

Service Manual



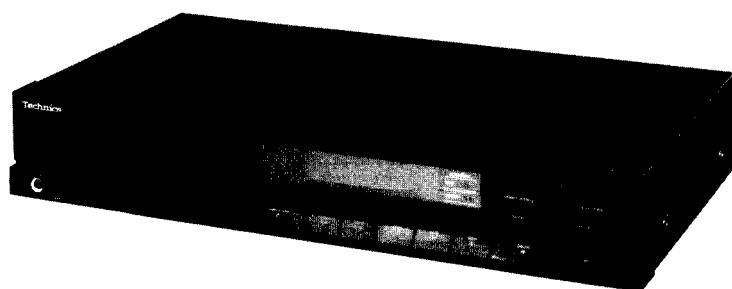
Compact Disc Player

Compact Disc Player

SL-P120

Color

(K) Black Type



Color	Areas
(K)	[M] U.S.A.
(K)	[MC] ... Canada.
(K)	[E] Switzerland and Scandinavia.
(K)	[EK] ... United Kingdom.
(K)	[XL] ... Australia.
(K)	[EG] ... F.R. Germany.
(K)	[EB] ... Belgium.
(K)	[EH] ... Holland.
(K)	[EF] ... France.
(K)	[Ei] Italy.
(K)	[XA] ... Asia, Latin America, Middle Near East, Africa and Oceania.
(K)	[XB] ... Saudi Arabia.
(K)	[PA] ... East PX.
(K)	[PE] ... European Military.
(K)	[PC] ... European Audio Club.

Please use this manual together with the service manual for Model No. SL-P320, Order No. HAD8702603C0.

Notes: ★ Mentioned in this service manual are the differences from Model No. SL-P320.

★ Please note the following major difference when servicing.

1. This product is not provided with remote control unit and remote control circuit on the main P.C.B.
2. This product is not provided with the numeric switches on the operation P.C.B.

Technics

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

Panasonic Sales Company,
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, Kauhū St. Ewa Beach
P.O. Box 774
Honolulu, Hawaii 96808-0774

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

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka Japan

Panasonic Tokyo Office
Matsushita Electric Trading Co., Ltd.
6th Floor, World Trade Center Bldg.,
No. 4-1, Hamamatsu-cho 2-Chome,
Minato-ku, Tokyo 105, Japan

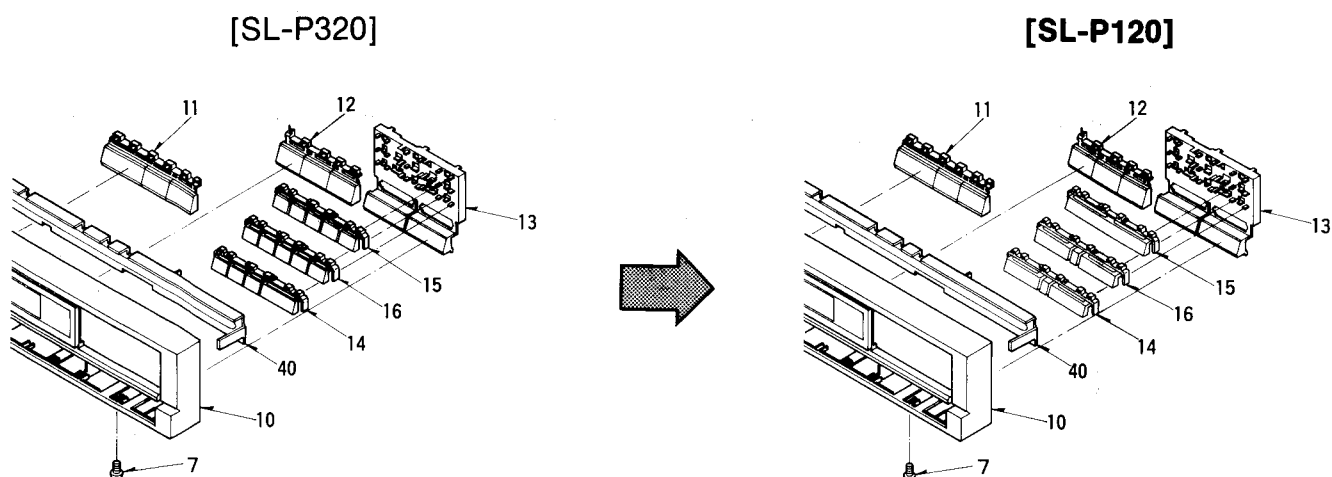
CHANGES

■ REPLACEMENT PARTS LIST

Note: Mentioned in this parts list are only those parts different from Model No. SL-P320.
All other parts are the same as for Model No. SL-P320.

Ref. No.	Change of Part No.		Part Name & Description
	SL-P320 (K)	SL-P120 (K)	
[INTEGRATED CIRCUITS]			
IC801	SVIPCM54JP	SVIPCM54HP	I.C., D/A CONVERTER
[CABINET AND CHASSIS]			
9 (E)	SGPLP320-KE	SGPLP120-KE	CHASSIS
(EB, EH, EF, Ei)	SGPLP320-KEB	SGPLP220-KEB	CHASSIS
(EG)	SGPLP320-KEG	SGPLP120-KEG	CHASSIS
(EK)	SGPLP320-KEK	SGPLP120-KEK	CHASSIS
(M)	SGPLP320-KM	SGPD670ZF0B	CHASSIS
(MC)	SGPLP320-KMC	SGPLP120-KMC	CHASSIS
(PA, PE, PC)	SGPLP320-KPA	SGPLP120-KPA	CHASSIS
(XA)	SGPLP320-KXA	SGPLP120-KXA	CHASSIS
(XB)	SGPLP320-KXB	SGPLP120-KXB	CHASSIS
(XL)	SGPLP320-KXL	SGPLP120-KXL	CHASSIS
10	SGYLP320-KM	SGYLP120-KM	FRONT PANEL ASS'Y
14	SBCD4620ZK0B	SBCD4630ZK0C	BUTTON MEMORY
15	SBCD4610ZK0C	SGXD3070ZK0B	KNOB HEADPHONES
16	SBCD4610ZK0D	SBCD4630ZK0D	BUTTON TIME
[PACKINGS]			
P1 (MC)	SPND203	SPND199	CARTON BOX
P1 (EF)	SPND204	SPND200	CARTON BOX
P1 (others)	SPND202	SPND198	CARTON BOX
[ACCESSORIES]			
A1 (M)	SQUD210	SQUD201	INSTRUCTION MANUAL
(XL, XA)	SQUD212	SQUD203	INSTRUCTION MANUAL
(EG)	SQUD214	SQUD205	INSTRUCTION MANUAL
(EF)	SQUD215	SQUD206	INSTRUCTION MANUAL
(Ei)	SQUD216	SQUD207	INSTRUCTION MANUAL
(EK)	SQUD217	SQUD208	INSTRUCTION MANUAL
(E, EB, EH)	SQULP320-KE	SQULP120-KE	INSTRUCTION MANUAL
(MC)	SQULP320-KMC	SQULP120-KMC	INSTRUCTION MANUAL
(PA, PE, PC)	SQULP320-KPA	SQULP120-KPA	INSTRUCTION MANUAL
(XB)	SQULP320-KXB	SQULP120-KXB	INSTRUCTION MANUAL
[INTEGRATED CIRCUITS]			
IC404	MN1550P0T	—	MICRO COMPUTER
IC602 (M, MC)	SVIBX1438M	—	REMOTE RECEIVER
IC602 (others)	SVIBX1439E	—	REMOTE RECEIVER
[DIODES]			
D407	MA165	—	DIODE
D409-411	MA165	—	DIODE
D415-418	MA165	—	DIODE
[SWITCHES]			
S411-420	EVQQS405K	—	PROGRAM SWITCHES
[RESISTORS]			
R423	ERDS2TJ103	—	CARBON
R424	ERDS2TJ473	—	CARBON
R429-432	ERDS2TJ222	—	CARBON
[ACCESSORIES]			
A5 (M, MC)	UM-3NEP	—	BATTERY
A5 (others)	UM-3NE	—	BATTERY
[CAPACITORS]			
C406	ECCD1H220K	—	CERAMIC

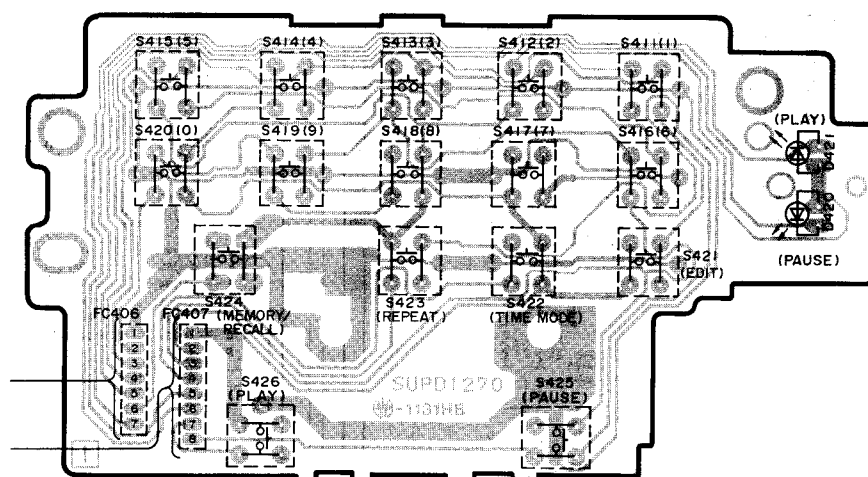
■ EXPLODED VIEWS



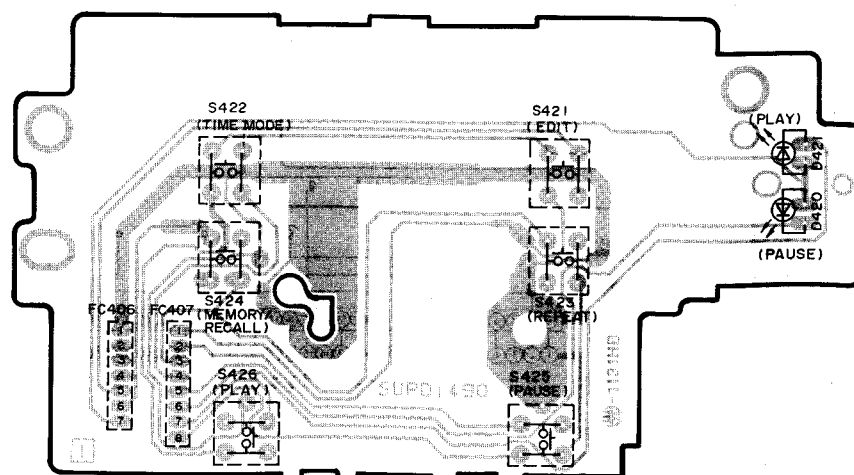
■ PRINTED CIRCUIT BOARD AND WIRING CONNECTION DIAGRAM

• OPERATION P.C.B.

[SL-P320]



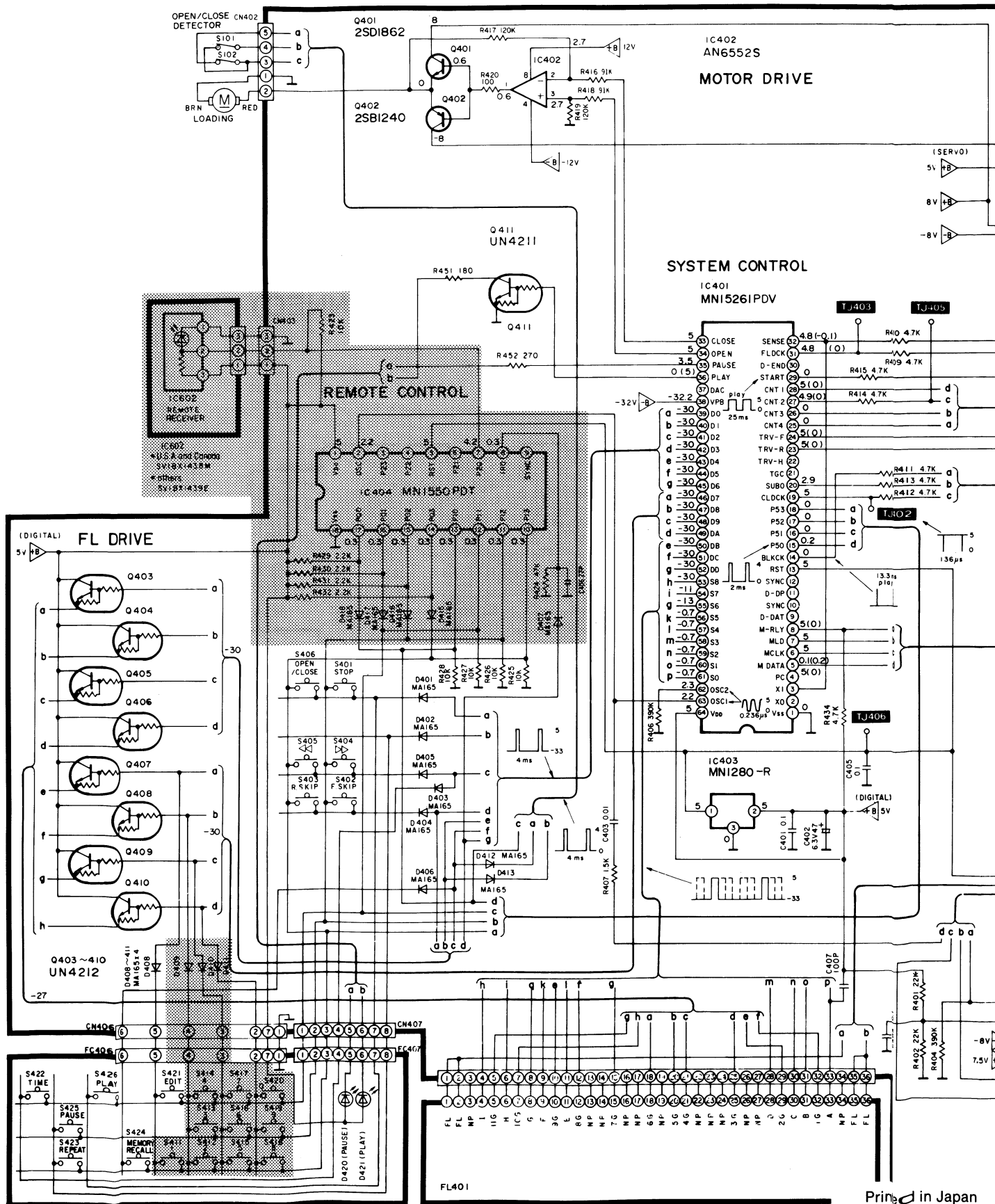
[SL-P120]



■ SCHEMATIC DIAGRAM

Note: This product is not provided with the parts in the following 2 circuitry in the shaded area.

1. Remote control circuit on the main P.C.B.
2. Numeric switches on the operation P.C.B.



Service Manual

Supplement

COMPACT
disc
DIGITAL AUDIO

DIGITAL

Compact Disc Player
SL-P120

Color

(K) Black Type

Please file and use this supplement manual together with the service manual for Model No. SL-P120, Order No. HAD8703023A0.

Note:

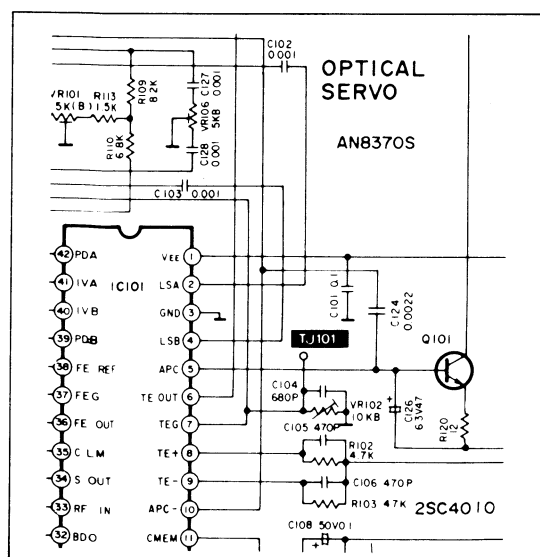
- This supplement has been issued to inform you that the optical servo circuit has been changed in units having serial number suffixes "C" or later. (Refer to "How to read the serial number" on page 2.)

CHANGES

SCHEMATIC DIAGRAM

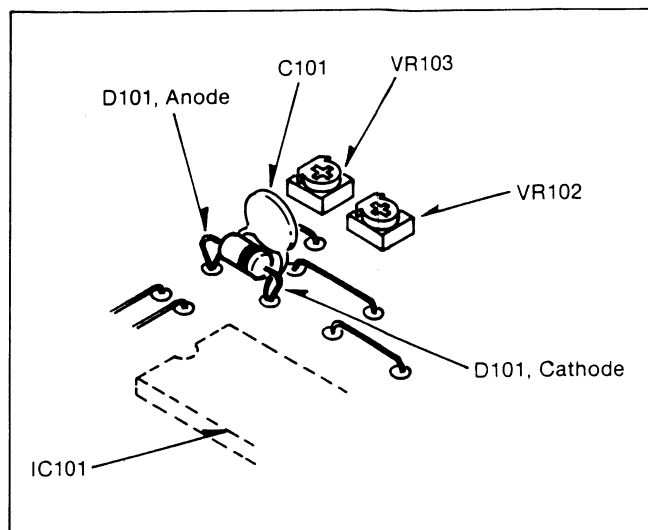
Note: D101 (Diode, Schottky) has been added to improve the efficiency of the laser diode.

(OLD)



■ REPLACEMENT OF DIODE (D101)

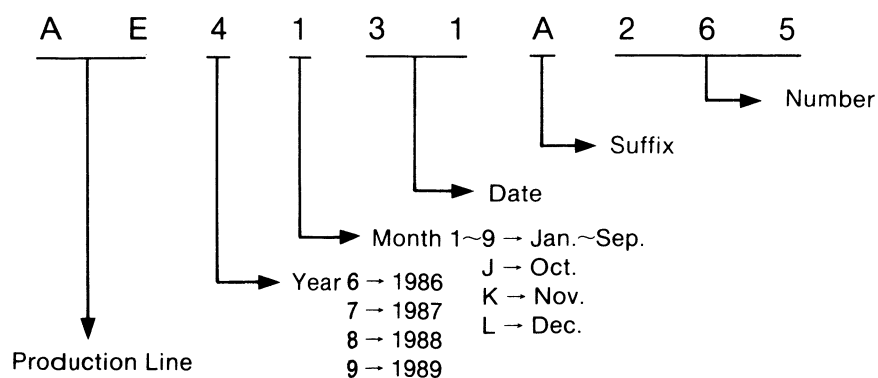
•As shown in the figure, the diode has been added on the parts side of the main P.C.B.



■ REPLACEMENT PARTS LIST

Ref. No.	Change of Part No.		Part Name & Description	Remarks
	OLD	➡ NEW		
DIODE				
D101		MA723	Diode, Schottky	Addition

■ HOW TO READ THE SERIAL NUMBER



Service Manual

Compact Disc Player

**DIGITAL****SL-P120**

Compact Disc Player

Color

(S)..... Silver Type

Color	Areas
(S)	[MC] ... Canada.
(S)	[E] Switzerland and Scandinavia.
(S)	[EG] ... F.R. Germany.
(S)	[EB] Belgium.
(S)	[EH] Holland.
(S)	[EF] France.
(S)	[Ei] Italy.
(S)	[EK] United Kingdom.
(S)	[XL] Australia.
(S)	[XB] Saudi Arabia.
(S)	[XA] Asia, Latin America, Middle Near East, Africa and Oceania.

Please use this manual together with the service manual for Model No. SL-P120, Order No. HAD8703023A0.

CHANGES

■ REPLACEMENT PARTS LIST

Note: Mentioned in this parts list are only those changed in Model No. SL-P120. (Black Type)

Ref. No.	Change of Part No.		Part Name & Description
	SL-P120 (K)	➡ SL-P120 (S)	
[CABINET AND CHASSIS]			
2	SBC666-5	SBC666	BUTTON, POWER
4	SKCD40KZ	SKCD40SY	TOP COVER
8	SNE2129-1	SNE2129	SCREW
10	SGYLP120-KM	SGYLP120-SE	FRONT PANEL
11	SBCD4590ZK0B	SBCD4590MA0A	BUTTON, OPEN
12	SBCD4600ZK0B	SBCD4600MA0A	BUTTON, STOP
13	SBCD4580ZK0B	SBCD4580MA0A	BUTTON, PLAY
14	SBCD4630ZK0C	SBCD4630MA0A	BUTTON, REPEAT

Ref. No.	Change of Part No.		Part Name & Description
	SL-P120 (K)	→ SL-P120 (S)	
15	SGXD3070ZK0B	SGXD3070MA0A	ORNAMENT PLATE
16	SBCD4630ZK0D	SBCD4630MA0B	BUTTON, TIME
17	SBN1161-2	SBN1161-3	KNOB, HEADPHONES
[LOADING MECHANICAL]			
101	SGXD3080ZK0B	SGXD3080MA0A	ORNAMENT PLATE
[PACKING]			
P1	SPND198	SPND211	CARTON BOX
P1 [EF]	SPND200	SPND212	CARTON BOX
P1 [MC]	SPND199	SPND220	CARTON BOX

Technics

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka JapanMatsushita Electric
of Canada Limited
5770 Ambler Drive, Mississauga,
Ontario, L4W 2T3Printed in Japan
870310200©TK