Service Manua

FG Servo Automatic Turntable System



Turntable System

SL-BD22

Color	Areas
(S) (K)	[M] U.S.A.
(S) (K)	[MC] Canada.
(S) (K)	[E] Switzerland and
	Scandinavia.
(S) (K)	[EK] United Kingdom.
(S) (K)	[XL] Australia.
(S) (K)	[EG] F.R. Germany.
(S) (K)	[EB] Belgium.
(S) (K)	[EH] Holland.
(S) (K)	[EF] France.
(S) (K)	[Ei] Italy.
(S) (K)	[EC] Czechoslovakia.
(S) (K)	[XA] Southeast Asia,
	Oceania, Africa,
	Middle Near East
	and Central South
	America.

Color

(S).... Silver Type (K) Black Type

Only models for U.S.A. and Canada are not provided with cartridge.

is the standard mark for plug-in-connector system. Products carrying this mark are interchangeable and compatible with each other.

SPECIFICATIONS

■ TURNTABLE SECTION

Type: Features: Automatic turntable Auto-return

Auto-stop

Drive method:

Belt drive DC motor

Motor:

FG servo control

Drive control method:

Turntable platter:

Aluminum die-cast

Turntable speeds:

Diameter 31.2 cm (12-9/32")

33-1/3 rpm and 45 rpm

Wow and flutter:

0.045% WRMS (JIS C5521)

±0.06% Weighted zero to peak (IEC 98A weighted)

Rumble:

-70 dB DIN-B (IEC 98A weighted)

■ TONEARM SECTION

Type:

Static-balanced straight tonearm

Plug-in-connector cartridge

system

Overhang: **Effective length:** 15 mm (19/32")

230 mm (9-1/16")

Tracking error angle:

Within 2°32' at outer groove of

30 cm (12") disc within 0°32' at

inner groove of 30 cm (12") disc 13.5 g (including cartridge)

1.25 g (Fixed)

Stylus pressure:

Applicable cartridge

weight:

Effective mass:

Phono cable

6 g

90 pF capacitance:

CARTRIDGE SECTION (Except for U.S.A. and Canada.)

Moving magnet stereo cartridge

Matsushita Electric Trading Co., Ltd.

P.O. Box 288, Central Osaka Japan

10 Hz ~ 30 kHz

Frequency response: **Output voltage:**

2.5 mV at 1 kHz, 5 cm/s. zero to

Channel separation:

peak lateral velocity

Channel balance:

22 dB at 1 kHz

Within 2 dB at 1 kHz

Matsushita Services Company 50 Meadowland Parkway, Secaucus, New Jersey 07094

Division of Matsushita Electric of Puerto Rico, Inc.

Ave. 65 De Infanteria, KM 9.7 Victoria Industrial Park Carolina, Puerto Rico 00630

Panasonic Hawaii, Inc. 91-238, Kauhi St. Ewa Beach P.O. Box 774

Honolulu, Hawaii 96808-0774

Matsushita Flectric

of Canada Limited 5770 Ambler Drive, Mississauga, Ontario, L4W 2T3

Technics



Recommended load

impedance:

 $47 \text{ k}\Omega \sim 100 \text{ k}\Omega$

Compliance (dynamic): Stylus pressure range:

 12×10^{-6} cm/dyne at 100 Hz 1.25±0.25g (12.5±2.5mN)

Weight:

Replacement stylus:

6 g (cartridge only) EPS-24CS

■ GENERAL

Power supply:

For U.S.A. and Canada: AC:120V, 60 Hz

For United Kingdom and Australia:

AC 240V. 50 Hz For Continental Europe: AC 220V, 50 Hz

For Others:

AC 110~127/220~240V, 50/60 Hz

Power consumption:

Dimensions:

 $(W \times H \times D)$ 430×93×375 mm

(16-15/16"×3-21/32"×14-3/4")

When dust cover is open: 430×360×410 mm

(16-15/16"×14-5/32"×16-1/8")

Weight: 3.6 kg (7.9 lb.)

Specifications are subject to change without notice for further

3 W

improvement.

Weight and dimensions shown are approximate.

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■ SAFETY PRECAUTION

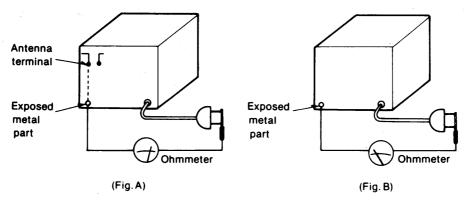
(This "safety precaution" is applied only in U.S.A.)

- 1. Before servicing, unplug the power cord to prevent an electric shock.
- 2. When replacing parts, use only manufacturer's recommended components for safety.
- 3. Check the condition of the power cord. Replace if wear or damage is evident.
- 4. After servicing, be sure to restore the lead dress, insulation barriers, insulation papers, shields, etc.
- 5. Before returning the serviced equipment to the customer, be sure to make the following insulation resistance test to prevent the customer from being exposed to a shock hazard.

• INSULATION RESISTANCE TEST

- 1. Unplug the power cord and short the two prongs of the plug with a jumper wire.
- 2. Turn on the power switch.
- 3. Measure the resistance value with ohmmeter between the jumpered AC plug and each exposed metal cabinet part, such as screwheads, antenna, control shafts, handle brackets, etc. Equipment with antenna terminals should read between $3M\Omega$ and $5.2M\Omega$ to all exposed parts. (Fig. A) Equipment without antenna terminals should read approximately infinity to all exposed parts. (Fig. B)

Some exposed parts may be isolated from the chassis by design. These will read infinity.

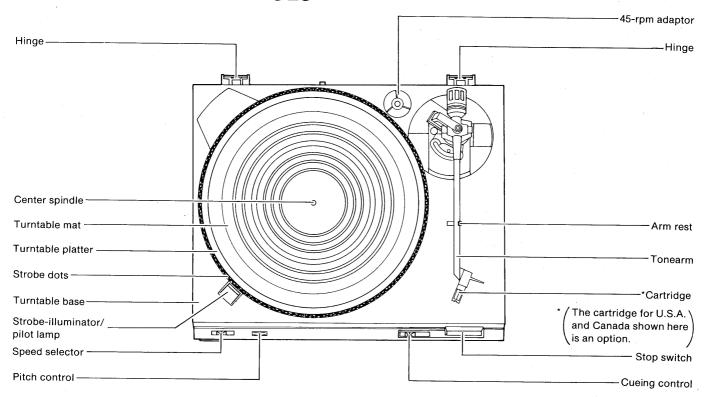


Resistance = $3M\Omega - 5.2M\Omega$

Resistance = Approx ∞

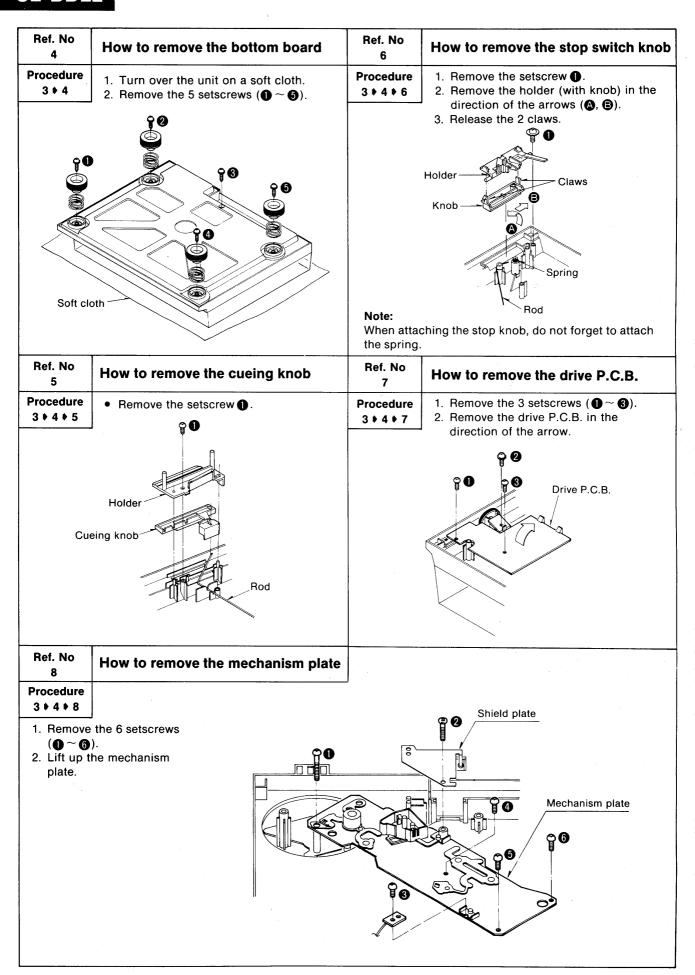
4. If the measurement is outside the specified limits, there is a possibility of a shock hazard. The equipment should be repaired and rechecked before it is returned to the customer.

■ LOCATION OF CONTROLS



■ DISASSEMBLY INSTRUCTIONS

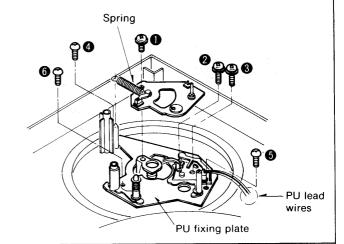
Ref. No 1	How to remove the cartridge	Ref. No 3	How to remove the turntable platter
Procedure 1	 Remove the setscrew ①. Pull out the cartridge, taking care that your hand does not touch the stylus tip. 	Procedure 3	1. Open the dust cover and remove the turntable mat. 2. Remove the belt. 3. Lift up the turntable platter.
	Cartridge	Dust cover Turntable mat	
Ref. No 2	How to remove the stylus	Belt	
Procedure 2	Pull out the stylus, taking care not to touch the stylus tip. Cartridge Stylus	Turntable Platter	



Ref. No How to remove the tonearm and PU fixing plate 9

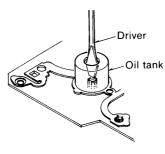
- **Procedure** 3+4+8+9
- 1. Unsolder the 5 PU lead wires from the phono terminal.
- 2. Remove the setscrew 1 and spring.
- 3. To remove the tonearm, remove the 2 setscrews
- 4. To remove the PU fixing plate, remove the 3 setscrews (4, 5, 6).
- PU lead wiring method

WhiteL channel (+) terminal Blue.....L channel (-) terminal RedR channel (+) terminal GreenR channel (-) terminal Black......Ground terminal



Ref. No 10	How to remove the cueing cam
Procedure 3 + 4 + 8 + 10	

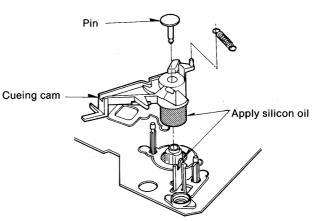
- 1. Push the pin with a driver.
- 2. Remove the pin and spring.
- 3. Remove the cueing cam.



Note:

If the cueing time of the tonearm becomes too short, or if the cueing cam is replaced, apply silicon oil (Part No. SZZ0L11) according to the following procedure.

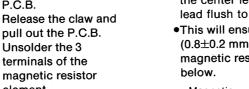
- 1. Remove the cueing cam.
- 2. Apply silicon oil to the cueing cam and oil tank.

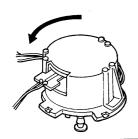


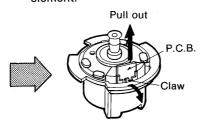
Ref. No	How to remove the magnetic resistor
11	element

Procedure 3 + 4 + 11

- •Remove the motor assembly in the direction of the arrow.
- 1. Unsolder the 3 lead wires from the magnetic resistor P.C.B.
- 2. Release the claw and
- 3. Unsolder the 3 terminals of the magnetic resistor element.

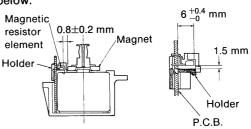






If the magnetic resistor element has been replaced, observe the following mounting precaution.

- •The magnetic resistor element is supplied with the center lead bent. Be sure the seat the bent lead flush to the P.C.B.
- •This will ensure the proper clearance (0.8±0.2 mm) between the magnet and the magnetic resistor element as shown



■ MEASUREMENTS AND ADJUSTMENTS

ARM-LIFT HEIGHT ADJUSTMENT

The arm-lift height (distance between the stylus tip and the record surface when the cueing control is at the " Σ " position) has been adjusted at the factory to approximately 5 to 7 mm (3/16"—9/32").

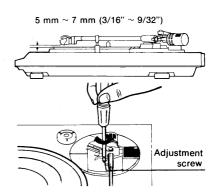
If the clearance is too narrow or too wide, turn the adjustment screw clockwise or counterclockwise.

Clockwise rotation

—distance between the record and stylus tip is decreased.

Counterclockwise rotation

—distance between the record and stylus tip is increased.



AUTOMATIC RETURN ADJUSTMENT

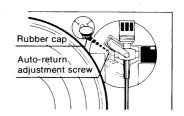
- 1. Clamp the tonearm to the arm rest.
- 2. Remove the rubber cap.
- Turn the screw with a screwdriver, clockwise or counterclockwise as necessary.

If the tonearm tends to return to the arm rest before the play has finished.

-turn counterclockwise.

If the tonearm fails to return after the final groove,

-turn clockwise.

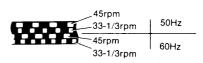


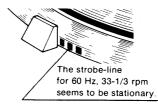
SPEED ADJUSTMENT (PITCH CONTROL)

There are strobe-lines cut on this turntable platter to indicate correct rotational speed.

If the strobe-line appears to be moving as the turntable rotates, adjust while playing a record.

- 1. Set the speed selector to the speed to be adjusted.
- 2. Push the power switch. The strobe-illuminator/pilot lamp will light up and the platter will rotate.
- 3. Watch the dot pattern on the side of the platter. Turn the pitch control one way or the other until the dots appear to stand still. This is the correct speed.
- 4. Turning the pitch control in the "+" direction increases the speed.
- 5. Turning the pitch control in the "—" direction decreases the speed.





In the U.S.A. and CANADA use 60 Hz lines.

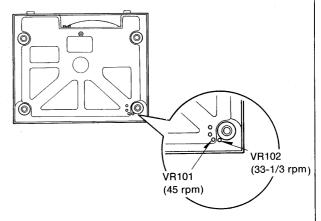
The 50 Hz lines are for European countries.

ROTATING SPEED

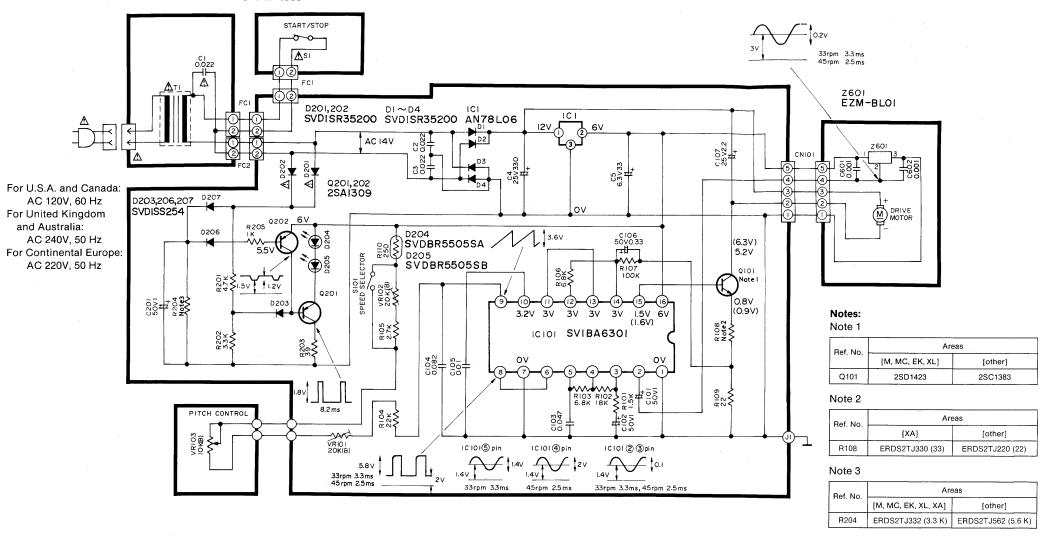
When the turntable drive/control IC (IC101) or the variable resistors (VR101, 102) are changed, or if the rated rotation is not reached even when the pitch control knob is turned, adjust the rotating speed in the following procedure.

- 1. Set the speed selector switch to the "45" position.
- Turn VR101 with a screwdriver from the bottom of the set to the rated rotation (45 rpm) and check the rotation with a strobe while adjusting the speed.
- 3. Set the speed selector switch to the "33" position.
- 4. Turn VR102 with a screwdriver from the bottom of the set to the rated rotation (33-1/3 rpm) and check the rotation with a strobe while adjusting the speed.

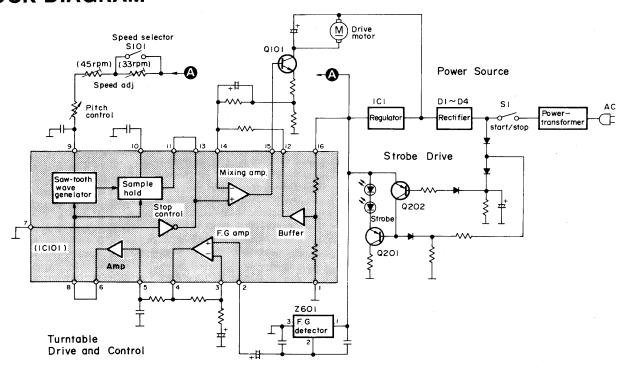
Note: Be sure to make the adjustment for 45 rpm first.



■ SCHEMATIC DIAGRAM



■ BLOCK DIAGRAM



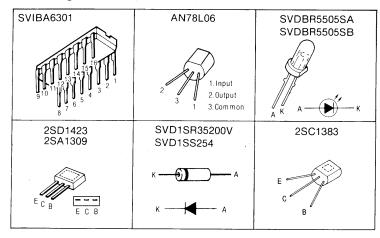
Notes:

- 1. S1: Power switch in "on" position.
- 2. S101: Speed selector switch in "33" position.
- 3. The values are of the reference voltage for the turntable rotation (33 rpm) of this unit, measured by a DC voltmeter (high impedance) on the basis of chassis. So, some error might be included depending on the internal impedance of the measuring instrument and the unit measured.
 - * (): voltage in 45 rpm.
- 4. Important safety notice:

Components identified by \(\frac{\Lambda}{n} \) mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

- 5. VR101 is the 45 rpm speed adjustment variable resistor.
- 6. VR102 is the 33-1/3 rpm speed adjustment variable resistor.
- 7. This schematic diagram may be modified at any time with the development of new technology.

• Terminal guide of IC's, transistors and diodes

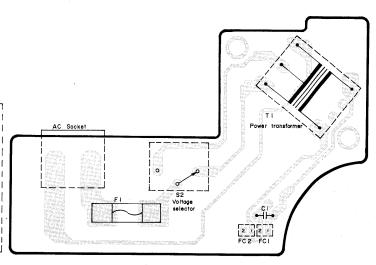


Caution!

IC and LSI are sensitive to static electricity.

Secondary trouble can be prevented by taking care during repair.

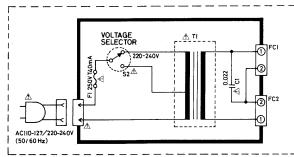
- Cover the parts boxes made of plastics with aluminum foil.
- Ground the soldering iron.
- Put a conductive mat on the work table.
- Do not touch the legs of IC or LSI with the fingers directly.



Power source circuit

CARTRIDGE

For [XA] area



Red

Green

White

Blue

Black

OUTPUT

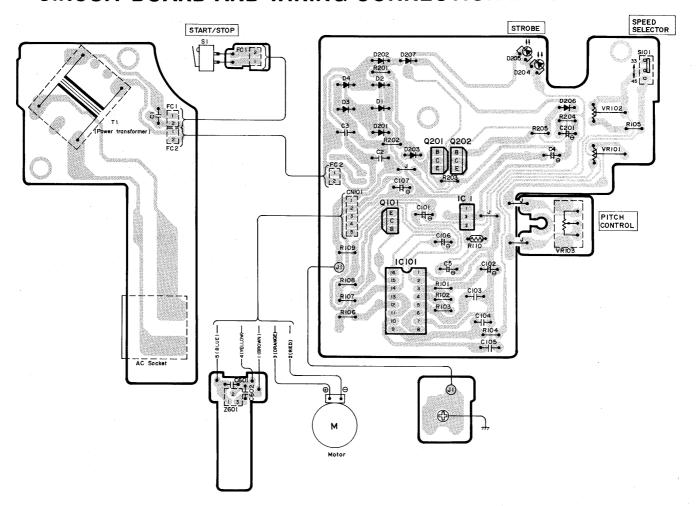
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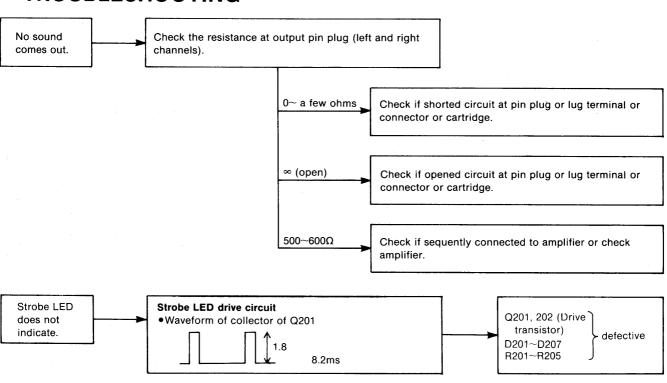
L ch

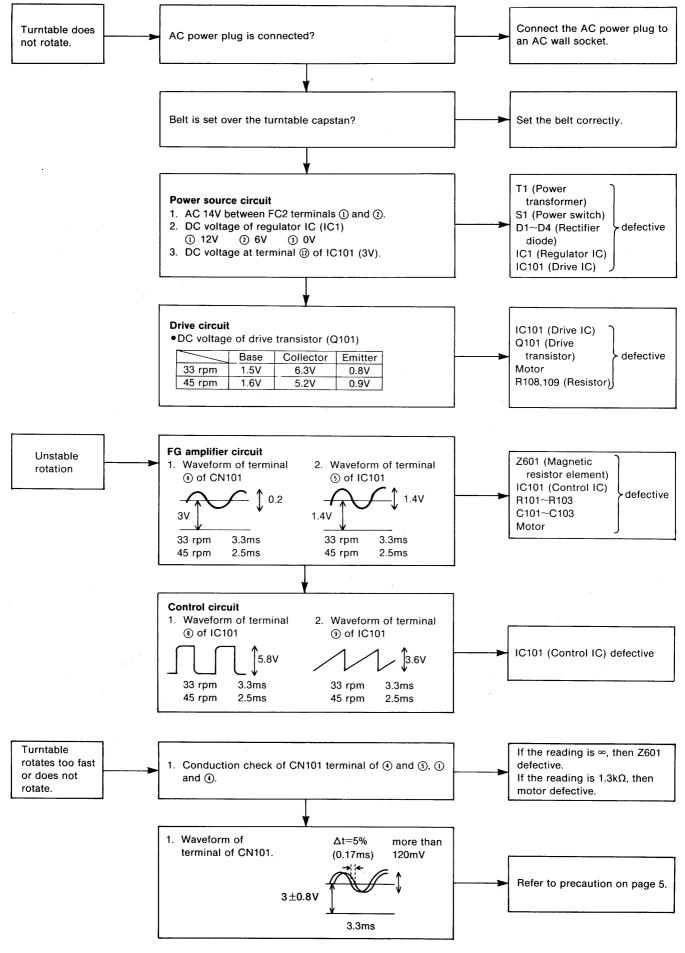
GND

■ CIRCUIT BOARD AND WIRING CONNECTION DIAGRAM



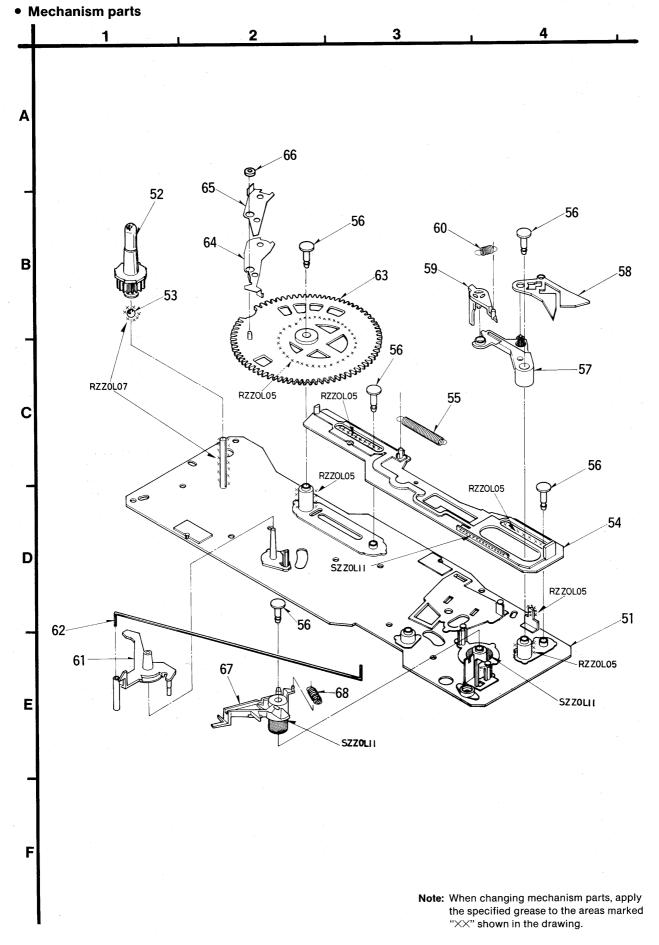
■ TROUBLESHOOTING





■ EXPLODED VIEW • Cabinet and chassis parts 42 N11 VR102 N3 VR101 N13 N6-

Note: When changing mechanism parts, apply the specified grease to the areas marked "XX" shown in the drawing.



■ REPLACEMENT PARTS LIST

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

- - When replacing any of these components, use only manufacturer's specified parts.
- 3. (*)-marked parts are used for black type only, while _____-marked parts are used for silver type only.
- Parts other than **®** and ○-marked are used for both black and silver types.
- Bracketed indications in Ref. No. columns specify the area. Parts without these indications can be used for all areas.
- 6. The "\$" mark is service standard parts and may differ from production parts.
- 7. The parenthesized numbers in the column of description stand for the quantity per set.

Color	Areas
(S) (K)	[M] U.S.A.
(S) (K)	[MC] Canada.
(S) (K)	[E] Switzerland and
	Scandinavia.
(S) (K)	[EK] United Kingdom.
(S) (K)	[XL] Australia.
(S) (K)	[EG] F.R. Germany.
(S) (K)	[EB] Belgium.
(S) (K)	[EH] Holland.
(S) (K)	[EF] France.
(S) (K)	[Ei] Italy.
(S) (K)	[EC] Czechoslovakia.
(S) (K)	[XA] Southeast Asia,
	Oceania, Africa,
	Middle Near East
	and Central South
	America.

Ref. No.	Part. No.	Description
INTEGRA	TED CIRCUITS	
IC1 IC101	AN78L06 SVIBA6301	Regulator FG Servo
TRANSIS	TORS	
Q101	2SD1423	Switching
[M, MC] [EK, XL] Q101 [other]	2SC1383	Switching
Q201, 202	2SA1309	Strobe Drive
DIODES		
	CVD100000V	Rectifier
	\SVD1SR35200V \SVD1SR35200V	
D201, 2027	SVD1SS254	Switching
D204	SVDBR5505SA	Strobe, LED
D205	SVDBR5505SB	Strobe, LED
	SVD1SS254	Switching
SWITCHE	:S	
S1 /	SFDSD72R01	Power
	∆sfdshxw02067	Voltage Selector
[XA] only S101	SFDSHSW0834	Speed Selector
VARIABL	E RESISTORS	
VR101, 102	EVN61AA00B24	Speed Adjustment, 20 kΩ (B)
VR103	EVJE1AF20B14	Pitch Control, 10 kΩ (B)
MAGNET	IC RESISTOR E	EMENT
Z601	EZM-BL01	F.G Detector
FUSE		
F1 <u>∕</u> [XA] only	XBA2C004T1B	250V, T40 mA
POWER T	RANSFORMER	
	∑SLТ35КL5В	Power Source
	∑SLT35K97C	Power Source
T1 /3 [EK, XL]	∑SLT35KE61E	Power Source
	SLT35KE62E	Power Source
T1 [XA] /		

F	Ref. No.	Part. No.	Description	
T	HERMIS	TER		
R	110	ERTD2ZFK251S	250Ω	
R	ESISTO	RS		
R	101	ERDS2TJ152	Carbon, 1/4W, 1.5kΩ, ±5%	
R	102	ERDS2TJ183	Carbon, 1/4W, 18kΩ, ±5%	
R	103	ERDS2TJ682	Carbon, 1/4W, 6.8kΩ, ±5%	
R	104	ERDS2TJ223	Carbon, 1/4W, 22kΩ, ±5%	
R	105	ERDS2TJ272	Carbon, 1/4W, 2.7kΩ, ±5%	
R	106	ERDS2TJ682	Carbon, 1/4W, 6.8kΩ, ±5%	
R	107	ERDS2TJ104	Carbon, 1/4W, 100kΩ, ±5%	
Ų R¹	108 [XA] 108 other]	ERDS2TJ330 ERDS2TJ220	Carbon, 1/4W, 33Ω , $\pm 5\%$ Carbon, 1/4W, 22Ω , $\pm 5\%$	
1	109 201	ERDS2TJ220 ERDS2TJ472	Carbon, 1/4W, 22Ω, ±5% Carbon, 1/4W, 4.7kΩ,	
R	202	ERDS2TJ332	±5% Carbon, 1/4W, 3.3kΩ,	ļ
R	203	ERDS2TJ390	\pm 5% Carbon, 1/4W, 39Ω, \pm 5%	
Įρ	204 M, MC,]	ERDS2TJ562	Carbon, 1/4W, 5.6kΩ, ±5%	[
l () L R	EK, XL, XA 204 other]	ERDS2TJ332	Carbon, 1/4W, 3.3kΩ, ±5%	[
R	205	ERDS2TJ102	Carbon, 1/4W, 1kΩ, ±5%	ſ
С	APACI1	ORS		
C	1 /	ECQG1223KZ	Polyester, 100V, 0.022μF, ±10%	ا ا
c	2, 3 /	LECKR1H223ZF	Ceramic, 50V, 0.022μF,	١
c	4	ECEA1EU331	Electrolytic, 25V, 330µF	
c	5	ECEA0JU330	Electrolytic, 6.3V, 33µF	
	101, 102 103	ECEA1HU010 ECQG1H473KZT	Electrolytic, 50V, 1μ F Polyester, 50V, 0.047μ F, $\pm 10\%$	

	Ref. No) .	Part. No.	Description	
ĺ	C104	,	ECQP2A823JZW	Polypropylene, 200V, 0.082µF, ±5%	
	C105		ECQG1H103KZT	Polyester, 50V, 0.01μF, ±10%	
١	C106		ECEA1HUR33	Electrolytic, 50V, 0.33µ	ιF
1	C107		ECEA1EU2R2	Electrolytic, 25V, 2.2µF	
١	C201		ECEA1HU010	Electrolytic, 50V, 1µF	
	C601, 60)2	ECUX1H102MBM	Chip Ceramic, 50V, 0.001μF, ±20%	
ľ	CABIN	ΕT	AND CHASSIS	PARTS	
ı	1		SFADZ15R01	Dust Cover	(1)
١	2		SFGZD04N01	Rubber Cushion, Dust	
-				Cover	(2)
1	3		SFTGB93M01	Turntable Mat	(1)
1	4		SFTEBD2N01	Turntable Platter	(1)
	5		SFGBZ15R01	Belt	(1)
	6		SDMB5E	Motor Ass'y	(1)
	7		SHGB7	Cushion Rubber,	١٠/
	•		onab.	Motor	(1)
	8	A	\SFDJHSC0515	AC Socket	(1)
	9	73	SFATZ15R01A	Hinge	٠,
	9		SFATZISHUIA	ninge	(2)
þ	10 [M]		SGTB42	Name Plate	(1)
Ш	10 [MC]		SGTB43	Name Plate	(1)
П	10 [E, E	C]	SGTB44	Name Plate	(1)
П	10 [EK]		SGTB45	Name Plate	(1)
Ш	10 [XL]		SGTB46	Name Plate	(1)
Ш	10 [EG]		SGTB47	Name Plate	(1)
Ш	10 [XA]		SGTB49	Name Plate	(1)
Ш	10 [othe	r1	SGTB48	Name Plate	(1)
1	-	-			
П	11	0	SKMLBD22-SE	Cabinet With Badge	(1)
Ц	11	®	SKMLBD22-KM	Cabinet With Badge	(1)
Ч	11-1	0	SGB628	Badge	(1)
Ш	11-1	®	SGB628-1	Badge	(1)
٦		_		3 -	.,
Н	12	0	SFKTBD2N03	Knob, Speed Selector	(1)
Ш	12	®	SBCB70-0C	Knob, Speed Selector	٠,
٦	-		0000.000	ranos, oposa conserer	(. ,
	13		SGXB110-1	Ornament Plate	(1)
٨	14	\sim	SFKTBD2N01	Knob, Stop	(1)
U		0			
4	14	®	SBCB30-0C	Knob, Stop	(1)
1	45		OF IMPROME	D 04 K1	(4)
	15		SFUMBD2N01	Base, Stop Knob	(1)
	16		SFQHZ15R01	Spring	(1)
	17		SFUZZ15R01	Rod, Stop Knob	(1)
- (

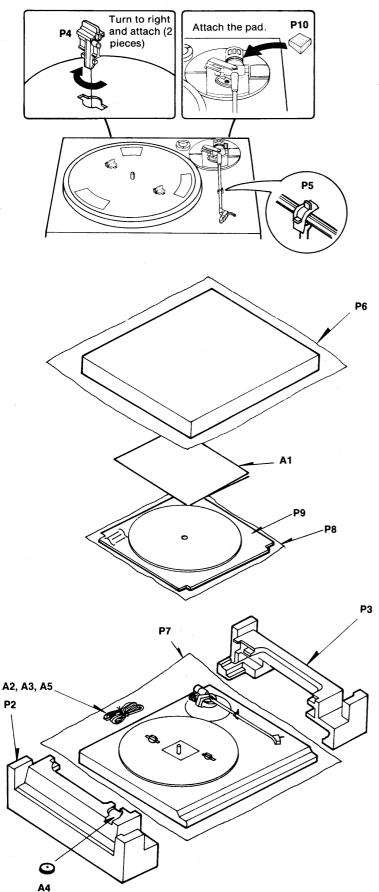
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l	Ref. No.	Part. No.	Description	
۱	18 🔾	SBCB60-0S	Knob, Cueing	(1)
	18 ®	SBCB60-0C	Knob, Cueing	(1)
	19	SKMB140	Bracket, Cueing Knob	(1)
	20	STZB4	Rod, Cueing	(1)
	21	SFUMBD2N06	Holder, LED	(1)
	22	SFUMBD2N07	Strobe	(1)
	23	SKUB3-1	Bottom Cover	(1)
	24	SUSB38	Spring, Insulator	(4)
	25	SKLB3	Insulator	(4)
	26 🔾	SFKTBD2N04	Knob, Speed Adjuster	(1)
	26 ®	SBCB80-0C	Knob, Speed Adjuster	(1)
	27	SFDJBD2N03	Jack, Output	(1)
	28 🔾	SKMB160-0S	Cover	(1)
	28 ®	SKMB160-0K	Cover	(1)
	29	SWKBB42051	Connector Ass'y (5P)	(1)
	TONEAR	M PARTS		
	31 [M, MC] XA	SFAB5A	Tonearm Ass'y	(1)
	31 [other]	SFAB14A	Tonearm Ass'y	(1)
	32 [except] M, MC	EPC-P24S	★Cartridge	(1)
	33 [except] M. MC	EPS-24CS	★Stylus	(1)
	34 [except] M, MC	SFCNC05101	Cover, Stylus	(1)
	35	SHRB14	Tonearm Rest	(1)
	36 🔾	SFGK170-01	Сар	(1)
	36 ®	SFGK171F01	Cap	(1)
	37	SGXB60	Plate, Canceller	(1)
	38	SFXJBD2N51	Shaft, Lift Arm	(1)
			Lift Arm	(1)
	39	SFUMBD2N51		١.,
		SFUPBD2N51E	Arm Base	(1)
	39		Arm Base Spring	(1) (1)
	39 40	SFUPBD2N51E	Spring	(1)
	39 40 42	SFUPBD2N51E SUSB12		

Ref. No.	Part. No.	Description	
MECHAN	ISM PARTS		
51	SUKB4E	Mechanism Plate	(1)
52	SDWB1A	Turntable Shaft	(1)
53	SFYB-5-32	Ball	(1)
54	SFUBZ15R51	Plate, Drive	(1)
55	SFQHZ15R64	Spring, Drive Plate	(1)
56	SFUMZ15R56	Pin	(5)
57	SFUMZ15R54	Switch Lever (A)	(1)
58	SFUMBD2N52	Switch Lever (B)	(1)
59	SFUMZ15R59	Switch Lever (C)	(1)
60	SFQHZ15R62	Spring	(1)
61	SFUMZ15R52	Lever, Actuating	(1)
62	SFQSZ15R51	Rod, Actuating	(1)
63	SFUGZ15R51	Main Gear	(1)
64	SFURZ15R52	Rink (A), Main Gear	(1)
65	SFURZ15R51	Rink (B), Main Gear	(1)
66	SFUMZ15R61	Washer	
67	SHRB11	Cam, Cueing	(1)
68	SFQHZ15R63	Spring	(1) (1)
SCREWS			(.,
N1	SNSB1	Screw	(2)
N2	SFPEV0Q601	Screw, Cartridge	(1)
N3	XTV3+10G	Screw, ⊕3×10	(7)
N4	SFXGQ06N01	Screw	(2)
N5	XTV3+30J	Screw, ⊕3×30	
N6	XYC3+CG10	Screw, ⊕3×30	(1)
			(1) (1)
			(4)
N10	XTV3+16J	Screw, ⊕3×8	(1) (1)
N11	AT//3TeC	Saraw @3×6	(4)
N7 N8 N9 N10 N11 N12 N13	XTW3+14QFYR SNSB3 XYE3+EJ8 XTV3+16J XTV3+6G XTV3+8G XTW3+10Q	Screw, ⊕3×14 Screw Screw, ⊕3×8 Screw, ⊕3×16 Screw, ⊕3×6 Screw, ⊕3×8 Screw, ⊕3×10	
XTV3+6G XTV3+8G		Screw, ⊕3×6 Screw, ⊕3×8	(1) (2) (1)

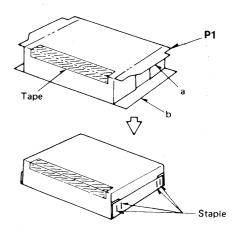
	Ref. No.	Part. No.	Description	
İ	ACCESSORIES			
Ч	A1 [M]	SQX53772	Instruction Book	(1)
	A1 [MC]	SQXLBD22-SMC	Instruction Book	(1)
I	A1 [EG]	SQX53803	Instruction Book	(1)
ll	A1 [Ei]	SQX53776	Instruction Book	(1)
U	A1 [other]		Instruction Book	(1)
1	(,		metra de tra de la constanta de	(' /
ı	A2	SFDHBD2N01	Output Cord	(1)
I	A3	SFDLJ11N01E	Ground Wire	(1)
I	A4	SFWE212-01	45 Adaptor	(1)
1	A5 /	∆SJA170	AC Cord	(1)
H	[M, MC]			
II	A5 [XL] /	\SJA163	AC Cord	(1)
11	A5 [EK]	SFDAC05G02	AC Cord	(1)
II	A5 [XA] A	\SJA168-1	AC Cord	(1)
Ц	A5 [other]∆1	SFDAC05E02	AC Cord	(1)
	A6 [XA] /	∆SJP9215	Adaptor	(1)
İ	PACKING PARTS			
4	P1 [M] ()	SPGB23	Carton Box	(1)
I	P1 [M] (K)	SPGB20	Carton Box	(1)
I	P1 [MC]()	SPGB24	Carton Box	(1)
II	P1 [MC]®		Carton Box	(1)
I	P1 [EF] ()		Carton Box	(1)
l	P1 [EF] ®	SPGB56	Carton Box	(1)
	P1 ()	SPGB57	Carton Box	(1)
I	[other]	or abor	Out on Box	(1)
4	P1 (K)	SPGB55	Carton Box	(1)
	P2	SPSB4	Pad, Left	(1)
j	P3	SPSB5	Pad, Right	(1)
ı	P4	SPEB3	Clamper, Turntable	(2)
I	P5	SPEB2	Clamper, Tonearm	(1)
I	P6	SPPB1	Polyethylene Bag, Dus	
		0,, 0,	Cover	(1)
	P7	SFYH60×60	Polyethylene Bag, Unit	(1)
-	P8	SFYF32A35	Polyethylene Bag, Turntable Mat	(1)
	P9	SFHDBD2N01	Pad, Turntable Mat	(1)
	P10	SPEB4	Pad, Tonearm Weight	

P2

■ PACKING



- 1. Place the unit (with cushions attached) as illustrated.
- 2. Fold the flaps according to the line marks.
- 3. Seal the top with adhesive tape.
 - Use gum tape or adhesive cloth tape of 50mm wide at least.
- 4. For the edges, first fold the flap "a" and then flap "b", and staple. Remember to staple only flap "b". (Use 15 or 16mm staple.)



• Stapling positions are shown below.

