, Carbon,	18kΩ, 56kΩ,	1/4W, 1/4W,	± 5% ± 5%
R208		ERD25TJ224	Carbon,	220kΩ,	1/4W,	± 5%
11200		END2513224	Carbon,	220K11,	1/400,	£ 5%
R209		ERD25TJ154	Carbon,	150k Ω ,	1/4W,	±. 5%
R210		ERD25TJ183	Carbon,	18kΩ,	1/4W,	± 5%
R211	İ	ERD25FJ103	Carbon,	10k Ω ,	1/4W,	± 5%
R212		ERD25FJ121	Carbon,	120Ω,	1/4W,	± 5%
R213		ERD25FJ122	Carbon,	1.2k Ω ,	1/4W,	± 5%
R214		ERD25TJ223	Carbon,	22kΩ,	1/4W,	± 5%
R215		ERD25FJ472	Carbon,	4.7kΩ,	1/4W,	± 5%
R216		ERD25TJ154	Carbon,	150k Ω ,	1/4W,	± 5%
R217		ERD25TJ223	Carbon,	$22k\Omega$,	1/4W,	± 5%
R218		ERD25FJ102	Carbon,	1kΩ,	1/4W,	± 5%
R219		ERD25FJ332	Carbon,	3.3 k Ω ,	1/4W,	± 5%
R220		ERD25FJ221	Carbon,	220Ω,	1/4W,	± 5%
R221		ERD25FJ471	Carbon,	470Ω ,	1/4W,	± 5%
R301		ERO25CKF3301	Metal Film,	3.3 k Ω ,	1/4W,	± 1%
R302		ERD25FJ471	Carbon,	470Ω,	1/4W,	± 5%
R303		ERD25FJ822	Carbon,	8.2kΩ,	1/4W,	± 5%
R304		ERD25FJ152	Carbon,	1.5kΩ,	1/4W,	± 5%
R306		ERD25TJ223	Carbon,	$22k\Omega$,	1/4W,	± 5%
R601		ERD25FJ4R7	Carbon,	4.7Ω,	1/4W,	± 5%
CAPACITORS						
C1		ECEB1HS471	Electrolytic,	470μF,	50V	
C2		ECEA1VS330	Electrolytic,		35V	
C3		ECEA1ES220	Electrolytic,		25V	
C101, 102		ECEA1VS330	Electrolytic,	33µF,	35V	
C103		ECEA1VS330	Electrolytic,	33 µ F,	35V	
C104, 105		ECQM1H104KZ	Polyester,	0.1μF,	50V,	±10%
C106, 107		ECQM1H104KZ	Polyester,	0.1μF,	50V,	±10%
C108		ECEA1ES101	Electrolytic,	100μF,	25V	
C109, 110		ECQM1H104KZ	Polyester,	0.1μF,	50V,	±10%
C111		ECQM1H562KZ	Polyester,	0.0056µF,	50V,	±10%
C112		ECEA1J\$4R7	Electrolytic,	4.7μF,	63V	
C201		ECEA1CS330	Electrolytic,		16V	
C202, 203		ECEA50Z1	Electrolytic,	1μF,	50V	
C204		ECQM1H473KZ	Polyester,	0.047µF,	50V,	±10%
C205		ECEA1AS221	Electrolytic,	220µF,	10V	
C206	l	ECEA50Z1	Electrolytic,		50V	
C207		ECCD1H101K	Ceramic,	100pF,	50V,	±10%
C208	l	ECCD1H390K		39pF,	50V,	±10%
C209		ECEA1ES101	Electrolytic,		16V	
C210	1	ECQM1H224KZ	Polyester,	0.22 <i>μ</i> F,	50V,	±10%
C211		ECQM1H473KZ	Polyester,	0.047μF,	50V,	±10%
C212	1	ECEA50Z3R3	Electrolytic,	3.3μF,	50V	
C213	l	ECCD1H471K	Ceramic,	470pF,	50V,	±10%
C214		ECEA1ES101	Electrolytic,	100μF	25V	
C215		ECEA50Z1	Electrolytic,	1μF,	50V	
C216		ECEA1ES470	Electrolytic,	47μF,	25V	
C301, 302	Δ	ECQK1123FZ	Polyester,		125V,	± 1%
C303		ECEA50Z1	Electrolytic,		50V	
C304		ECEA1HS100	Electrolytic,	10µF,	50V	
C305		ECQM1H122KZ	Polyester,	0.0012µF,	50V,	±10%
C306	١	ECEA50Z1	Electrolytic,	1 µ F,	50V	
C601 [M]	À	ECQF1A473MD	Polyester,	0.047 µ F,		±20%
C601 [MC]	Δ	ECQU1A473ME	Polyester,	0.047µF,	400V,	±20%
	Ì	*	1	1		
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■ TERMINAL GUIDE OF TRANSISTOR AND IC

AN6675	AN6680	AN6682	SVITC4011BP	2SC1846	2SC1328	2SD637	2SD389
13 12	13 12	WWWWWWW 123456789		E CB	E C B	STAN STAN	BCE

■ TROUBLE SHOOTING





12 10 11 7 9 8 \$401 STYLUS-ILLUMINATOR SWITCH RED BLK ORG (E IC301 AN6682 NLI BLK R401 1.5K BRN ORG SVITC4011BP 2SD389 Q203 2SC1328 RED ORG -BRN-RED -ORG YEL BLK BLU PPL BLU BLU IC201 AN6680 IC101 AN6675 Q2, 3 2SD637 Q201 2SC1846 S601 POWER SWITCH Q202 2SD637

■ ADJUSTMENT (Electrical)

Adjustments (Electrical)

Notes: • Make the following adjustments after replacing parts such as IC's, transistors, diodes, etc.

- Condition of the set.
 - 1. Power switch ON
 - 2. Pitch control Center position
 - 3. Speed selector switch 33-1/3 r.p.m.
- Instruments to be used
 - 1. Tester
 - 2. Frequency counter

	Adjustment	Connection Points	Adjustment Point	Adjustment Method
A	Adjustment of pitch control ±0% (PITCH)	Frequency counter	VR301	1. Pitch control switch to center position. 2. Adjust VR301 for 262.08 kHz ±0.05 kHz of frequency.
В	Adjustment of pitch control gain	Tester TP31 and TP32	VR302	Adjust VR302 for 2.7 k Ω ±0.1 of resistance value
С	Braking adjustment — (BRAKE)		VR201	Adjust VR201 for complete stop within 120° ~ 270° after stop signal initiated. (Turntable becomes free a few seconds after stop) STOP SIGNAL
				270° Turntable

■ REFERENCE VOLTAGE AND WAVEFORM AT EACH IC PIN

IC101 (AN6675)

	Start	Stop		Start	Stop		Start	Stop
1	2V	2V (* 99					·	20 µş
2	2V	2V 1.9.	12	300 15V	150	18	Same as at right	10V V
3	0 V	0 V		·	124	1	Same as at right	200
③	5V	5V104		2220	2018			,
(5)	5V	5V \$40%	13	15V	150	19	20V	20V 20.8
6	5V6.5	6.6V 6,5			T - T -	20	20V	20V 20.8
7	0 V	0V ¢	1	15V	15V (S.S	21)	20V	20V 20.6
8	5V	5V 4.8		-	2044	22	0.2V	0.2V N
9	0V	0V d	15)	15V	204	23	20V	20V 20.B
100	~~~ <u>i</u>	15V		•		20	1.7V	1.7۷۱٫۹
	154	15V 15,5	16	0V	0V Ø			•
		^^~~~~~ ' -	0	15V	15V 5.6			
10	15V	15V						·
		•						•

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IC:

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SL-1200MK2

IC201 (AN6680)

	Start	Stop	2 1	Start	Stop and a	. As a	Start	Stop
1	2.5V	2.5V	8	0V	0V	16	5V	2.5V2,0V
			9	9.8V	9.8V	17	5V	5V
2	Same as at right		10	10V	10V 9,3V	18	0V	0V 2,28
		3			- 10ms - 1	19	7.5V	V2,6V
			11)	Same as at right	0.8∨	20	0V	5V 5.9 Y
3	Same as at right	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1				21)	1.5V	0V
			12	0V	0V	22	3V	3V
4	Same as at right	0.2448	13	1 1 50	0.2V	3	1V 20ms 1 3v 1	3V
(5)	Same as at right	0.2446	130	20mi	20m + 25v	29	2.8V	2.8V
6	3.4V	3.4V	(15)	~~ <u>+</u>	8V			
1	0V	0V	(13)	5v 5.5v	0.4			,

IC301 (AN6682)

	Start	Stop		Start	Stop		Start	Stop
0	Same as at right	₩	4	Same as at right	1	8	Same as at right	0.4V WWW i.av
			(5)	0 V	0 V	9	9V	9V 9.4
2	Same as at right	1/2	6	3.9V	3.9V 4. 4		,	
3	Same as at right	2.6mg	TO TO	Same as at right	h			
					51	1		

IC302 (SVITC4011BP)

	Start	Stop		Start	Stop		Start	Stop
					40 ;	9	5V	75004
1	Same as at right		(5)	Same as at right	5∨	10	5V	SVSIR
						10	5V	5V 5.2
2	5V	5V G, 2	6	5 V	5V 5.2	12	0.6V	0.6V C
			1	0 V	0V (()	13	0.6V	0.6V J
3	Same as at right	□ □ 5v			44a	10	5V	5V (.)
			8	Same as at right	l h h n 📑 l			
4	5V	5V 2,9					/	

Q202 (2SD637)

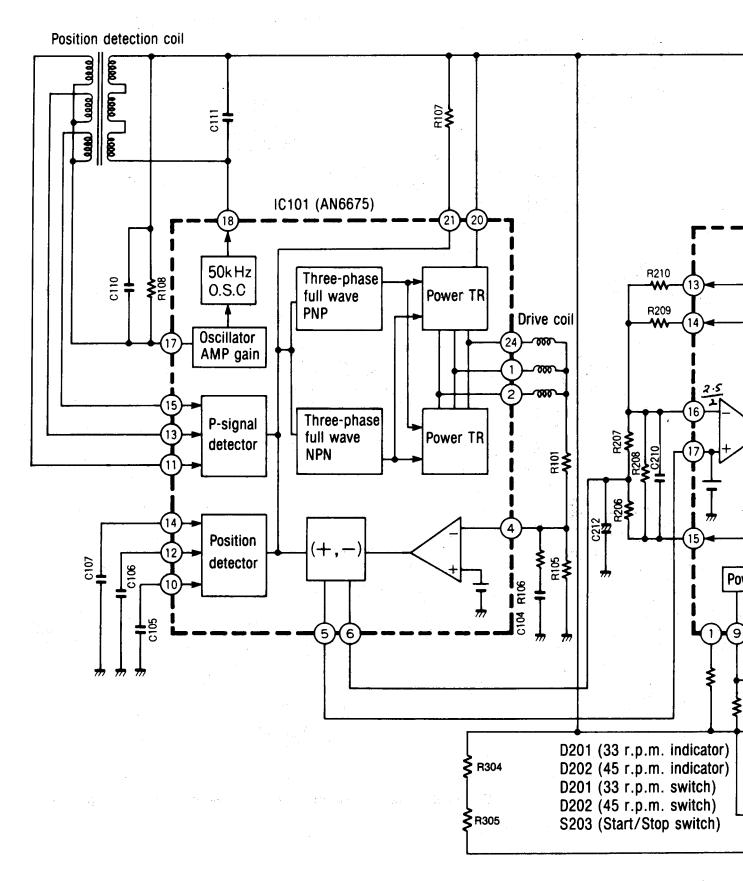
	Start	Stop
E	0V	0V
С	Same as at right	10v
В	Same as at right	

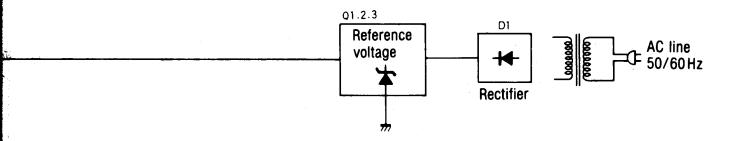
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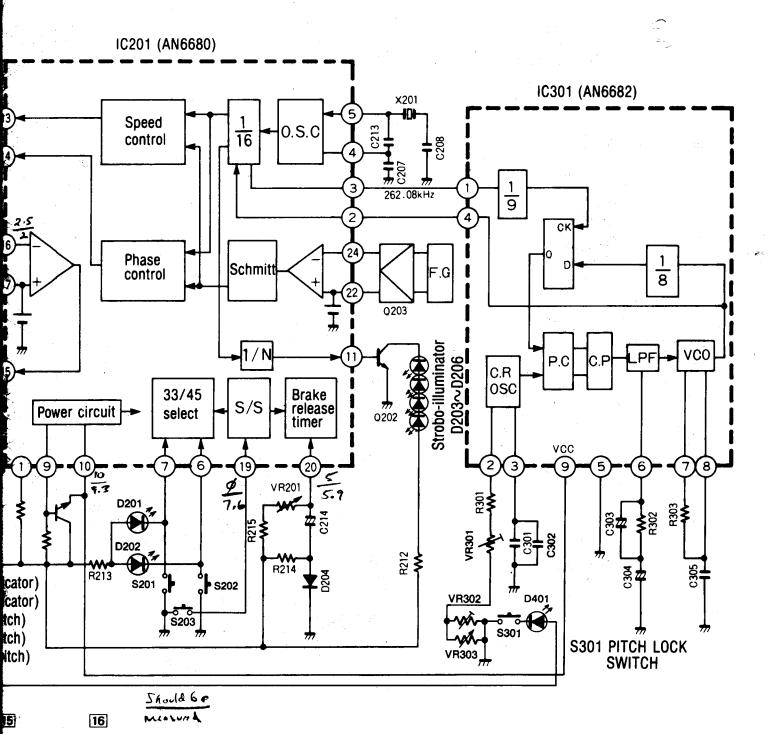
on schew, pm 12=13

is hied to pms

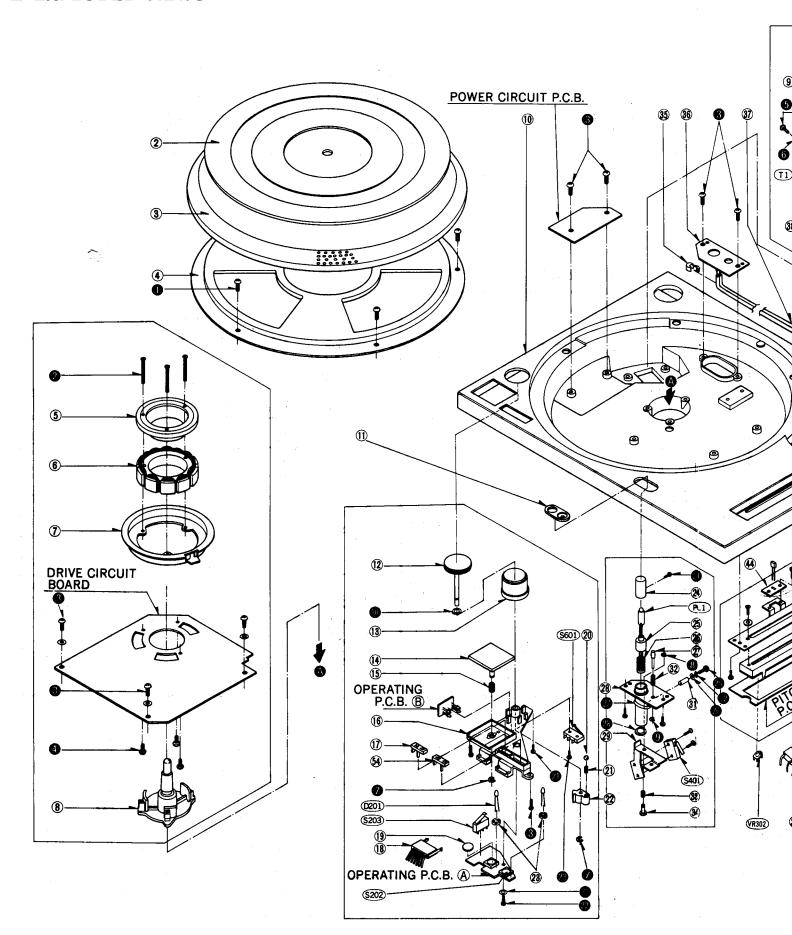
■ BLOCK DIAGRAM

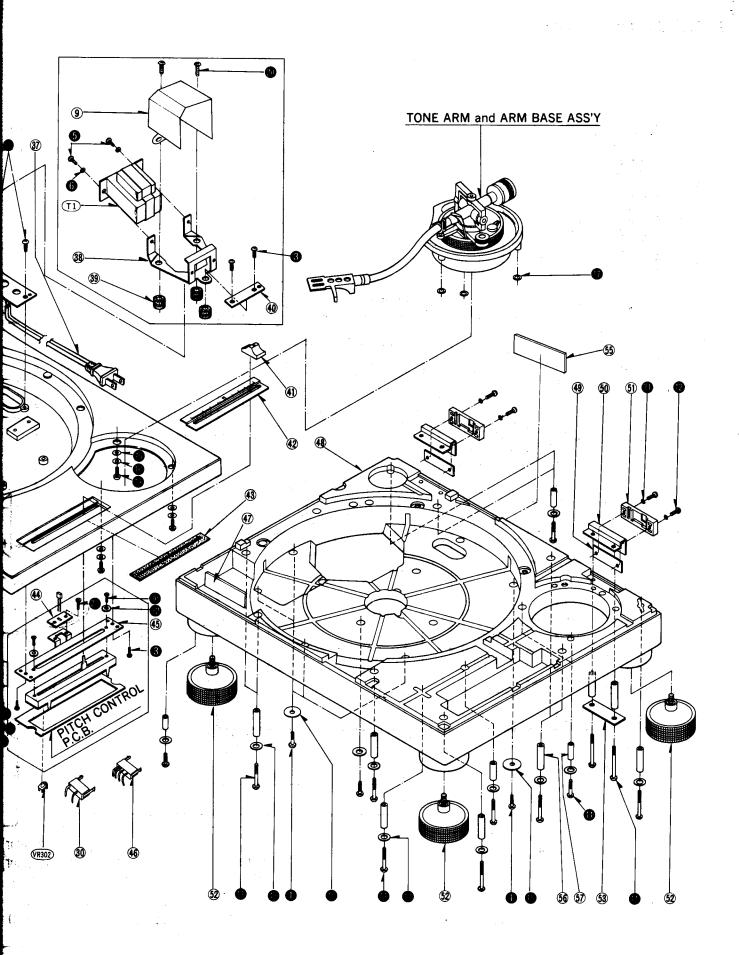






■ EXPLODED VIEWS





REPLACEMENT PARTS LIST (Mechanical)

Notes: 1. Part numbers are indicated on most mechanical parts.

Please use this part number for parts orders.

A indicates that only parts specified by manufacturer be used for safety.
 SL-1200MK2(M) → [M], SL-1200MK2(MC) → [MC]

Ref. No.	3. SL-1	200MK2(M). → [M]	,SL-1200MK2(MC) → [MC]
SFAD122.01A SFT0172-01 SFT0172-01 Turntable Mat Turntable SFM0320-01 SFM0520-031 SFM0520-031 SFM0520-031 SFM0520-031 SFM0520-031 SFM0520-031 SFM0520-031 SFM0520-031 SFM0720-01 SFM072-01 SFM072	Ref. No.	Part No.	Part Name & Description
2 SFTC172-01 Turntable Mat Turntable SFUM7200 SFMG20-01 SFMG20-01 SFMG20-01 SFMG20-01 SFMG20-01 SFMG20-01 SFMC20-01 CABINET and C	HASSIS PARTS		
SFURITZ-012 SFURIZZ-012 SFURIZZ-012 SFURIZZ-014 SFURIZZ-015 SFURIZZ-015 SFURIZZ-016 SFURIZZ-017 SFURIZZ-027 SPORT SFURIZZ-02	1	SFAD122-01A	Dust Cover
SFUND SFUN			
SFMG2001 SFMC20201 SFMC10201 SFMC1	3	SFTE172-01Z	Turntable
SFMC520-31A	4	SFUM172-05	Cover, Turntable
SFMZ172-01E	5	SFMGQ20-01	Cover, Stater Frame Ass'y
SFMZQ20-01A	6	SFMG520-31A	
SFUP122-12 SFAC122-01 SFAC122-01 SFAC122-01 SFXT122-01 SFXT122-01 SFXT122-01 SFXT122-01 SFXT122-01 SFXT122-01 SFXT122-01 SFXT122-01 SFXT122-01 SFXT122-02 SFXT015-06 SFA0122-01 SFXT015-01 SFX	7	SFMZ172-01E	FG Detector Coil Ass'y
SFAC122-01	8	SFMZQ20-01A	Shaft, Stater Frame Ass'y
SFUM172-04 SFKT122-01 SFKK122-01 SFKK122-01 SFKK122-01 SFKK122-01 SFKK122-01 SFKK122-01 SFKM122-01 SFKM122-01 SFKM122-01 SFKM122-02 SFWB-32 SFWB-32 SFWB-32 SFWB-32 SFWM122-03 SFWB-32 SFWM122-03 SFWB-32 SFWM122-03 SFWM122-			
SKKT122-01 SrK120-01 SrK120-01 SrC0A122-01 SrC0A122-02 SrC0A122-01 SrC0A122-02 SrC0A122-02 SrC0A122-03 SrC0A	10	SFAC122-01	Cabinet
SKKT122-01 SrK120-01 SrK120-01 SrC0A122-01 SrC0A122-02 SrC0A122-01 SrC0A122-02 SrC0A122-02 SrC0A122-03 SrC0A			la
13	1		
15			
SFAN 122-01 Spring, Start/Stop Knob Base, Operation Knob, Speed Selector (33-1/3 r.p.m.) Special Speci	1	t .	
SFUM 12-01	1		
SFKT015-01E SPD172-02E SPD172-02E SPD172-02E SPD172-02E SPD172-02E SPD172-02E SPD172-02E SPUND15-11 Spacer, Rubber (Speed Selector) Spring, Switch Cam Spring, Spring, Switch Cam Spring, Switch		14	
SFDJ122-02E SFGZ122-01 SFQBE Selector SFVBS-32 SPVBS-32		F-5	
SFGZ122-01 Spacer, Rubber (Speed Selector)			
SFYB5-32 Ball, Switch Cam		1 1 1	
SFQA520-01 Spring, Switch Cam SFUM122-03 SprUM122-03 SprUM122-03 SprUM122-03 SprUM122-05 Spacer, LED SprUM122-02 SprXB122-02 SprXB122-02 SprXB122-02 Spring, Drive Boss SFXXB122-02 SprUM122-02E SprUM122-03E SprUM1			
SFUMNIZ2-03 Spring, Swritch Carn Spring, Drive Spring, Lock Canceler Spring	20	31 1 00-02	Dail, Officer Conf
SFUM015-11 Spacer, LED	21	SEQA520-01	Spring, Switch Cam
SFUND SPUND SPUN			
24 SFKK172-01 Cover, Lamp 26 SFXB122-02 Spring, Drive Boss 27 SFXJ172-01 Spring, Drive Boss 28 SFUP122-02E Bracket, Stylus-Illiminator 29 SFUP122-03E Plate, Lock OPeration 30 SFOJ172-01 Plate, Lock OPeration 31 SFX0172-01 Spring, Lock Canceler Pin 32 SFX0A520-01 Spring, Lock Operating Plate M'tg 33 SFQA520-01 Spring, Lock Operating Plate M'tg 34 SFXJ172-02 Spring, Lock Operating Plate M'tg 35 SFJKX172-01 Spring, Lock Operating Plate M'tg 36 SFXJ172-01 Spring, Lock Operating Plate M'tg 36 SFXJ172-01 Spring, Lock Operating Plate M'tg 36 SFXJ172-01 Spring, Lock Operating Plate M'tg 37 RJABYA SFXGA122-01 38 SFXJ172-02 Bracket, Power Transformer 40 SFXT122-02 Spacket, Power Transformer 41 SFXT122-03 SFXMI722-03 45 SFVJ122-01 <td< td=""><td></td><td></td><td></td></td<>			
25_ SFXB122-02 Boss, Drive 27 SFQA172-01 Spring, Drive Boss 27 SFXJ172-01 Pin, Lock Canceler 28 SFUP122-02E Bracket, Stylus-illuminator 29 SFUP122-03E Pracket, Lock Operation 30 SFDA010-02 Pin, Guide 32 SFA6A520-01 Spring, Lock Operating Plate M'tg 33 SFACA620-01 Spring, Lock Operating Plate M'tg 34 SFXJ172-05 Spring, Lock Operating Plate M'tg 35 SFHKO40L Spring, Lock Operating Plate M'tg 36 SFLV122-05 Bracket, AC Cord 37 RJASYA AC Cord 38 SFLV132-03 Bracket, Power Transformer 39 SFGC122-01 Cushion, Power Transformer 40 SFX122-02 Knob, Pitch Control Volume 41 SFX122-03 SFW122-01 42 SFXK122-03 SFW122-01 43 SFUP122-01 SFW122-01 44 SFUP122-01 SFW122-01 45 SFUP122-02		1	
26 SFQA172-01 Spring, Drive Boss 27 SFXJ172-01 Pin, Lock Canceler 28 SFUP122-02E Bracket, Stylus-illuminator 29 SFUP122-03E Plate, Lock OPeration 30 SFDJ122-03E Connector, 3-PIN 31 SFXUT72-01 Pin, Guide 32 SFQA520-01 Spring, Lock Canceler Pin 33 SFQA001-02 Spring, Lock Operating Plate M'tg 34 SFXJ172-05 Pin, Lock Operating Plate M'tg 35 SFHK040L Clamper, AC Cord 36 SFUP132-03 Bracket, AC Cord 37 RJASYA AC Cord 38 SFUP132-03 Bracket, Power Transformer 40 SFUP122-10 Spacer, Power Transformer 41 SFKT122-02 Knob, Pitch Control Volume 42 SFKX1122-01 Bracket, Pitch Control Volume 43 SFUP122-02 Bracket, Pitch Control Volume 44 SFUP122-01 Bracket, Ac Cord 47 SFUP122-01 Bracket, Ac Cord 48 <td></td> <td></td> <td></td>			
SFXJ172-01 SFUP122-02E Srupt22-03 SFUP122-03 Srupt22-03 Piate, Lock Operation SFUP122-03 Piate, Lock Operation SFUP122-03 Piate, Lock Operation SFUP122-03 Connector, 3-PIN			* · · · · · · · · · · · · · · · · · · ·
28 SFUP122-02E Bracket, Stylus-illuminator 29 SFUP122-03E Plate, Lock OPeration 30 SFDJ122-03E Connector, 3-PIN 31 SFX0172-01 Pin, Guide 32 SFQA520-01 Spring, Lock Canceler Pin 33 SFQA001-02 Spring, Lock Operating Plate M'tg 34 SFXJ172-05 Pin, Lock Operating Plate M'tg 35 SFLV025-01 Bracket, Ac Cord 36 SFUP025-01 Bracket, Ac Cord 37 RJASYA AC Cord 38 SFUP132-03 Bracket, Power Transformer 39 SFGC122-01 Spacer, Power Transformer 40 SFUP132-03 Bracket, Power Transformer 41 SFKT122-02 Knob, Pitch Control Volume 42 SFKK122-03 SFAD122-01 43 SFUP122-01 Bracket, Pitch Control Volume 44 SEUP122-09 SFAD122-01 45 SFUP122-01 Bracket, Pitch Control Volume 46 SFUP122-01 SUPDOTER (PA), Hinge 47	1 ' '		
SFUP122-03	l ·		
SFDJ122-03E Connector, 3-PIN			
SFQA520-01 Spring, Lock Canceler Pin SFQA001-02 Spring, Lock Operating Plate M'tg SFXJ172-05 SFHK040L Clamper, AC Cord SFUPO25-01 Bracket, AC Cord AC Cord SFUP132-03 Bracket, AC Cord AC Cord SFUP132-03 Bracket, Power Transformer SFUP132-01 Cushion, Power Transformer SFUP122-10 Spacer, Power Transformer SFK122-02 Spring, Lock Operating Plate M'tg SFUP132-03 Bracket, AC Cord SFUP132-03 Bracket, Power Transformer SFUP122-01 Spacer, Power Transformer SPUP122-03 Ornament, Pitch Control Volume AC SFUP122-03 Spring, Lock Control Volume SFUP122-03 Spring, Lock Control Volume AC SFUP122-03 Spring, Lock Control Volume AC SFUP122-03 Supporter (A), Hinge SFUP122-04 Supporter (A), Hinge SFUP122-04 Supporter (A), Hinge SFUP122-04 Supporter (C), Hinge SFKT015-02E Supporter (C), Hinge SFKT015-02E Spring, Lock Cancel Pin, Lock			Connector, 3-PIN
SFQA520-01 Spring, Lock Canceler Pin SFQA001-02 Spring, Lock Operating Plate M'tg SFXJ172-05 SFHK040L Clamper, AC Cord SFUPO25-01 Bracket, AC Cord AC Cord SFUP132-03 Bracket, AC Cord AC Cord SFUP132-03 Bracket, Power Transformer SFUP132-01 Cushion, Power Transformer SFUP122-10 Spacer, Power Transformer SFK122-02 Spring, Lock Operating Plate M'tg SFUP132-03 Bracket, AC Cord SFUP132-03 Bracket, Power Transformer SFUP122-01 Spacer, Power Transformer SPUP122-03 Ornament, Pitch Control Volume AC SFUP122-03 Spring, Lock Control Volume SFUP122-03 Spring, Lock Control Volume AC SFUP122-03 Spring, Lock Control Volume AC SFUP122-03 Supporter (A), Hinge SFUP122-04 Supporter (A), Hinge SFUP122-04 Supporter (A), Hinge SFUP122-04 Supporter (C), Hinge SFKT015-02E Supporter (C), Hinge SFKT015-02E Spring, Lock Cancel Pin, Lock		, , ,	
SFQA001-02 Spring, Lock Operating Plate M'tg	31	SFX0172-01	Pin, Guide
SFXJ172-05	32	SFQA520-01	Spring, Lock Canceler Pin
SFHK040L SFUP025-01 Bracket, AC Cord Bracket, AC Cord AC Cord AC Cord SFUP132-03 Bracket, Power Transformer SFUP132-10 Spacer, Power Transformer SFUP122-10 Spacer, Power Transformer SFUP122-10 Spacer, Power Transformer SFUP122-10 Spacer, Power Transformer SFUP122-02 Spacer, Power Transformer SFUP122-03 Spacer, Power Transformer SFUP122-03 Spacer, Power Transformer SFUP122-03 Spacer, Power Transformer SPUP122-03 Spacer, Power Transformer Spacer, Power T	33	SFQA001-02	Spring, Lock Operating Plate M'tg
SFUP025-01 Bracket, AC Cord Bracket, Power Transformer AC Cord Bracket, Power Transformer AC Cord AC Cord Bracket, Power Transformer AC Cord AC Co	34 .	SFXJ172-05	
RJASYA AC Cord SFUP132-03 Bracket, Power Transformer SFUP132-01 Cushion, Power Transformer SFUP122-10 Spuprizer, Power Transformer SFUP122-02 Knob, Pitch Control Volume SFKK122-03 Ornament, Pitch Control Volume SFUP122-03 Shading Cloth, Pitch Control Volume SFUP122-03 Shading Cloth, Pitch Control Volume SFUP122-03 SFUP122-01 Bracket, Pitch Control Volume Holder, LED Bracket, Pitch Control Volume SFUP122-01 Bracket, Pitch Control Volume Connector, 4-PIN SFUP122-01 Spuporter, Bottom Base Base, Bottom SFUP122-05 Supporter (A), Hinge SFUP122-05 Supporter (B), Hinge SFUP122-06 Supporter (B), Hinge SFUP122-06 Supporter (C), Hinge Audio Insulator SFUP122-06 SFX0122-02 Audio Insulator SFX0122-02 SFNN122M01 SFNN122M01 Name Plate Name Plate SFX0122-01 SFX0122-01 SFX0122-01 SFX0122-01 Pipe (A) Pipe (B) SFX0122-01 Pipe (B) Hinge Ass'y SFPMG17201K Balance Weight Ass'y Balance Weight Ass'y SFPAB18201K SFPAB18202 Knob, Arm Base Lock SFPAB18202 SFPAB18202 SFPAB18202 SFPAB18202 SFPAB18202 SPAB18202 SPAB18204 SPAB1		1	
SFUP132-03 Sracket, Power Transformer			
SFGC122-01 SFUP122-10 Spacer, Power Transformer			. ~
40 SFUP122-10 Spacer, Power Transformer 41 SFKT122-02 Knob, Pitch Control Volume 42 SFKK122-03 Ornament, Pitch Control Volume 43 SFUZ122-01 Shading Cloth, Pitch Control Volume 44 SFUP122-09 Holder, LED 45 SFUP122-01 Bracket, Pitch Control Volume 46 SFDJ122-01 Connector, 4-PIN 47 SFUJ122-01 Base, Bottom 48 SFAU122-01 Base, Bottom 49 SFUP122-05 Supporter (A), Hinge 50 SFUP122-06 Supporter (B), Hinge 51 SFUP122-06 Supporter (B), Hinge 52 SFGC122-02E Supporter (C), Hinge 53 SFUP122-06 Supporter (C), Hinge 54 SFKT015-02E Knob, Speed Selector (45 r.p.m) 55 [M] SFNN122M01 Name Plate 56 SFX0122-01 Pipe (A) 57 SFX0122-01 Pipe (A) 58 SFX0122-01 Pipe (B) 59 SFAT122-01A Hinge Ass'y TONE ARM and ARM BASE 61 SFPCC31001K Balance Weight Ass'y 63 SFPZB17202 Knob, Arm Base Lock 65 SFPZB17202 Knob, Arm Base Cover 66 SFPAB13202 SPPZB12203 70 SFPZB12204 Clamper, Phono Cord 72 SFPZB12204 Clamper, Phono Cord 73 SFPAB18201K Tone Arm Fixing Plate Ass'y			
41			
42	40	SFUP122-10	Spacer, Power Transformer
42	41	CE V T 122 02	Kach Ritch Control Volume
SFUZ122-01 Shading Cloth, Pitch Control Volume			
44 45 46 47 48 48 49 49 49 5FUP122-01 50 50 50 50 51 51 52 54 55 61 57 58 61 57 58 61 62 57 58 61 62 63 63 63 64 64 65 65 65 65 65 65 65 65 65 65 65 65 65			
SFUP122-01	-		
46			
47 SFUP122-13 Supporter, Bottom Base 48 SFAU122-01 Base, Bottom 49 SFUP122-05 Supporter (A), Hinge 50 SFUP122-04 Supporter (B), Hinge 51 SFUP122-04 Supporter (B), Hinge 52 SFGC122-02E Audio Insulator 53 SFUP122-06 Supporter (C), Hinge 54 SFKT015-02E Knob, Speed Selector (45 r.p.m) 55 [M] SFNN122V01 Name Plate 56 SFNN122-01 Name Plate 56 SFX0122-01 Pipe (A) 57 SFX0122-02 Pipe (B) 58 SFAT122-01A Hinge Ass'y TONE ARM and ARM BASE 61 SFPC31001K Tone Arm Ass'y 58 SFPC3101K Tone Arm Ass'y 63 SFPWG17201K Balance Weight Ass'y 64 SFPXB17202 Knob, Arm Base Lock 65 SFPAB13202 Knob, Arm Base Lock 66 SFPXB12203 Knob, Arm Base Cover 70 <t< td=""><td></td><td></td><td></td></t<>			
48 49 49 49 49 49 49 49 49 49 49 49 49 49	-		
49 SFUP122-05 Supporter (A), Hinge 50 SFUP122-04 Supporter (B), Hinge 51 SFUP122-06 Supporter (B), Hinge 52 SFGC122-02E Audio Insulator 53 SFUP122-06 Supporter (C), Hinge 54 SFK015-02E Knob, Speed Selector (45 r.p.m) 55 [M] SFNN122C01 Name Plate 56 SFX0122-01 Pipe (A) 57 SFX0122-02 Pipe (B) 58 SFAT122-01A Hinge Ass'y TONE ARM and ARM BASE 61 SFPC31001K Head Shell 62 SFPAM18201K Tone Arm Ass'y 63 SFPWG17201K Balance Weight Ass'y 64 SFPXB17202 Knob, Arm Base Lock 65 SFPAB13202 Knob, Arm Base Lock 66 SFPAB13202 Knob, Arm Base Cover 70 SFPXB12203 Plate, Arm Base Cover 71 SFUM170-06 Spacer, Phono Cord 72 SFPXB18201K Tone Arm Fixing Plate Ass'y			
SFUP122-04 Supporter (B), Hinge			
SFUM170-07 Case, Hinge Audio Insulator SFUP122-06 SPUP122-06 Supporter (CI, Hinge Knob, Speed Selector (45 r.p.m) Name Plate Name			
SFGC122-02E Supporter (C), Hinge		· ·	
SFUP122-06 Supporter (C), Hinge	51		
SFKT015-02E SFNN122M01 Name Plate Name Plate SFNN122C01 SFNN122C01 SFX0122-01 Pipe (A) Pipe (A) Pipe (B) SFAT122-01A Hinge Ass'y			
SFNN122M01 SFNN122M01 Name Plate	53	3	
SFNN122C01 SFNN122C01 SFXC122-01 SFXC122-02 SFXC122-02 SFXC122-02 SFAT122-01A SFAT122-01A SFAT122-01A SFPCC31001K SFPCC31001K Tone Arm Ass'y			
SFX0122-01			
SFX0122-02 Pipe (B) Hinge Ass'y			
SFAT122-01A			
TONE ARM and ARM BASE 61			
61 SFPCC31001K Head Shell 62 SFPAM18201K Tone Arm Ass'y 63 SFPWG17201K Balance Weight Ass'y 64 SFPRT18201K Lift Ass'y 65 SFPZB17202 Knob, Arm Base Lock 66 SFQA829-03 Sprink, Lift Ass'y 67 SFPAB13202 Knob, Arm Lift 68 SFPJL18202K Oil Damper 70 SFPZB12203 Plate, Arm Base Cover 71 SFUM170-06 Spacer, Phono Cord 72 SFPZB12204 Clamper, Phono Cord 73 SFPAB18201K Tone Arm Fixing Plate Ass'y	58	SFAT122-01A	Hinge Ass'y
61 SFPCC31001K Head Shell 62 SFPAM18201K Tone Arm Ass'y 63 SFPWG17201K Balance Weight Ass'y 64 SFPRT18201K Lift Ass'y 65 SFPZB17202 Knob, Arm Base Lock 66 SFQA829-03 Sprink, Lift Ass'y 67 SFPAB13202 Knob, Arm Lift 68 SFPJL18202K Oil Damper 70 SFPZB12203 Plate, Arm Base Cover 71 SFUM170-06 Spacer, Phono Cord 72 SFPZB12204 Clamper, Phono Cord 73 SFPAB18201K Tone Arm Fixing Plate Ass'y			
61 SFPCC31001K Head Shell 62 SFPAM18201K Tone Arm Ass'y 63 SFPWG17201K Balance Weight Ass'y 64 SFPRT18201K Lift Ass'y 65 SFPZB17202 Knob, Arm Base Lock 66 SFQA829-03 Sprink, Lift Ass'y 67 SFPAB13202 Knob, Arm Lift 68 SFPJL18202K Oil Damper 70 SFPZB12203 Plate, Arm Base Cover 71 SFUM170-06 Spacer, Phono Cord 72 SFPZB12204 Clamper, Phono Cord 73 SFPAB18201K Tone Arm Fixing Plate Ass'y	TONE ARM and	ARM BASE	<u> </u>
62 SFPAM18201K Tone Arm Ass'y Balance Weight Ass'y Lift Ass'y			Head Shell
63 SFPWG17201K SFPRT18201K SFPZB17202 SFPZB17202 SFPZB1203 SFPZB1203 SFPZB1204 SFPZB1204 SFPZB1205 SFPZB1206 SFPZB1207 SFPZB12203 SFPZB12203 SFPZB12204 SFPZ			
SFPRT18201K Lift Ass'y Knob, Arm Base Lock			
65 SFPZB17202 Knob, Arm Base Lock 66 SFQA829-03 Spring, Lift Ass'y 67 SFPAB13202 Knob, Arm Lift 68 SFPJL18202K Oil Damper 70 SFPZB12203 Plate, Arm Base Cover 71 SFUM170-06 Spacer, Phono Cord 72 SFPZB12204 Clamper, Phono Cord 73 SFPAB18201K Tone Arm Fixing Plate Ass'y			
66 SFQA829-03 Spring, Lift Ass'y 67 SFPAB13202 Knob, Arm Lift 68 SFPJL18202K Oil Damper 70 SFPZB12203 Plate, Arm Base Cover 71 SFUM170-06 Spacer, Phono Cord 72 SFPZB12204 Clamper, Phono Cord 73 SFPAB18201K Tone Arm Fixing Plate Ass'y			
67 SFPAB13202 Knob, Arm Lift 68 SFPJL18202K Oil Damper 70 SFPZB12203 Plate, Arm Base Cover 71 SFUM170-06 Spacer, Phono Cord 72 SFPZB12204 Clamper, Phono Cord 73 SFPAB18201K Tone Arm Fixing Plate Ass'y			
68 SFPJL18202K Oil Damper Plate, Arm Base Cover SFUM170-06 Spacer, Phono Cord SFPZB12204 Clamper, Phono Cord SFPAB18201K Tone Arm Fixing Plate Ass'y		· ·	
70 SFPZB12203 Plate, Arm Base Cover 71 SFUM170-06 Spacer, Phono Cord 72 SFPZB12204 Clamper, Phono Cord 73 SFPAB18201K Tone Arm Fixing Plate Ass'y			
71 SFUM170-06 Spacer, Phono Cord 72 SFPZB12204 Clamper, Phono Cord 73 SFPAB18201K Tone Arm Fixing Plate Ass'y			
72 SFPZB12204 Clamper, Phono Cord 73 SFPAB18201K Tone Arm Fixing Plate Ass'y			
73 SFPAB18201K Tone Arm Fixing Plate Ass'y			
		1 -	
74 SFPZB12201K Plate, Position Fix			Plate, Position Fix

		
Ref. No.	Part No.	Part Name & Description
75 [M]	SFDH360M01	Phono Cord
75 (MC)	SFDH028-01	Phono Cord
76	SEEL 028-01E	Ground Wire
77	SFPRT17201K	Arm Rest
78 79	SFPKD17203 SFPKB17201S	Arm Base Ring, Arm Base Operation
80	SF PKD12201	Bracket, Arm Base
81	SFPAB17206	Knob, Anti-skate Force Control
· · · · · · · · · · · · · · · · · · ·		
SCREWS, WASI	HERS and CIRCLIPS	
2	XTN3+8BFZ 	Screw
	XTN3+8B	Screw
Ä	XTN26+6B	Screw
ă	XTN4+10B	Screw
ě	XWA4B	Washer
•	XUC3FT	Circlip
•	XUC2FT	Circlip
•	XUC25FT	Circlip
•	SFXW910J02	Washer
•	XTN3+40BFZ	Screw
•	XSN3+10BVS	Screw
•	XWE3F12FZ	Washer
•	XTN3+25BFZ	Screw
•	SFXW122-01	Washer
•	XWE3E10	Washer
X	SFPEW1100	Washer
	SFPEW11003 XSN3+8S	Screw
Ĭ.	SFXG132-01	Screw
		1
•	XTV3+8BFN	Screw
•	XTN3+10B	Screw
•	XTN2+10B	Screw
.	XSN17+3FY XSN3+14S	Screw
	SFXW172-04	Screw Washer
X	XUB14FT	Circlip
	SFUZ172-05	O Ring
ě	XTN3+6B	Screw
ě	XSN3+6S	Screw
ě	XWA3BFZ	Washer
•	XWA3B	Washer
14 Tak	XWG3	Washer
•	SFXG829-1	Screw
	XUC5FT XTW3+6B	Circlip Screw
	XTV3+6BFN	Screw
	XWE4A10EW	Washer
•	XTN3+25B	Screw
•	XYN3+C6FZS	Screw
•	SFPEW17201	Screw
X	XWG26	Washer Washer
_	AG20	1100101
ACCESSORIES	<u> </u>	
	, ,	Lastruction Rock
A1 [M]	SFNU122M01 SFNU122C01	Instruction Book
A1 [MC] A2	SFWE010	Adaptor, 45 r.p.m.
A3	SFPEN3302	Nut, Cartridge
A4	SFPEW9601	Washer, Cartridge
A5	SFCZV8801	Screw, Cartridge
A6	SFPEV9801	Screw, Cartridge
A7	SFK0135-01	Overhang Gauge
A8	SFPZB3501	Shell Weight
PACKINGS	<u> </u>	
P1 [M]	SFHP122M01	Carton
P1 [MC]	SFHP122C01	Carton
P2	SFHH122-01	Pad, Front
P3	SFHH122-02	Pad, Rear
P4	SFHD122-01	Pad, Top
P5	SFHD122-02	Pad, (A), Turntable
P6	SFHD122-03	Pad, (B), Turntable
P7	SFYH60X60	Polyethylene Cover, Turntable Unit and
P8	SFYH40X45	Dust Cover Polyehtylene Cover, Turntable
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■ EXPLODED VIEWS

