

# Service Manual

Portable CD Player

## SL-XP470

Colour

(K)... Black Type

Simplified

**COMPACT**  
**disc**  
 DIGITAL AUDIO

**DIGITAL**  
**MASH\***  
 multi-stage noise shaping


### Area

Suffix for Model No.	Area	Colour
(E)	Europe.	(K)
(EB)	Great Britain.	
(EG)	Germany and Italy.	
(GC)	Asia, Latin, America, Middle Near East and Africa.	
(GN)	Oceania.	

- ※
- Technics (or Panasonic) developed the world's first MASH type DAC and ADC. MASH technology was invented by NTT (LSI Labs).
  - MASH is a trademark of NTT.

Please file and use this manual together with the service manual for Model No. SL-XP370, Order No. AD9407215C8.

**Note:** • This simplified service manual is provided to indicate the main differences between the original model No. SL-XP370 (E) and the subsequent model No. SL-XP470C (E, EB, EG, GC, GN).

## CHANGES

### ■ SPECIFICATIONS

SL-XP370 (E)

#### ■ General

**Power requirement:** Rechargeable Batteries; DC 2.4V with an optional Panasonic Rechargeable Batteries (SH-CDB8D) × 2



SL-XP470 (E, EB, EG, GC, GN)

#### ■ General

**Power requirement:** Rechargeable Batteries; DC 2.4V with an included Panasonic rechargeable Batteries (RP-BP60) × 2

### ■ CHANGE IN REPLACEMENT PARTS LIST (SL-XP370 Service Manual: Pages 31, 32, 34, 35)

- Notes**
- Mentioned in this parts list is only those different from Model No. SL-XP370 (E). All other parts are the same as for SL-XP370 (E).
  - Important safety notice: Components identified by  $\Delta$  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 manufacturer's specified parts shown in the parts list.

#### $\Delta$ 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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Ref. No.	Change of Part No.		Part Name & Description	Remarks
	SL-XP370 (E)	SL-XP470 (E, EB, EG, GC, GN)		
<b>TRANSISTOR(S)</b>				
Q303	—	2SD1819QRSTX	TRANSISTOR	Addition
Q305	—	UN5114TX	TRANSISTOR	Addition
Q909	—	2SD1819QRSTX	TRANSISTOR	(GC, GN) Addition
Q910	—	2SB1218QRSTX	TRANSISTOR	(GC, GN) Addition
Q911	—	2SD1819QRSTX	TRANSISTOR	(GC, GN) Addition
Q912	—	UN5211TX	TRANSISTOR	(GC, GN) Addition
Q913	—	FMG4T148	TRANSISTOR	(GC, GN) Addition
<b>DIODE(S)</b>				
D306-311	—	SML-010MTT87	L.E.D.	Addition
D314, 315	—	SML-010MTT87	L.E.D.	Addition
D901	MA141WKTX	MA141WKTX	DIODE	(E, EB, EG)
		—	DIODE	(GC, GN) Deletion
<b>LCD(S)</b>				
LCD301	RSL5112-L	RSL5114-L	LCD	
<b>RESISTOR(S)</b>				
R305, 306	—	ERJ6GEYJ331V	1/10W 330	Addition
R307	ERJ6GEYJ182V	ERJ6GEYJ182V	1/10W 1.8K	(E, EB, EG)
		—	1/10W 1.8K	(GC, GN) Deletion
R315-319	—	ERJ3GEYJ151V	1/16W 150	Addition
R325	—	ERJ6GEYJ331V	1/10W 330	Addition
R328	—	ERJ6GEYJ122V	1/10W 1.2K	Addition
R907-909	ERJ6GEYJ224V	ERJ6GEYJ224V	1/10W 220K	(E, EB, EG)
		—	1/10W 220K	(GC, GN) Deletion
R912	—	ERJ6GEYJ682V	1/10W 6.8K	(GC, GN) Addition
R913	—	ERJ3GEYJ473V	1/16W 47K	(GC, GN) Addition
R914	—	ERJ6GEYJ223V	1/10W 22K	(GC, GN) Addition
R915	—	ERJ6GEYJ273V	1/10W 27K	(GC, GN) Addition
R920	ERJ6GEYJ101V	ERJ6GEYJ101V	1/10W 100	(E, EB, EG)
		ERJ6GEYJ331V	1/10W 330	(GC, GN)
<b>CHIP JUMPERS</b>				
RJ301	—	ERJ3GEY0R00V	CHIP JUMPER	Addition
RJ302	—	ERJ3GEY0R00V	CHIP JUMPER	(GC, GN) Addition
RJ905	—	ERJ3GEY0R00V	CHIP JUMPER	(GC, GN) Addition
RJ906	—	ERJ6GEY0R00V	CHIP JUMPER	(GC, GN) Addition
RJ908, 909	—	ERJ6GEY0R00V	CHIP JUMPER	(GC, GN) Addition
<b>CABINET AND CHASSIS</b>				
8	RFKJLXP370E	RFKJLXP470E	BOTTOM CABINET ASS'Y	(E)
		RFKJLXP470EB	BOTTOM CABINET ASS'Y	(EB, GC, GN)
		RFKJLXP470EG	BOTTOM CABINET ASS'Y	(EG)
13	RYF0284G-K	RYF0284C-K	CD COVER ASS'Y	
17	RFKJLXP370E	RFKJLXP470E	INTERMEDIATE CABINET ASS'Y	
19	RYQ0126A-K	RYQ0126-K	OPERATION BUTTON (1) ASS'Y	
<b>PACKING MATERIAL</b>				
P1	RPK0506	RPK0500	PACKING CASE	
P4	SQZD3	SQZD3	AREA LABEL	(E)
		SQZD7	AREA LABEL	(EB)
		SQZD6	AREA LABEL	(EG)
		RQLA0066	AREA LABEL	(GC)
		RQLA0067	AREA LABEL	(GN)
<b>ACCESSORIES</b>				
A1	RFKSLXP370E	RFKSLXP370E	INSTRUCTION MANUAL ASS'Y	(E)
		RQT2570-B	INSTRUCTION MANUAL	(EB, GN)
		RFKSLXP370EG	INSTRUCTION MANUAL ASS'Y	(EG)
		RFKSLXP470GC	INSTRUCTION MANUAL ASS'Y	(GC)

Ref. No.	Change of Part No.		Part Name & Description	Remarks
	SL-XP370 (E)	SL-XP470 (E, EB, EG, GC, GN)		
A2	RQA0013	RQA0013	WARRANTY CARD	(E, EB, EG)
		RQX7433ZA	WARRANTY CARD	(GN)
A4	RP-HT103DTYS	RFEV124ACKS	STEREO EARPHONES	(E, EB, EG)
		RFEV123ACKS	STEREO EARPHONES	(GC, GN)
A5	—	RKB205ZA-O	EAR PADS	Addition
A6	RFEA401E-1S	RFEA401E-1S	AC ADAPTOR	(E, EG) Δ
		RFEA404B-W	AC ADAPTOR	(EB) Δ
		RFEA402Z-W	AC ADAPTOR	(GC) Δ
		RFEA404A-W	AC ADAPTOR	(GN) Δ
A7	—	RJP120ZDS-K	POWER PLUG ADAPTOR	(GC) Δ Addition
A8	—	RJPL2P001X10	STEREO CONNECTION CABLE	Addition
A9	—	RP-BP60EYSA	RECHARGEABLE BATTERY	(E, EB, EG) Addition
		RP-BP60SYSA	RECHARGEABLE BATTERY	(GC, GN) Addition
A9-1	—	RFKNLS370-K	R. BATT CARRYING CASE	Addition
<PRINTED CIRCUIT BOARD ASS'Y>				
PCB1	REP1905B-M	REP1905D-M	MAIN P.C.B. ASS'Y	(E, EB, EG) (RTL)
		REP1905A-M	MAIN P.C.B. ASS'Y	(GC, GN) (RTL)

**Note:** • The marking (RTL) indicates that the Retention Time is limited for this item. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention.

After the end of this period, the assembly will no longer be available.

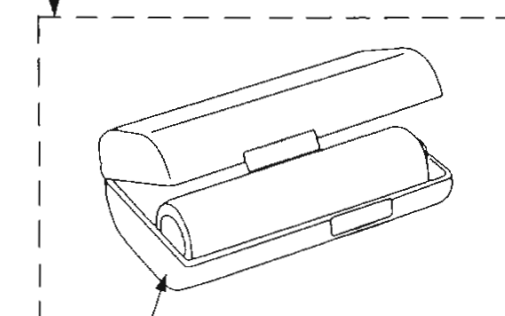
## ■ SUPPLY OF RECHARGEABLE BATTERY AS REPLACEMENT PARTS

Please take note of the following points relating to Carrying Case to be used for protection of Rechargeable Battery from shorting.

Replacement Parts:

- Rechargeable Battery as accessories are supplied in units of 2 pieces. (With a Carrying Case)
- Rechargeable Battery as replacement parts are supplied in unit of 1 piece. [With a Carrying Case (RFKNLS370-K)]
- Rechargeable Battery (RP-BP60ESYA) [For (E, EB, EG) areas.]/ (RP-BP60SYSA) [For (GC, GN) areas.] to be supplied will be provided with Carrying Case (RFKNLS370-K).
- No replacement parts will be supplied for Rechargeable Battery without Carrying Case.
- Replacement parts will be supplied for Carrying Case (RFKNLS370-K) without Rechargeable Battery.
- To your customers, delivery Rechargeable Battery together with Carrying Case to prevent shorting accidents that may occur when Rechargeable Battery is carried about without Carrying Case.

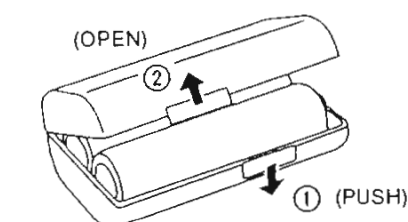
A9 (RP-BP60EYSA) [For (E, EB, EG) areas.]/  
(RP-BP60SYSA) [For (GC, GN) areas.]  
(Rechargeable Battery with Carrying Case)



RFKNLS370-K (Carrying Case)

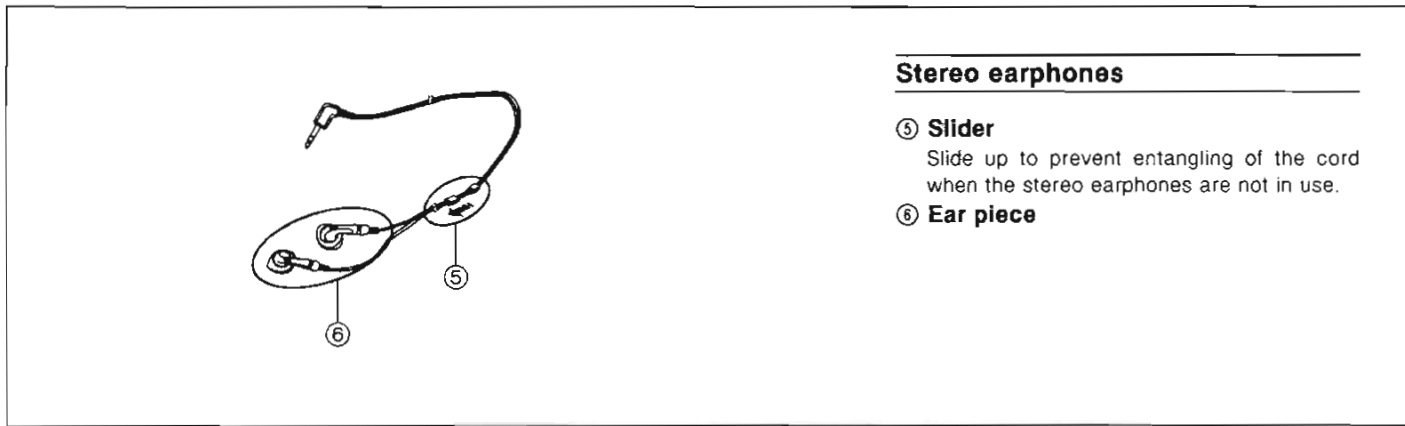
## ■ CAUTION IN USE OF RECHARGEABLE BATTERY

- Take Rechargeable Battery out of Carrying Case and use it.
- Be sure to carry Rechargeable Battery in this Carrying Case. If not, it may either heat or ignite by shorting with a metal.



## LOCATION OF CONTROLS (SL-XP370 Service Manual: Page 3)

SL-XP370 (E)

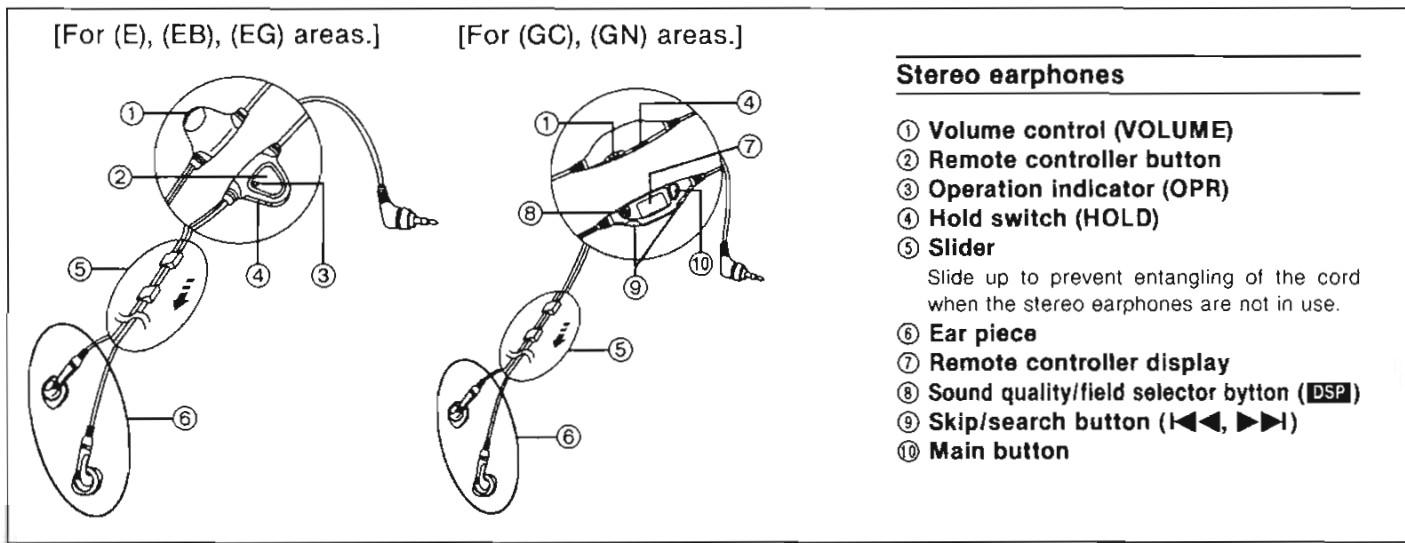


### Stereo earphones

- ⑤ **Slider**  
Slide up to prevent entangling of the cord when the stereo earphones are not in use.
- ⑥ **Ear piece**



SL-XP470 (E, EB, EG, GC, GN)




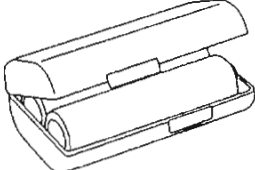
### Stereo earphones

- ① **Volume control (VOLUME)**
- ② **Remote controller button**
- ③ **Operation indicator (OPR)**
- ④ **Hold switch (HOLD)**
- ⑤ **Slider**  
Slide up to prevent entangling of the cord when the stereo earphones are not in use.
- ⑥ **Ear piece**
- ⑦ **Remote controller display**
- ⑧ **Sound quality/field selector button (DSP)**
- ⑨ **Skip/search button (◀◀, ▶▶)**
- ⑩ **Main button**

## ADDITION

### ACCESSORIES

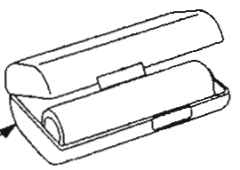
SL-XP470 (E, EB, EG, GC, GN)

<p>A8 Stereo connection cable..... 1 pc. (RJL2P001X10)</p> 	<p>• Rechargeable battery as accessories are supplied in units of 2 pieces. (With a carrying case)</p> 
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### NOTE REPLACEMENT PARTS

- Rechargeable battery as replacement parts are supplied in unit of 1 piece.  
(With a carrying case)

A9 Rechargeable battery  
(RP-BP60EYSA) [For (E, EB, EG) areas.]/  
(RP-BP60SYSYA) [For (GC, GN) areas.]



A9-1 Rechargeable battery carrying case  
(RFKNLS370-K)



