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Service Manual

Turntable System

SL-1200MK5GT

Colour

Silver Type: SL-1200MK5



Please use this manual together with the service manual for Model No.SL-1200MK5E, Order No.AD0303064C0.

Specifications

TURNTABLE SECTION

Type:	Quartz direct drive Manual turntable
Drive method:	Direct drive
Motor:	Brushless DC motor
Turntable platter:	Aluminum diecast Diameter 33.2cm Mass 1.7kg
Turntable speeds:	33-1/3 r/min, 45 r/min
Variable range pitch:	±8%
Starting torque:	1.5kg-cm
Build-up characteristics:	0.7s, from standstill to 33-1/3 r/min
Braking system:	Electronic brake
Wow and flutter:	0.01% WRMS* 0.025% WRMS (JIS C5521) ±0.035% peak(IEC 98A Weighted)
Rumble:	-56dB (IEC 98A Unweighted) -78dB (IEC 98A Weighted)

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

TONEARM SECTION

Type:	Universal
Effective length:	230mm
Arm height adjustment range:	0-6 mm
Overhang:	15mm
Effective mass:	12g (without cartridge)
Offset angle:	22°
Friction:	Less than 7 mg (lateral, vertical)
Tracking error angle:	Within 2°32' [at the outer groove of 30cm record] Within 0°32' [at the inner groove of 30cm record]
Stylus pressure adjustment range:	0-4g

Technics

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Applicable cartridge weight range:	3.5-13g	GENERAL	
(with auxiliary weight);	11-20.5g (including headshell)	Power supply:	AC110V, 60Hz
	9.5-13g	Power consumption:	14W
(with shell weight);	17-20.5g (including headshell)	Dimensions (W×H×D):	45.3×17.2×35.5cm
	3.5-6.5g	Mass:	12kg
Headshell weight:	11-14g (including headshell)	Note:	
	7.5g	Specifications are subject to change without notice. Mass and dimensions are approximate.	

WARNING

This service information 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 information by anyone else could result in serious injury or death.

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1 Note

- This simplified service manual is provided to indicate the main differences between the original model no. SL-1200MK5(E,EB,GN,PP) and the subsequent model no. SL-1200MK5(GT).

2 Replacement Parts List

Note:

- All parts are supplied by **SPC**.
- Important safety notice:
- Components identified by  mark have special characteristics important for safety.
- Furthermore, special parts which have purposes of fireretardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.
- When replacing any of components, be sure to use only manufacture's specified parts shown in the parts list.

Ref. No.	Replacement Parts		Part Name & Description	Pcs	Remarks
	SL-1200MK5E	SL-1200MK5GT			
4	XTN26+6J	XTN26+6JFJ	SCREW	3	
14	XTN3+6J	XTN3+6JFJ	SCREW	4	
15	XWE3F6	XWE3F6FJ	WASHER	2	
17	XYN3+C6S	XYN3+C6FJ	SCREW	2	
18	RGN2485-K	RGN2833-K	NAME PLATE	1	
20	RMZ0584-1	---	BARRIER	-	
22	RMR1111B-K	RMR1111B-K1	OPERATION BASE	1	
35	XTV3+8G	XTV3+8GFJ	SCREW	1	
36	XUC3FY	XUC3FJ	WASHER	2	
49	SFUP122-03	SFUP122-03A	PLATE, LOCK OPERATION	1	
51	SFX0172-01-1	SFX0172-011	PIN, GUIDE	1	
52	SFXJ172-01	SFXJ172-01A	PIN, LOCK CANCELER	1	
53	SFXJ172-05	SFXJ172-05A	PIN	1	
55	XSN2+10	XSN2+10FJ	SCREW	2	
59	XWE3D8	XWE3D8FJ	WASHER	1	
60	XYN3+C15S	XYN3+C15FJ	SCREW	1	
63	SFMZQ20-09A	SFMZQ20-09A1	SHAFT ASS'Y	1	
65	SFUP122N11E	SFUP122T11E	AC CORD ASS'Y	1	
68	SFXG122-01	SFXG122-01A	SCREW	4	
69	SFXG122-02	SFXG122-02A	SCREW	11	
70	SFXG172-01	SFXG172-01A	SCREW	3	
71	SFXGQ20-021	SFXGQ20-02A	SCREW	3	
73	SNSB10	SNSB10-1	SCREW	3	
74	SNSB9-2	SNSB9-3	SCREW	6	
75	XTB3+10JFZ	XTB3+10JFJK	SCREW	4	

Ref. No.	Replacement Parts		Part Name & Description	Pcs	Remarks
	SL-1200MK5E	SL-1200MK5GT			
76	XTB3+8J	XTB3+8JFJ	SCREW	13	
77	XTN3+8JFZ	XTN3+8JFJK	SCREW	5	
78	XTV23+10G	XTV23+10GFJ	SCREW	1	
79	XTW3+15T	XTW3+15TFJ	SCREW	10	
80	XTW3+8T	XTW3+8TFJ	SCREW	4	
81	RYQ0418-S	RYQ0418-S1	ARM ASS'Y (S)	1	
83	SFEL026-01E1	SFEL026-01E2	GROUND WIRE	1	
86	SFPAB18201K1	SFPAB18201K4	TONE ARM FIXING PLATE	1	
87	SFPJL18202K	SFPJL18202A1	OIL DAMPER	1	
91	XTW26+6S	XTW26+6SFJ	SCREW	1	
93	SFPRT18201K	SFPRT18201K1	ARM LIFT	1	
94	SFPZB12201K	SFPZB12201K2	PLATE	2	
97	SFXG829-1	SFXG829-2	SCREW	1	
99	XTN3+8J	XTN3+8JFJ	SCREW	1	
100	XTW3+6T	XTW3+6TFJ	SCREW	3	
102	XUC5FY-V	XUC5FJ	WASHER	1	
104	SFPWG17201K	SFPWG17201K1	BALANCE WEIGHT	1	
107	XTB3+6JF	XTB3+6JFJK	SCREW	2	
108	XTW3+12TFZ	XTW3+12TFJK	SCREW	2	
110	XYE3+CJ25	XYE3+CJ25FJ	SCREW	1	
111	XYN3+C10S	XYN3+C10FJ	SCREW	2	
117	SFTE172-01Z1	SFTE172-01Z3	TURN TABLE ASS'Y	1	
118	SFUM172-055	SFUM172-054	PANEL COVER	1	
119	SFPCC31001K	SFPCC31001K1	HEAD SHELL K	1	
131	RQLA0263	SFUP015-13	CAUTION LABEL	1	
132	SFNZ10EC01	---	CAUTION LABEL	-	
133	RQLA0385	---	CAUTION LABEL	-	
134	SFNZ023S01	---	CAUTION LABEL	-	
137	RQLS0134-1	RQLS0347	CAUTION LABEL	1	
A1	RQT7016-E RQT7017-B	RQT8089-K	O/I BOOK	1	Chinese
A11	RGS0005Z	RGS0005Z-1	DISC SLIP SHEET ASS'Y	1	
A14	---	RQCS0526	CHINESE LABEL	1	
CN101	EMCS0360L	K1KA04BA0055	PLUG	1	
CN102	EMCS0460L	K1KA05BA0055	PLUG	1	
CN103	EMCS0760L	K1KA08BA0055	PLUG	1	
D1	D2SBA20	B0EBKM000025	DIODE	1	
D203,204	LN21CAL	LNG201CFA	LED	2	
D205,206	LN21CAL	LNG201CFA	LED	2	
F1	XBA2C025TB0	K5D251BL0001	FUSE	1	⚠
IC302	TC4011BP	C0JAAC000108	IC	1	
P1	RPG6584	RPG7571	PACKING CASE	1	
PCB6	SFDH122-10E1	SFDH122-10E3	PCB ASS'Y, OUTPUT	1	
S401	SFSDS2MSL-C	SFSDS2MSL-4	SW	1	
T1	SFDZ122S01E	SFDZ122S01E1	POWER TRANSFORMER	1	⚠