

Service Manual

Portable CD Player SL-S230



Please file and use this manual together with the service manual for Model No. SL-S230, Order No. AD9803046C1.

MASH *1
multi-stage noise shaping

Notes: • This simplified service manual is provided to indicate the differences between the original No. SL-S230 (P)(PC) and the subsequent model No. SL-S230 (EB)(EG)(GC)(GN).

Colour

(S) Sliver Type
(A) Blue Type

Areas

(EB) Great Britain.
(EG) Germany.
(GC) Asia, Latin America, Middle East and Africa.
(GN) Australia, New Zealand.

Traverse Deck: RAE0145Z Mechanism Series

Specifications

Audio

No. of channels: 2 channels (left and right, stereo)
Frequency response: 20 to 20,000 Hz (+0.5 dB to -1.5dB)
Output voltage: 0.6 V (50 kΩ)
S/N: more than 94 dB*2
Wow and flutter: Below measurable limit
DA converter: 1 bit, MASH*1
Headphones output level: max. 9 mW+9 mW/16 Ω (adjustable)

Pick up

Light source: Semiconductor laser
Wavelength: 780 nm

General

Operational temperature range: 0°C – 40°C (32°F – 104°F)
Rechargeable temperature range: 5°C – 40°C (41°F – 104°F)
Power supply: DC 4.5 V
Power consumption:

Power source	Anti-shock OFF/ON
AC adaptor	3.0 W/ 3.2 W
Battery (DC 3 V)	0.4 W/ 0.4 W

When recharging: 3.6 W

Play time:

When used in hold mode, at 25°C (77°F) temperature and on flat and stable surface.

Batteries used	Anti-shock OFF/ON	Area
2 alkaline batteries*3	About 20 h/ 20 h	All areas
Rechargeable batteries (P-3GAVE/2B)*3	About 10 h/ 10 h	(EB)(EG)
Rechargeable battery (P-3GAVT/2B)*3	About 10 h/ 10 h	(GC)(GN)
Rechargeable battery (SH-CDB8D)*3	About 6 h/ 6 h	All areas

• The play time may be less depending on the operating conditions.

Recharging time:

P-3GAVE/2B; About 5 h [for (EB)(EG) areas]
P-3GAVT/2B; About 5 h [for (GC)(GN) areas]
SH-CDB8D; About 3 h [for all areas]

Dimensions (W×H×D):

Weight: 128 × 27.8 × 144 mm
265 g with batteries
220 g without batteries

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

*1 **MASH** is a trademark of NTT.

*2 This specification was measured in Anti-shock OFF mode.

*3 These batteries are not included.

Replacement Parts List (Cabinet Parts)

Note: * [A]...Blue

Note: [A]...Blue

Ref. No.	Change of Parts No.		Part Name & Description	Remarks
	(P)	➡ (EB/EG/GC/GN)		
CABINET PARTS				
1	RFKJLS230P-S	RFKJLS230EBA	BOTTOM CABINET ASS'Y	(EB)
		RFKJLS230EGA		(EG)
		RFKJLS230GCS		(GC)
		RFKJLS230GNS		(GN)
7	_____	RYF0460-A	CD COVER ASS'Y	[A]

⚠ 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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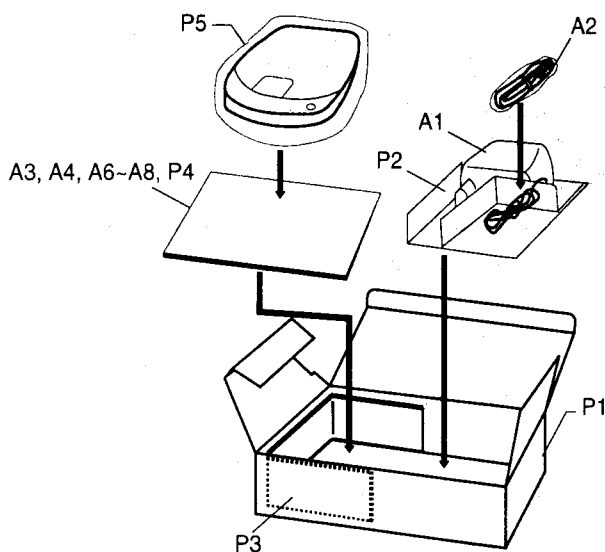
■ Replacement Parts List (Accessories and Packing Materials)

Notes:

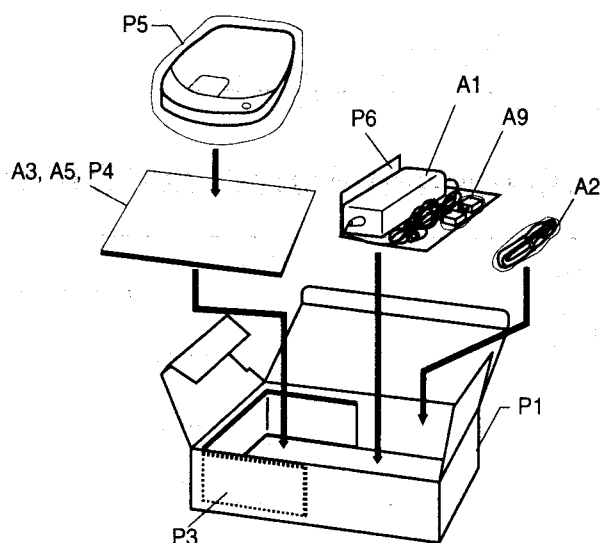
- * Important safety notice.
Components identified by  mark have special characteristics important for safety.
Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.
When replacing any of components, be sure to use only manufacture's specified parts shown in the parts list.
- * All parts are supplied by MESA.
- * The "<IA> <IB> <IC> <ID> <IE>" marks in Remarks indicate language of instruction manual.
 - <IA> : English
 - <IB> : English, Spanish, Chinese
 - <IC> : English, Spanish, Swedish
 - <ID> : German, Italian, French
 - <IE> : Dutch, Danish, Russian
- * [A]...Blue [S]...Silver

Ref. No.	Part No.	Part Name & Description	Pcs.	Remarks
ACCESSORIES				
△ A1	RFEA403A-S	AC ADAPTOR	1	(GN)
△ A1	RFEA403Z-S	AC ADAPTOR	1	(GC)
△ A1	RFEA403B-S	AC ADAPTOR	1	(EB)
△ A1	RFEA414E-M	AC ADAPTOR	1	(EG)
A2	RFEV317P-KS	STEREO HEADPHONES	1	
A3	RQCB0169	SERVICE CENTER LIST	1	
A4	RQT4324-B	OPERATING INSTRUCTIONS	1	(GN) <IA>
A5	RQT4331-K	OPERATING INSTRUCTIONS	1	(GC) <IB>
A6	RQT4325-E	OPERATING INSTRUCTIONS	1	(EG) <IC>
A7	RQT4327-D	OPERATING INSTRUCTIONS	1	(EG) <ID>
A8	RQT4328-H	OPERATING INSTRUCTIONS	1	(EG) <IE>
△ A9	SJP5213-1	PLUG	1	(GC)
PACKING MATERIALS				
P1	RPK0996	PACKING CASE	1	[S]
P1	RPK1045	PACKING CASE	1	[A]
P2	RPQ0753	SPACER	1	(EB)(EG)(GN)
P3	RPQ0836	PAD	1	
P4	RPF0046	PROTECTION BAG (F.B.)	1	
P5	RPF0111	PROTECTION BAG (UNIT)	1	
P6	RPQ0683	PAD	1	(GC)

■ Packaging



For (EB) (EG) (GN) areas



For (GC) area