

SERVICE MANUAL
COMPACT PHOTO PRINTER
SELPHY CP770
SELPHY CP760

- English Edition -

GENERAL DESCRIPTION
OF PRODUCT

DISASSEMBLY

ADJUSTMENT

READ ME



GENERAL DESCRIPTION OF PRODUCT

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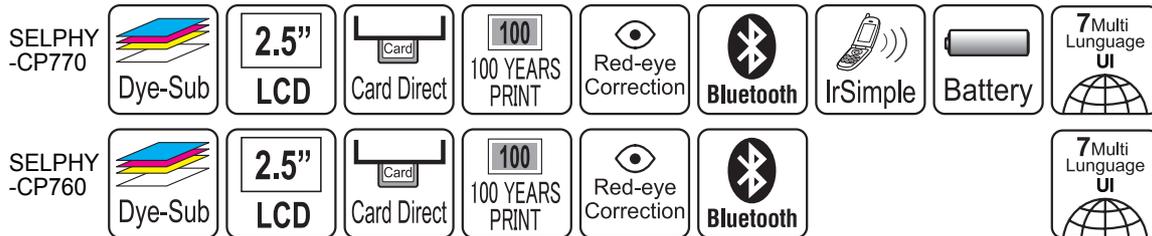
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1 Overview

SELPHY-CP770 is the flagship model of the new CP series that incorporates the concept of a design for everyday use and a storage solution, targeting the user group of young families. The SELPHY-CP760 succeeds the CP series design. In order to reach a wide range of users, efforts have been made to improve the user friendliness, and functions have been added.



1-1 Summary of Main Features

Text highlighted in red: New features introduced with the SELPHY-CP770/CP760

Text highlighted in blue: Differences from the SELPHY-CP750/CP740

High Image Quality

- Dye-sublimation system provides exceptional gradations
- High resolution of 300 × 300 dpi
- Durable protective print overcoating (up to 100 years print life when stored in a photo album*)
 - * Based on accelerated testing, assuming image is stored in an album at 23°C/ 50% R.H.
- Images are analyzed with Face Fine Print to provide the best correction
 - When printing directly from a memory card / printing from a camera with PictBridge
 - Using the face detection function to correct face brightness
 - Partial Contrast Correction
- Red-eye correction
- Adobe RGB support

Full Featured

Printing Features

- Direct print (from a memory card) support
 - A variety of memory cards can be used without an adapter:
 - CompactFlash, Microdrive, SD, miniSD, SDHC, miniSDHC, MMC, MMCplus, **HC MMCplus**, MMCmobile, RS-MMC, Memory Stick, Memory Stick PRO, Memory Stick Duo, Memory Stick PRO Duo
 - Active slot is indicated on the LCD monitor
 - Printing modes: **Standard print**, Print all images, DPOF print

- Improved operability of DPOF print (a printing confirmation message is displayed when images with the DPOF settings are recognized)
- My Colors: B/W, Sepia, Vivid, Neutral, Positive Film
- Layouts: 1 / 2 / 4 / 8-up layout and Index print
- Direct print (from a camera) support
 - Changes the default connection to PictBridge
 - Canon Direct Print connection
- Wireless printing
 - Bluetooth*
 - * Bluetooth unit BU-30 (sold separately) required
 - Infrared data communication (SELPHY-CP770)
 - Compatible with existing IrDA and high-speed IrSimple
- Computer connection supported
 - Compact Photo Printer Solution Disk included in the printer kit
- Date print
- Supports DPOF standard and index print modes
- Borderless or bordered print

Easy Operation

- Improved operation panel for intuitive operation
 - Available languages for the operation panel: English and Japanese
 - Independent Print button
 - Newly added Back button
- Greatly improved UI display
 - UI display available in 7 languages (Japanese, English, French, Italian, German, Spanish, Simplified Chinese)
 - Each error message contains a possible solution

Paper, Ink, Paper Cassettes

- Paper cassettes greatly improved for operability
 - Postcard size: PCP-CP300, L size: PCL-CP300, card size: PCC-CP300
 - Necessary operations are indicated on the paper cassette by illustrations
- Supports four print sizes*
 - Postcard size, L size, card size, wide size
 - * Because the included paper cassette types differ depending on product destination, it may be necessary to purchase additional paper cassettes (sold separately) for other paper sizes
 - Postcard size paper with blank reverse side: KP-72IN (72 prints), KP-108IN (108 prints)
- Ink and paper cassettes are compatible with previous models (for SELPHY CP Series only)
- Accepts full-sized label paper (card size) for printing photos to labels
- Supports setting of 8-up label paper (card size) for casual use, such as for mini stickers, etc.

Others

- Higher quality and high speed printing from a memory card or a camera with PictBridge
- LCD monitor
 - 2.5-inch type TFT color LCD monitor
- Basket-type accessory storage case (SELPHY-CP770)
- Compact power adapter CA-CP200 (white)*, which color matches with the printer
 - * Specifications are the same as those of CA-CP200
- Battery powered operation (SELPHY-CP770)
 - Battery Pack NB-CP2L (sold separately)
- Equipped with a tripod socket* (optional)
 - * Support for displays at dealers

Design

- The SELPHY-CP770's attractive design benefits the daily life of a young family with small children. A "basket" has been adopted for storage. The SELPHY-CP760 succeeds the CP series design, and is increasingly popular with a wide range of users.

1-2 Comparison of Main Features

• SELPHY-CP770 and SELPHY-CP750

* Highlighted table items indicate changes from the SELPHY-CP750. Text in red shows changes. Conditions may apply depending on items (for details, see 3-1 Product Specifications).

		SELPHY-CP770	SELPHY-CP750	
Printing Method		Dye-sublimation thermal print method (with overcoating)		
General Specifications	Resolution	300 × 300 dpi		
	Gradation	256 shades per color		
	Ink	Dedicated ink cassette (Y, M, C and overcoating)		
	Paper	Dedicated paper Postcard size (with an address field) KP-36IP Postcard size (blank reverse side) KP-72IN, KP-108IN L size KL-36IP Card size KC-36IP Card size (with full page label sheets) KC-18IF Card size (with 8-label sheets) KC-18IL Wide size KW-24IP	Dedicated paper Postcard size KP-36IP L size KL-36IP Card size KC-36IP Card size (with full page label sheets) KC-18IF Card size (with 8-label sheets) KC-18IL Wide size KW-24IP	
	Feeding System	Automatic paper feed from the paper cassette		
	Ejection System	Automatic paper ejection on top of the paper cassette		
	Print Size	Postcard size, borderless: 100.0 x 148.0 mm (3.94 x 5.83 in.) Postcard size, bordered: 91.3 x 121.7 mm (3.59 x 4.79 in.) L size, borderless: 89.0 x 119.0 mm (3.50 x 4.69 in.) L size, bordered: 78.8 x 105.1 mm (3.10 x 4.14 in.) Card size, borderless (including label sheets): 54.0 x 86.0 mm (2.13 x 3.39 in.) Card size, bordered (including label sheets): 49.9 x 66.4 mm (1.96 x 2.61 in.) 8-label sheets (per 8-label sheet): 22.0 x 17.3 mm (0.87 x 0.68 in.) Wide size, borderless: 100.0 x 200.0 mm (3.94 x 7.87 in.) Wide size, bordered: 91.3 x 121.7 mm (3.59 x 4.79 in.)		
	Printing Specifications (Direct Printing from a memory card)	Standard print (Single image print + Multiple image print at one time + Multiple copies of a single image) Print all images (All image print, number of copies selectable) DPOF image print Borderless/Bordered print Date print File no. print Layout print (2-up/4-up/8-up layout) Index print	Single image print Multiple image print at one time Number of prints settings (multiple image print) All image print DPOF image print Borderless/Bordered print Date print File no. print Layout print (2-up/4-up/8-up layout) Index print	
	Image processing	My Colors (B/W, Sepia, Vivid, Neutral, Positive Film), Red-eye Correction		
	Image Quality Adjustment	Face Fine Print (face detection, Partial Contrast Correction) • Optimize automatically with the camera when printing using Canon Direct Print Adobe RGB support	Automatic dynamic-range correction • Optimize automatically with the camera when printing using Canon Direct Print Adobe RGB support	
Interface	Card Slots	Three slots • Images can be viewed on the LCD monitor of printer		
	Supported memory cards	Without adapter	CompactFlash, Microdrive, SD, miniSD, SDHC, miniSDHC, MMC, MMC <i>plus</i> , HC MMC <i>plus</i> , MMC <i>mobile</i> , RS-MMC, Memory Stick, Memory Stick PRO, Memory Stick Duo, Memory Stick PRO Duo	
		Via adapter	microSD, microSDHC, MMC <i>micro</i> , xD-Picture Card, Memory Stick Micro	
	External	Format	USB	
		Connection (cable)	PictBridge compliant camera/Canon Direct Print compliant camera: USB compliant Type A connector Connecting with computer: USB compliant Type B connector	Canon Direct Print compliant camera/PictBridge compliant camera: USB compliant Type A connector, Retractable USB cable (in the printer) * mini-B plug, approx. 30 cm (12 in.) Connecting with computer: USB compliant Type B connector
Wireless	Infrared data communication (IrDA, IrSimple) Bluetooth • Bluetooth Unit BU-30 (sold separately) required	Infrared data communication (IrDA, IrSimple) Bluetooth • Bluetooth Unit BU-20 (sold separately) required		
Product Specifications	LCD Monitor	2.5-inch type, TFT color LCD	2.4-inch type, TFT color LCD	
	Operating Environment	5 – 40°C, 20 – 80% RH		
	Power Source	Compact Power Adapter CA-CP200 (white) Battery Pack NB-CP2L	Compact Power Adapter CA-CP200 Battery Pack NB-CP2L	
	Power Consumption	60 W or less (4 W or less when in idle)		
	Dimensions (excluding protrusions)	Printer only: 248.0 x 156.4 x 77.3 mm (9.76 x 6.16 x 3.04 in.) With basket (storage case): 276.0 x 174.0 x 205.8 mm (10.9 x 6.85 x 8.10 in.)	179.0 x 127.1 x 63.0 mm (7.05 x 5.00 x 2.48 in.)	
	Weight (printer only)	Printer only: Approx. 1060 g (37.4 oz.) Basket (storage case): Approx. 410g (14.5oz.)	Approx. 960 g (33.9 oz.)	
Others	Basket storage available, UI display in 7 languages		–	

• SELPHY-CP760 and SELPHY-CP740

• Highlighted table items indicate changes from the SELPHY-CP740. Text in red shows changes. Conditions may apply depending on items (for details, see 3-1 Product Specifications).

		SELPHY-CP760	SELPHY-CP740	
Printing Method		Dye-sublimation thermal print method (with overcoating)		
General Specifications	Resolution	300 × 300 dpi		
	Gradation	256 shades per color		
	Ink	Dedicated ink cassette (Y, M, C and overcoating)		
	Paper	Dedicated paper Postcard size (with an address field) KP-36IP Postcard size (blank reverse side) KP-72IN, KP-108IN L size KL-36IP Card size KC-36IP Card size (with full page label sheets) KC-18IF Card size (with 8-label sheets) KC-18IL Wide size KW-24IP	Dedicated paper Postcard size KP-36IP L size KL-36IP Card size KC-36IP Card size (with full page label sheets) KC-18IF Card size (with 8-label sheets) KC-18IL Wide size KW-24IP	
	Feeding System	Automatic paper feed from the paper cassette		
	Ejection System	Automatic paper ejection on top of the paper cassette		
	Print Size	Postcard size, borderless: 100.0 × 148.0 mm (3.94 × 5.83 in.) Postcard size, bordered: 91.3 × 121.7 mm (3.59 × 4.79 in.) L size, borderless: 89.0 × 119.0 mm (3.50 × 4.69 in.) L size, bordered: 78.8 × 105.1 mm (3.10 × 4.14 in.) Card size, borderless (including label sheets): 54.0 × 86.0 mm (2.13 × 3.39 in.) Card size, bordered (including label sheets): 49.9 × 66.4 mm (1.96 × 2.61 in.) 8-label sheets (per 8-label sheet): 22.0 × 17.3 mm (0.87 × 0.68 in.) Wide size, borderless: 100.0 × 200.0 mm (3.94 × 7.87 in.) Wide size, bordered: 91.3 × 121.7 mm (3.59 × 4.79 in.)		
	Printing Specifications (Direct Printing from a memory card)	Standard print (Single image print + Multiple image print at one time + Multiple copies of a single image) Print all images (All image print, number of copies selectable) DPOF image print Borderless/Bordered print Date print File no. print Layout print (2-up/4-up/8-up layout) Index print	Single image print Multiple image print at one time Number of prints settings (multiple image print) All image print DPOF image print Borderless/Bordered print Date print File no. print Layout print (2-up/4-up/8-up layout) Index print	
	Image processing	My Colors (B/W, Sepia, Vivid, Neutral, Positive Film), Red-eye Correction	Red-eye Correction	
	Image Quality Adjustment	Face Fine Print (face detection, Partial Contrast Correction) • Optimize automatically with the camera when printing using Canon Direct Print Adobe RGB support	Automatic dynamic-range correction • Optimize automatically with the camera when printing using Canon Direct Print Adobe RGB support	
Interface	Card Slots	Three slots • Images can be viewed on the LCD monitor of printer		
	Supported memory cards	Without adapter	CompactFlash, Microdrive, SD, miniSD, SDHC, miniSDHC, MMC, MMCplus, HC MMCplus, MMCmobile, RS-MMC, Memory Stick, Memory Stick PRO, Memory Stick Duo, Memory Stick PRO Duo	
		Via adapter	microSD, microSDHC, MMCmicro, xD-Picture Card, Memory Stick Micro	
	External	Format	USB	
		Connection (cable)	PictBridge compliant camera/Canon Direct Print compliant camera: USB compliant Type A connector Connecting with computer: USB compliant Type B connector	Canon Direct Print compliant camera/PictBridge compliant camera: USB compliant Type A connector, Retractable USB cable (in the printer) • mini-B plug, approx. 30 cm (12 in.) Connecting with computer: USB compliant Type B connector
Wireless	Bluetooth • Bluetooth Unit BU-30 (sold separately) required	Bluetooth Bluetooth Unit BU-20 (sold separately) required		
Product Specifications	LCD Monitor	2.5-inch type, TFT color LCD	2.0-inch type, color LCD	
	Operating Environment	5 – 40°C, 20 – 80% RH		
	Power Source	Compact Power Adapter CA-CP200 (white)	Compact Power Adapter CA-CP200	
	Power Consumption	60 W or less (4 W or less when in idle)		
	Dimensions (excluding protrusions)	180.0 × 126.7 × 73.1 mm (7.09 × 4.99 × 2.88 in.)	179.0 × 127.1 × 63.0 mm (7.05 × 5.00 × 2.48 in.)	
	Weight (printer only)	Approx. 900 g (31.7 oz.)	Approx. 940 g (33.2 oz.)	
Others	UI display in 7 languages	–		

2 Exterior

2-1 Exterior Photos

•SELPHY-CP770



With basket (storage case)

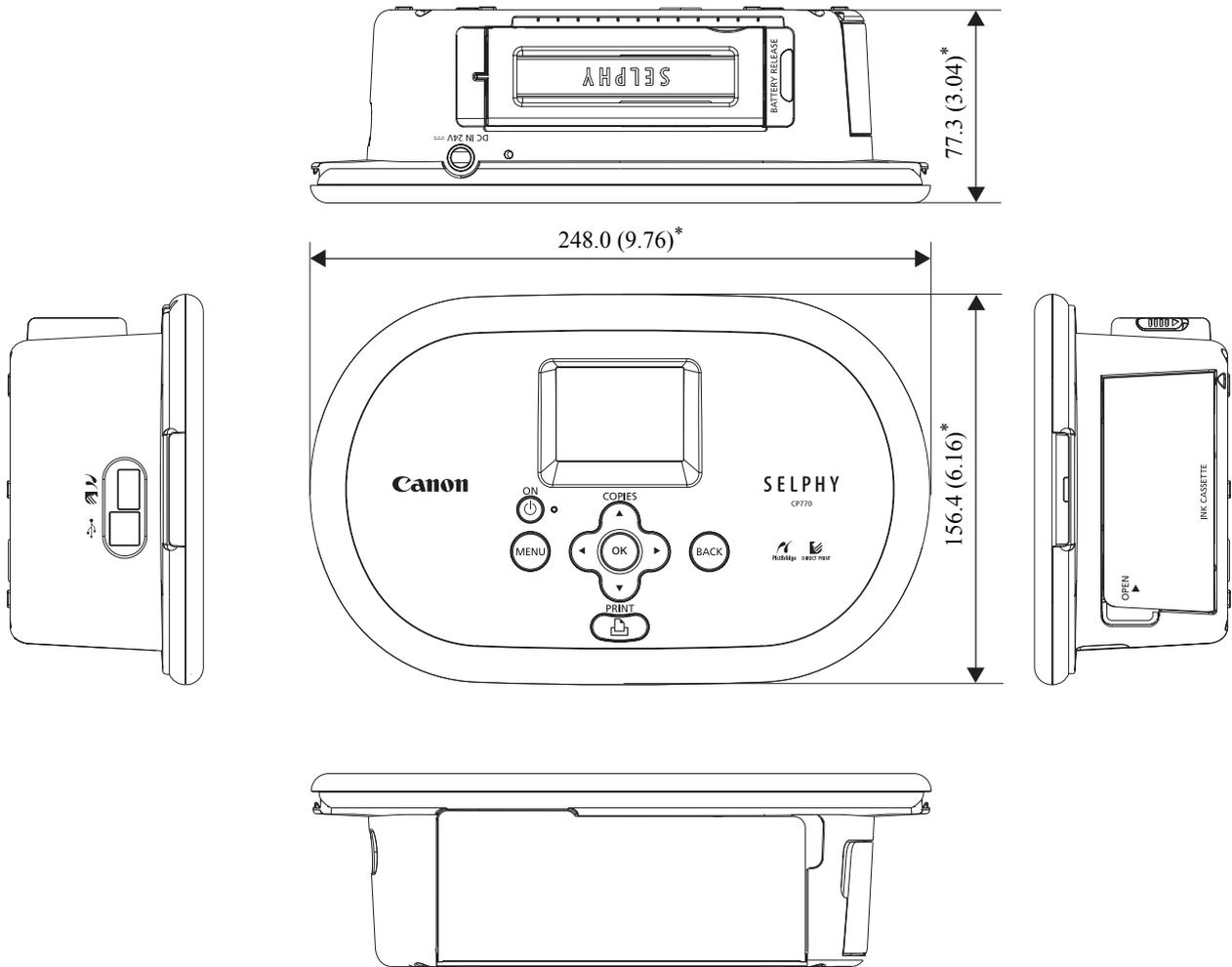
•SELPHY-CP760



2-2 5-View Diagram
•SELPHY-CP770

Unit : mm (inch)

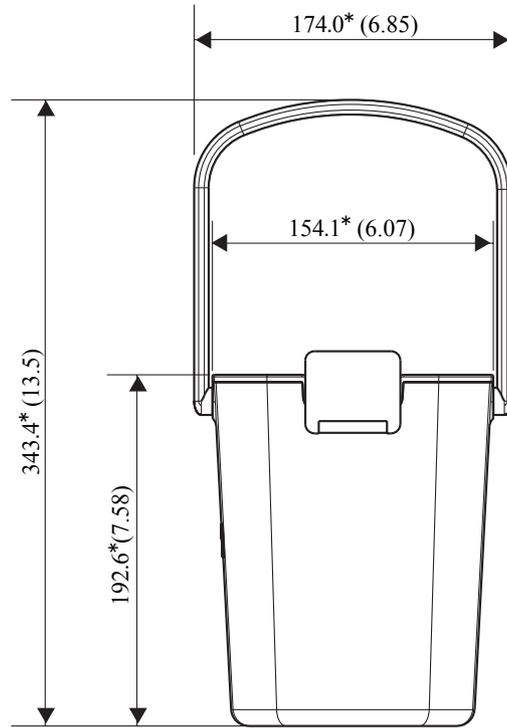
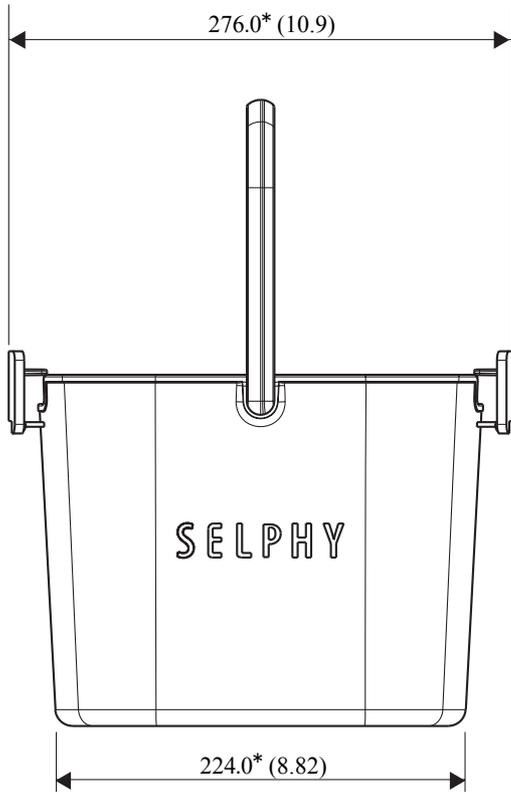
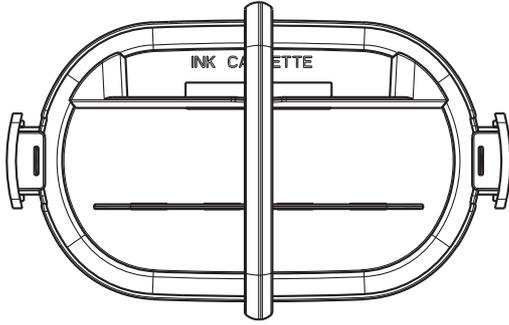
* Normal Dimention



• Basket (Storage case)

Unit : mm (inch)

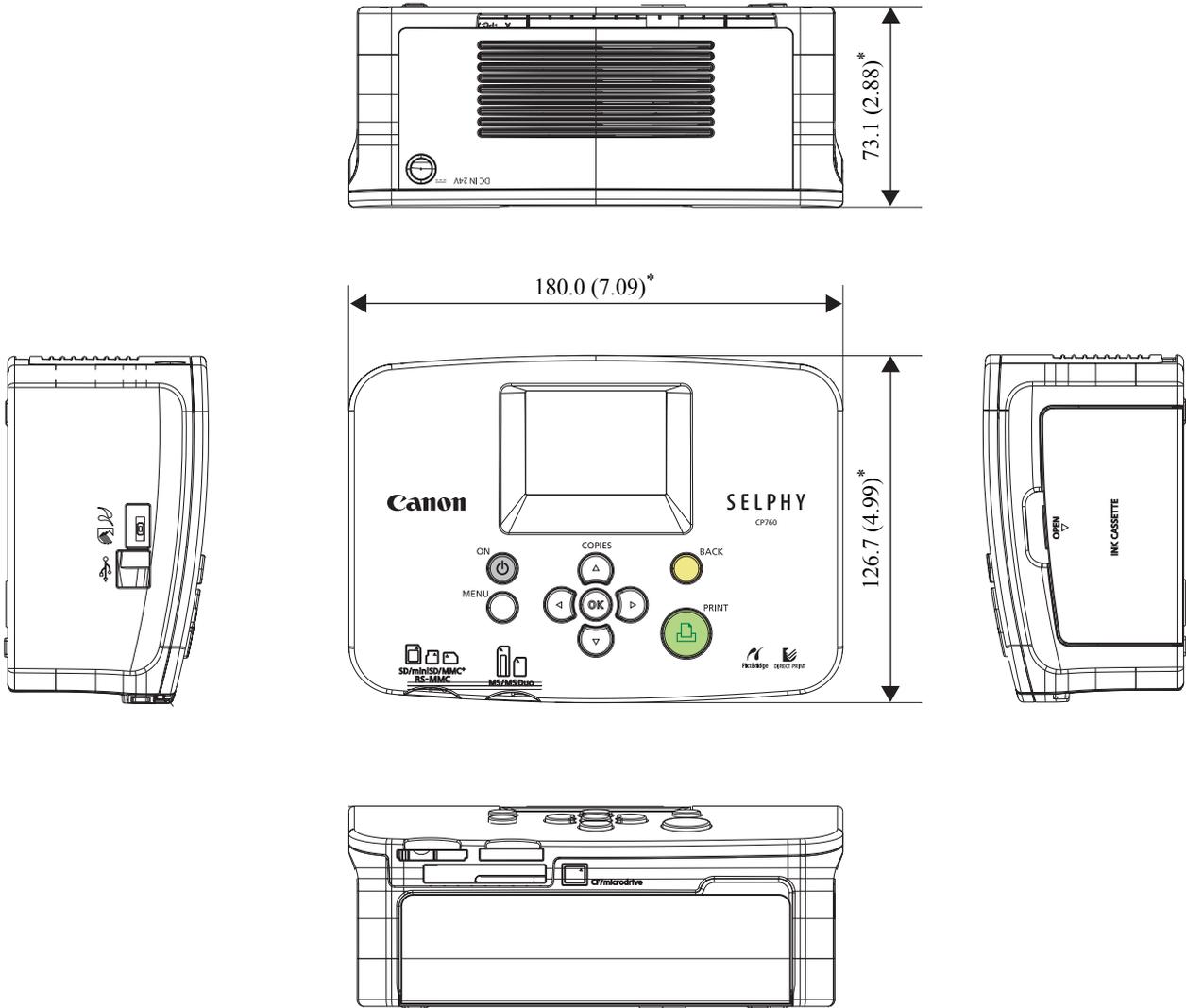
* Normal Dimentions



•SELPHY-CP760

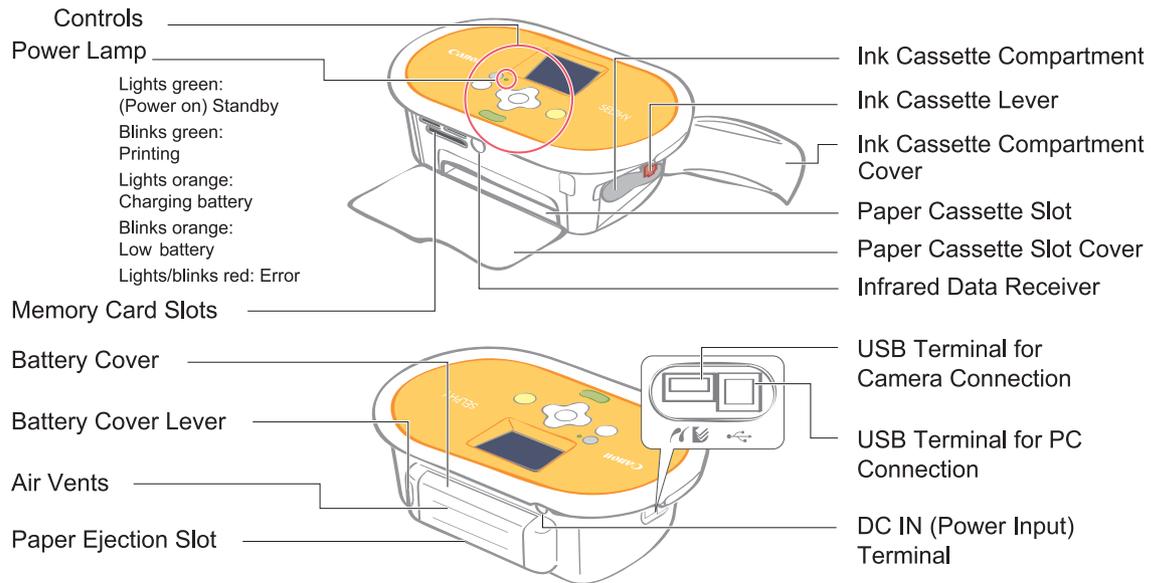
Unit : mm (inch)

* Normal Dimensions

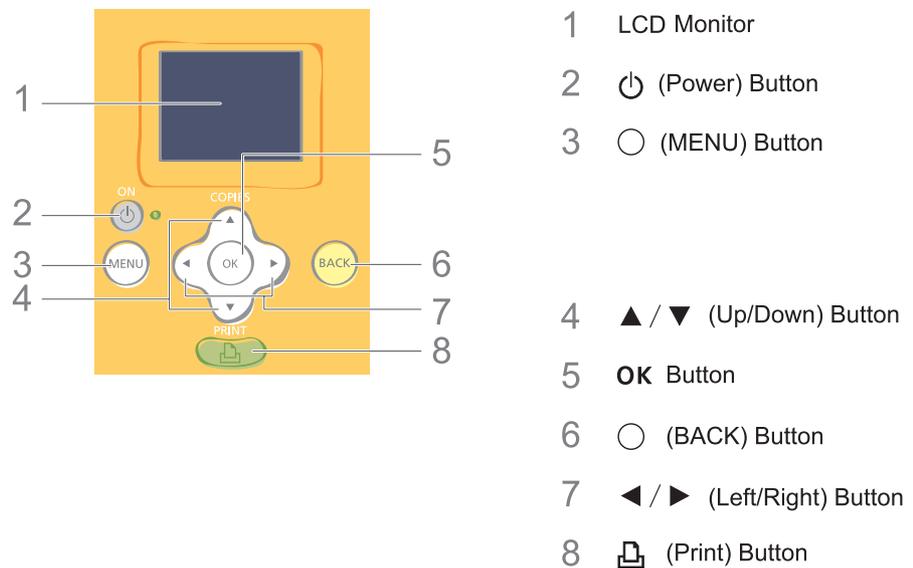


2-3 Nomenclature

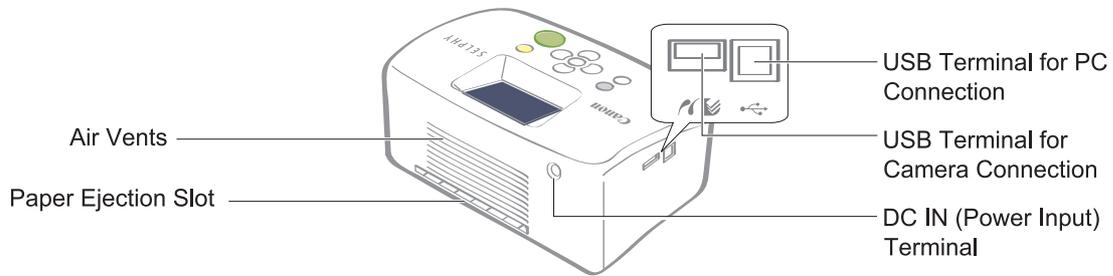
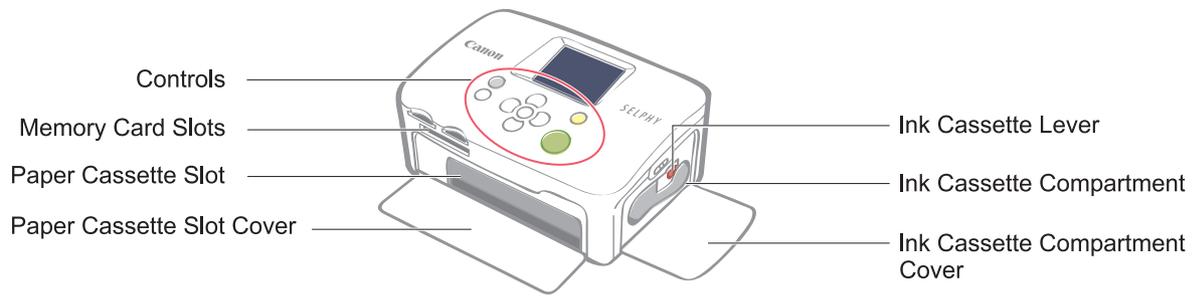
• SELPHY-CP770



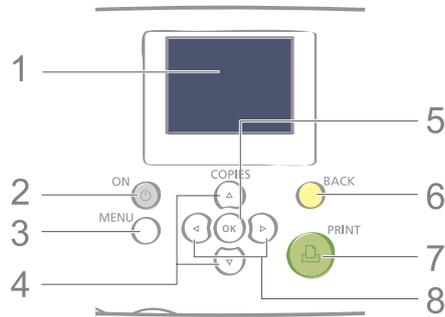
Controls



• SELPHY-CP760



Controls



- 1 LCD Monitor
- 2 ⏻ (Power) Button
- 3 ○ (MENU) Button
- 4 ▲ / ▼ (Up/Down) Button
- 5 ● (OK) Button
- 6 ○ (BACK) Button
- 7 🖨️ (Print) Button
- 8 ◀ / ▶ (Left/Right) Button

3 Specifications

3-1 Product Specifications

Note: Measured data is based on Canon's standard testing conditions unless otherwise stated.

General Specifications

Imaging Processor	Not available
Printing Method	Dye-sublimation thermal transfer (with overcoating)
Print Resolution	300 × 300 dpi
Gradation	256 shades per color
Ink	Dedicated ink cassette Color (Y, M, C and overcoating) • Equivalent to 100-year print
Paper (Size)	Dedicated paper Postcard size (standard paper*) L size (standard paper) Card size (standard paper, full-sized label sheets, 8-label sheets) Wide size (standard paper) * Reverse side: with an address field/full-page Canon logo type
Paper Supply Indicator	Not available

Print Size

	Unit: mm (inch)	
	Borderless	Bordered ^{*1}
Postcard size (4 x 6 in.)	100.0 x 148.0 (3.94 x 5.83)	91.3 x 121.7 (3.59 x 4.79)
L size	89.0 x 119.0 (3.50 x 4.69)	78.8 x 105.1 (3.10 x 4.14)
Card size (including full page label sheets)	54.0 x 86.0 (2.13 x 3.39)	49.9 x 66.4 (1.96 x 2.61)
8-label sheets (per label)	22.0 x 17.3 (0.87 x 0.68)	–
Wide size (4 x 8 in.)	100.0 x 200.0 (3.94 x 7.87) ^{*2}	91.3 x 121.7 (3.59 x 4.79) ^{*3}

^{*1} The aspect ratio of bordered print depends on its original aspect ratio of the image.
The values in the table are for images shot at the 4:3 aspect ratio with models of the PowerShot series and IXY DIGITAL series.

^{*2} When using Canon Direct Print, print size is 100.0 x 150.0 mm (3.94 x 5.91 in.) and photo is aligned with the left side of the paper.

^{*3} Print size is "91.3 x 162.2 mm (3.59 x 6.39 in.)" when printing images with an aspect ratio of 16:9.

Printing Speed* (Standard Resolution / Normal Temperature)

SELPHY CP770

	Printing from Memory Cards	Connected to Cameras with Pictbridge
Postcard size	Approx. 52 sec.	Approx. 52 sec.
L size	Approx. 43 sec.	Approx. 43 sec.
Card size (including label sheets)	Approx. 25 sec.	Approx. 25 sec.
Wide size	Approx. 1 min. 05 sec.	Approx. 1 min. 05 sec.

SELPHY CP760

	Printing from Memory Cards	Connected to Cameras with Pictbridge
Postcard size	Approx. 52 sec.	Approx. 52 sec.
L size	Approx. 43 sec.	Approx. 43 sec.
Card size (including label sheets)	Approx. 25 sec.	Approx. 25 sec.
Wide size	Approx. 1 min. 05 sec.	Approx. 1 min. 05 sec.

* Measured from start of the yellow printing pass to final output.

• Printing speed varies depending on digital camera's recording pixels and types of memory cards or its capacity. Print time with an infrared radiation and Bluetooth communication is not listed above, because it varies greatly depending on a device and image size.

Number of Prints (With the Battery Pack NB-CP2L)	Postcard size paper (including paper with blank reverse side) : Approx. 36 sheets L size paper : Approx. 36 sheets Card size paper (including label sheets) : Approx. 72 sheets Wide size paper : Approx. 24 sheets* * Borderless print
Feeding System	Automatic paper feed from paper cassette
Ejection System	Automatic paper ejection on top of the paper cassette
LCD Monitor	2.5-inch type TFT color LCD
Tilt-up Mechanism	Not available

Printing Specifications

Printing Modes (Card Direct)

Print all images at one time	Make one print of each image on the memory card <ul style="list-style-type: none"> • Maximum number of images that can be specified is 999 images. • Maximum number of copies that can be specified is 99 copies.
DPOF Print	Available <ul style="list-style-type: none"> • Date stamp and file number follow DPOF setting with the camera (not selectable on the printer).
Direct Printing from a Camera	Available (Canon digital camera, PictBridge compliant camera)
Printing from a Computer	Available <ul style="list-style-type: none"> • Installation of the printer driver from the supplied Compact Photo Printer Solution Disk is required.
Wireless Printing	Infrared data communication (IrDA, IrSimple), Bluetooth <ul style="list-style-type: none"> • Only single image print (borderless) is available.
Trimming	Not available (available only when connecting with a camera directly)
Print Settings	Each settings are available only for batched processing (Setting of each image is not available)
Date Function	Available
Date Style	Year/month/day, month/day/year, or day/month/ year
Date Settings	Available up to December 2037
File Number	Available when selecting "Index" in "Layout" (excluding Card size paper)
Red-Eye Correction	Available <ul style="list-style-type: none"> • Not available when selecting "2-, 4-, and 8-up" or "Index" in Page Layout, "B/W" or "Sepia" in "My Colors". • For DPOF print, red-eye correction is available only when "Standard" or "Both" is selected ("Index" images are not corrected with "Both" selected).
My Colors	Vivid, Neutral, Sepia, B/W, Positive Film
Layout	1-up, 2-up, 4-up, 8-up, Index
Image Adjustment	Available <ul style="list-style-type: none"> • When printing directly from a memory card / Printing with PictBridge
Borders	Bordered/Borderless
Image Quality Adjustment	Not available
Movie Print	Not available (available only when connecting with a camera directly)
ID Photo	Not available (available only when connecting with a camera directly)
Adobe RGB	Available
Exif Print	Available

Playback Specifications

Maximum number of playback pixels	65,500 x 65,500
Number of recognized display	999 images
Main Display	Single (one image) only <ul style="list-style-type: none"> • Switching normal or full-sized display is available • Multi-view is not available
Enlarged display	Not available
Jump	Not available
Auto Play	Not available
Transition Effects	Not available
Auto Rotate	Not available

Interface

USB	PictBridge compliant camera / Canon Direct Print compliant camera: Type A connector Computer: Type B connector
Wireless	Infrared (IrDA, IrSimple) (CP770 only) Images are translated with IrOBEX, IrMC by vNOTE Bluetooth <ul style="list-style-type: none"> • Optional Bluetooth Unit BU-30 (sold separately) required • Built-in Bluetooth and supported with Basic Imaging Profile types, Object Push Profile types or Basic Printing Profile types.
Transmission Data Size	Maximum of approx. 2 MB (when infrared and Bluetooth)

Memory Card

	Card Slot		
	CF microdrive	SD/miniSD MultiMediaCard	MS MS Duo
Memory cards that can be inserted	<ul style="list-style-type: none"> • CF Card • Microdrive 	<ul style="list-style-type: none"> • SD Memory Card • miniSD Card • SDHC Memory Card • miniSDHC Card • MultiMediaCard • MMC<i>plus</i> Card • HC MMC<i>plus</i> Card • MMC<i>mobile</i> Card • RS-MMC Card 	<ul style="list-style-type: none"> • Memory Stick • Memory Stick PRO • Memory Stick Duo • Memory Stick PRO Duo
Memory cards that require special adapters	<ul style="list-style-type: none"> • xD-Picture Card* 	<ul style="list-style-type: none"> • microSD Card • microSDHC Card • MMC<i>micro</i> Card 	<ul style="list-style-type: none"> • Memory Stick micro

* CompactFlash Card Adapter for xD-Picture Card is required.

- Other memory cards (including adapters) can also be used if they are the right shape and have compatible electronic specifications.
- Display shows active memory card slot types (three types noted above)

Video Input/output	Not available
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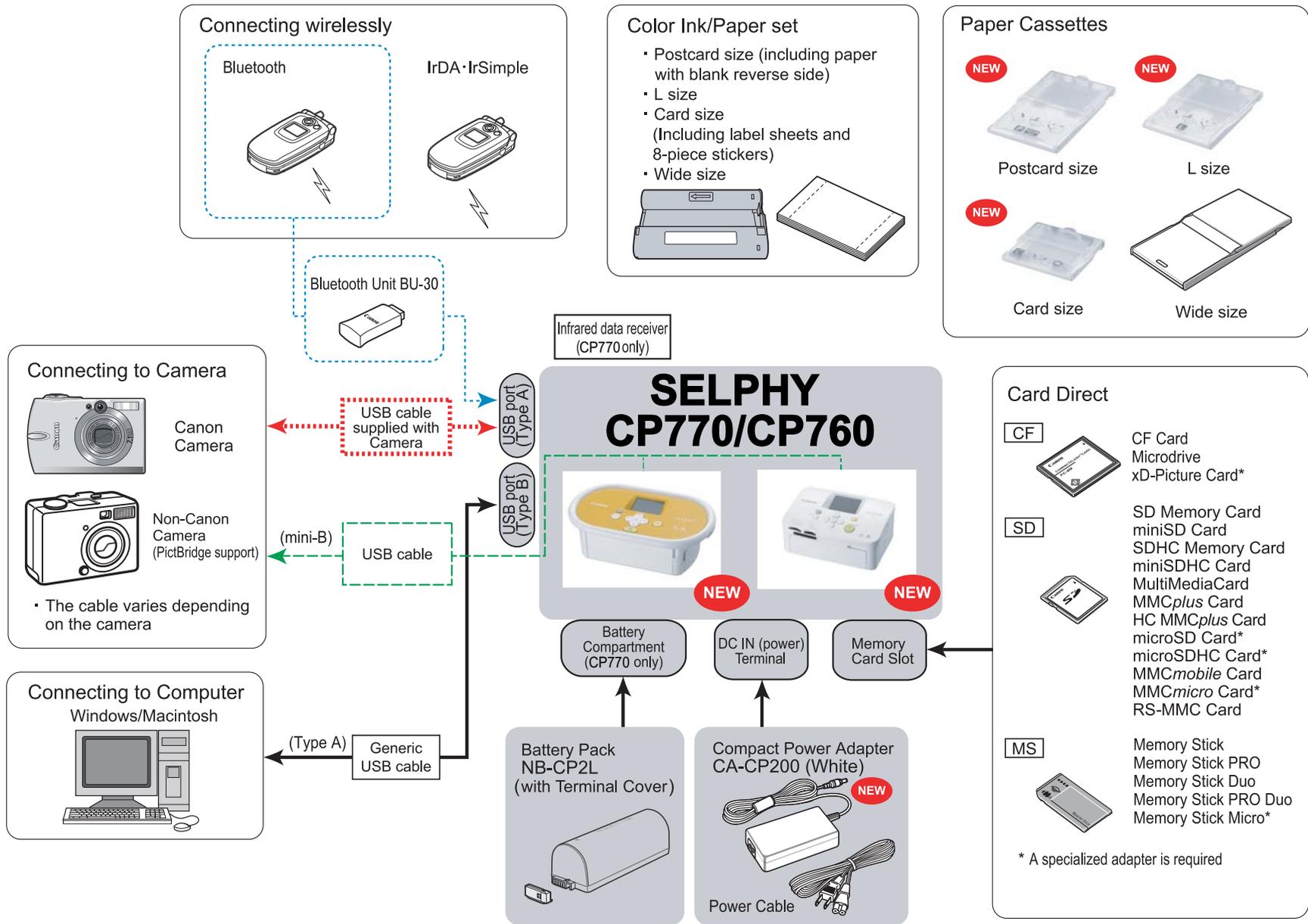
Others

Display Language	7 languages (English, German, French, Italian, Spanish, Simplified Chinese, Japanese)
Power Saver Feature (CP770 only)	Available (Power shuts off after approximately 5 minutes of no operations when operating on battery power)

Printer Specifications

Operating Temperature	5 – 40°C (41 – 104°F)
Operating Humidity	20 – 80%
Power Source	Compact Power Adapter CA-CP200 Battery Pack NB-CP2L
Charging Time (when using NB-CP2L)	Approx. 4 hours (charged in main printer unit)
Power Consumption	60 W or less (Standby: 4 W or less)
Dimensions (excluding protrusions)	CP770 (Printer): 248.0 x 156.4 x 77.3 mm (9.76 x 6.16 x 3.04 in.) CP770 (With basket (storage case)): 276.0 x 174.0 x 205.8 mm (10.9 x 6.85 x 8.10 in.) CP760: 180.0 x 126.7 x 73.1 mm (7.09 x 4.99 x 2.88 in.)
Weight	CP770 (printer) : Approx. 1060 g (37.4 oz.) , Storage case: Approx. 410 g (14.5 oz.) CP760 (printer) : Approx. 900 g (31.7 oz.)

3-2 System Diagram



3-3 Functions Available in Each Printing Mode

		Printing Directly from a Memory Card			Printing from a Camera		Computer Connection	Wireless Printing	
		Print selected images	Print all images at one time	DPOF Print*1	PictBridge	Canon Direct Print		Infrared (CP770 only)	Bluetooth
Date *2		○	○	△*5	○*3	△	-	-	-
Correct Red-Eye *4		○	○	○*5	○	-	-	-	-
My Colors		○	○	○	○	-	-	-	-
Page Layout	1-up	○	○	○*5	○*3	△	-	×	×
	2-up	○	○	○*5	○*3	-	-	-	-
	4-up	○	○	○*5	○*3	-	-	-	-
	8-up	○*6	○*6	○*5	○*3	△*7	-	-	-
	Index	○	○	○*8	○*3	△*8	-	-	-
Image Optimize		○	○	○*5	○*3	-	-	-	-
Borders *2		○	○	○*5	○*3	△	-	-	-
Date Format		○	○	-	○	-	-	× (Only available with "Borderless")	
Language		○	○	○	-	-	-	-	-
Info. Display		○	○	○	-	-	-	-	-

[How to read symbols in the table]

○: Setting available.

- : Not available.

△: Not available. (or setting available specified on the camera)

Colored cells (■) : The settings are retained even when the power is turned off.

*1 The print type is set by the camera according to the DPOF settings. Cannot be set by the printer.

*2 Not available when the paper size is set to Card and the layout setting is [8-up].

*3 When the setting is [Default].

*4 Not available for "Page Layout" other than "1-up", "B/W" or "Sepia" set in "My Colors".

*5 Only images with DPOF set to "Standard" specified on the camera.

*6 Only "Borderless" printing is available on card size paper.

*7 Card size only.

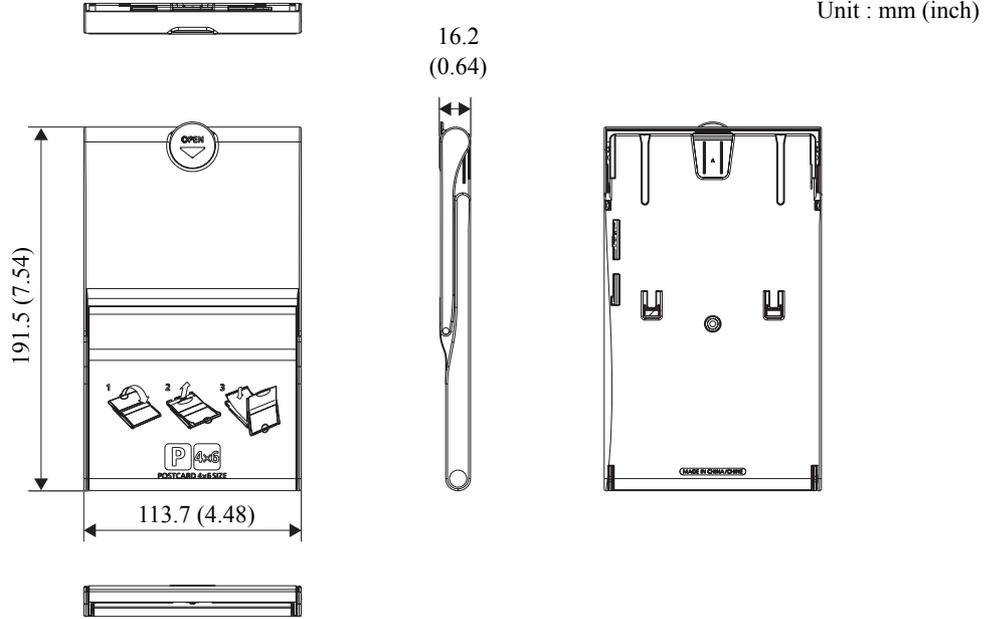
*8 When DPOF is set to "Index" specified on the camera.

4 Accessory Specifications

4-1 Paper Cassettes

4-1-1 PCP-CP300 (for postcard size)

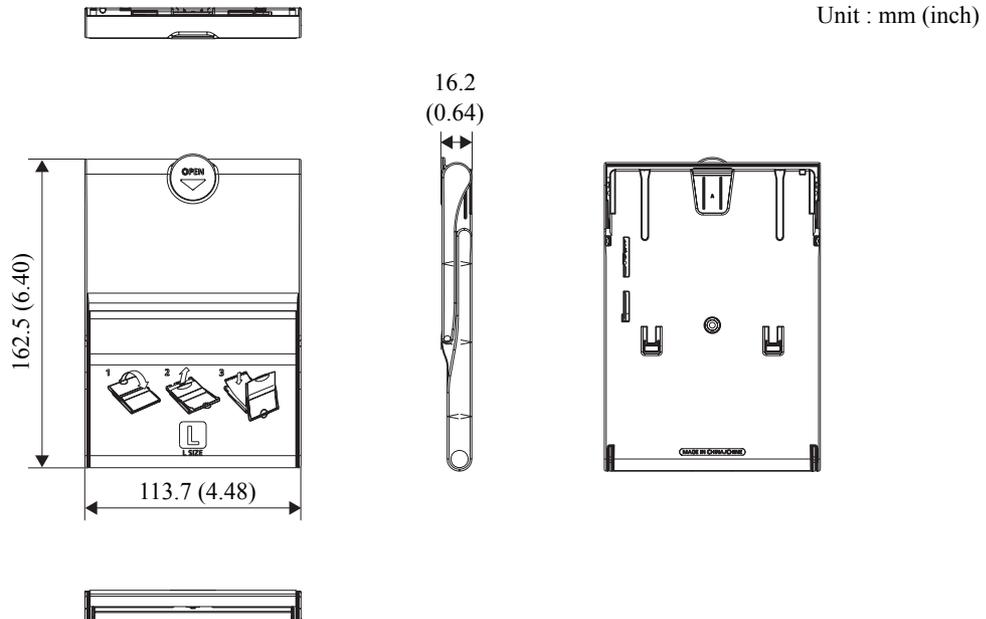
Appearance Diagram



Dimensions	113.7 x 191.5 x 16.2 mm (4.48 x 7.54 x 0.64 in.)
Weight	Approx. 135 g (4.76 oz.)

4-1-2 PCL-CP300 (for L size)

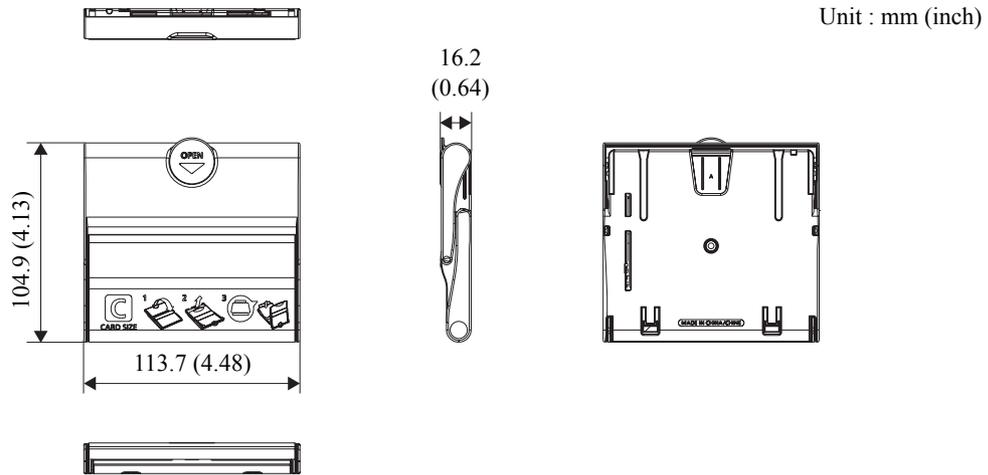
Appearance Diagram



Dimensions	113.7 x 162.5 x 16.2 mm (4.48 x 6.40 x 0.64 in.)
Weight	Approx. 115 g (4.06 oz.)

4-1-3 PCC-CP300* (for card size)

Appearance Diagram



Dimensions	113.7 x 104.9 x 16.2 mm (4.48 x 4.13 x 0.64 in.)
Weight	Approx. 78 g (2.75 oz.)

*Including full page label sheets, 8-label sheets

4-1-4 PCW-CP100 (for wide size)

Dimensions	239.5 x 111.6 x 15.5 mm (9.43 x 4.39 x 0.61 in.)
Weight	Approx. 170 g (6.00 oz.)

4-2 Ink Cassettes

Dimensions	133.7 x 78.0 x 23.0 mm (5.26 x 3.07 x 0.91 in.)
Weight	Approx. 65 g (2.29 oz.) (36 postcard size, standard sheets) Approx. 59 g (2.08 oz.) (36 L size, standard sheets) Approx. 51 g (1.80 oz.) (36 card size, standard sheets) Approx. 45 g (1.59 oz.) (18 card size, label sheets)

4-3 Battery Pack NB-CP2L

Type	Rechargeable lithium-ion battery
Nominal Voltage	22.2 V DC
Nominal Capacity	1200 mAh
Battery Life (Charge Cycles)	Approx. 300 times
Charging Time	Approx. 2 hrs. 30 min. (charged in the printer)
Operating Temperatures	5 - 40°C (41 - 104°F)
Dimensions	110.0 x 40.7 x 37.5 mm (4.33 x 1.60 x 1.48 in.)
Weight	Approx. 230 g (8.11 oz.)

4-4 Compact Power Adapter CA-CP200 (white)

Rated Input	100 - 240 V AC (50/60 Hz) 1.5 A (100 V) - 0.75 A (240 V)
Rated Output	24 V DC, 2.2 A
Operating Temperatures	0 - 45°C (32 - 113°F)
Dimensions	122.0 x 60.0 x 30.5 mm (4.80 x 2.36 x 1.20 in.) (excluding power cord)
Weight	Approx. 310 g (10.9 oz.)

4-5 Bluetooth Unit BU-30

Wireless standard	Bluetooth standard Ver. 2.0
Maximum transmission speed	Approx. 1.44Mbps
Output	Bluetooth standard Power Class 2
Operating Frequency Band	2.4 GHz band
Communications Distance	Approx. 10 m (32.8 ft.) line-of-sight
Supported Profiles	BIP (Basic Imaging Profile), OPP (Object Push Profile), BPP (Basic Printing Profile)
Power Source	DC 4.4 V to 5.25 V
Power Consumption	500 mW (maximum)
Operating Temperature	5 - 35°C (41 - 95°F),
Operating Humidity	10 - 90%
Dimensions	18.5 x 47.5 x 8.7 mm (0.73 x 1.87 x 0.34 in.) (when cap is attached)
Weight	Approx. 7g (0.25 oz.)

4-6 Accessory Compatibility

	CP770 CP760	ES1 ES2 ES20	CP750 CP730 CP710 CP600 CP510	CP740 CP720 CP520 CP500 CP400	CP330	CP220	CP-300	CP-200	CP-100	CP-10
--	------------------------	--------------------	---	---	-------	-------	--------	--------	--------	-------

Ink, paper

HC-36IP	-	-	-	-	-	-	-	-	-	○
HC-18IP	-	-	-	-	-	-	-	-	-	○
HC-18IL	-	-	-	-	-	-	-	-	-	○
KP-36IP	○	-	○	○	○	○	○	○	○	-
KP-72IN	○	-	○	○	○	○	○	○	○	-
KP-108IN	○	-	○	○	○	○	○	○	○	-
KL-36IP	○	-	○	○	○	○	○	○	○	-
KC-36IP	○	-	○	○	○	○	○	○	○	-
KC-18IL	○	-	○	○	○	○	○	○	○	-
KC-18IF	○	-	○	○	○	○	○	○	○	-
KW-24IP	○	-	○	○	○	○	-	-	-	-
E-P50/E-P100	-	○	-	-	-	-	-	-	-	-
E-L50/E-L100	-	○	-	-	-	-	-	-	-	-
E-C25	-	○	-	-	-	-	-	-	-	-
E-C25L	-	○	-	-	-	-	-	-	-	-
E-P25BW	-	○	-	-	-	-	-	-	-	-

Cable

DIF-100	-	-	-	-	-	-	-	-	○	○
DIF-200	-	-	-	-	-	-	-	-	○	○
IFC-200PCU	○*	○*	○*	○*	○*	○*	○*	○*	-	-
IFC-300PCU	○*	○*	○*	○*	○*	○*	○*	○*	-	-
IFC-400PCU	○*	○*	○*	○*	○*	○*	○*	○*	-	-

Power Supply

CA-CP100	-	-	-	-	○	○	○	○	○	○
CBA-CP100	-	-	-	-	○	-	○	-	○	○
CA-CP200	○	-	○	○	-	-	-	-	-	-
CA-CP200 (white)	○	-	○	○	-	-	-	-	-	-
CA-ES100	-	○	-	-	-	-	-	-	-	-
NB-CP1L	-	-	-	-	○	-	○	-	○	-
NB-CP2L	○	-	○	-	○	-	○	-	○	-
NB-ES1L	-	○	-	-	-	-	-	-	-	-

* For use with Canon digital cameras and video cameras that support Canon Direct Print or PictBridge.
When connecting via PictBridge with another manufacturer's camera, use the cable specified for that camera.

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Included lithium battery contains Perchlorate Material - special handling may apply.

See www.dtsc.ca.gov/hazardouswaste/perchlorate/ for details.



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(SELPHY CP770)

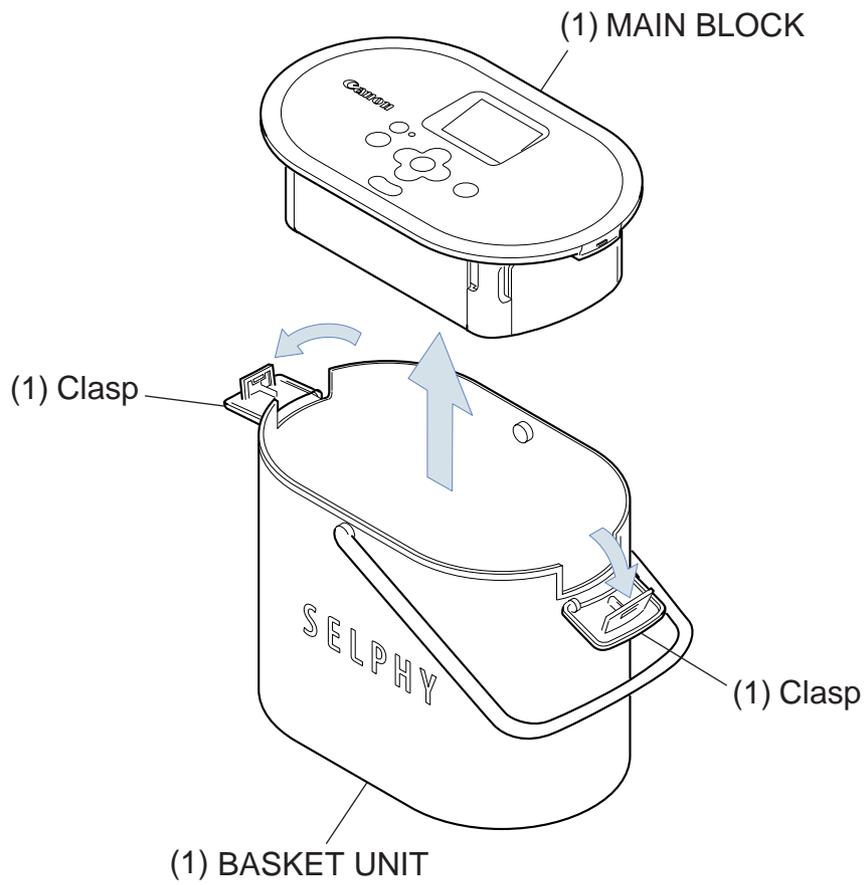
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(SELPHY CP760)

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1.1 MAIN BLOCK, BASKET UNIT

- (1) Unhook the two clasps, and separate the MAIN BLOCK from the BASKET UNIT.

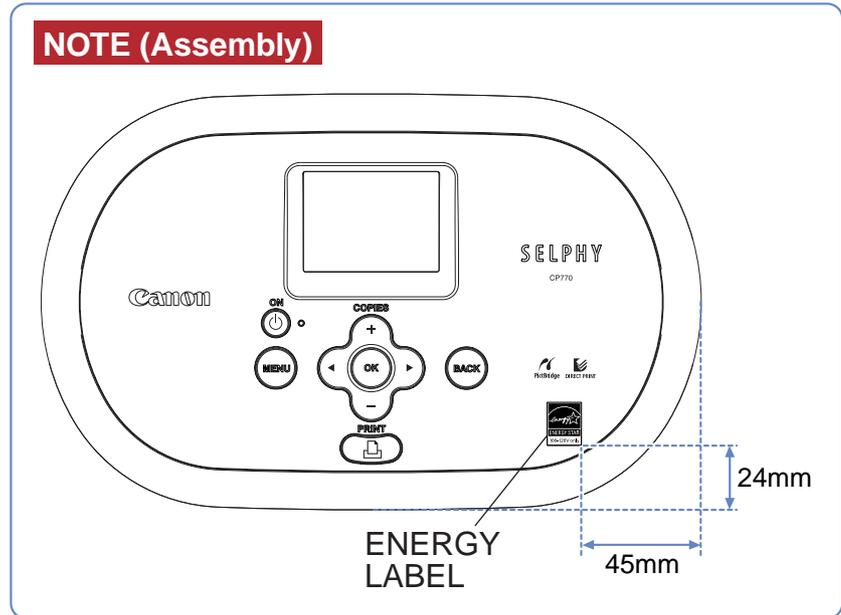
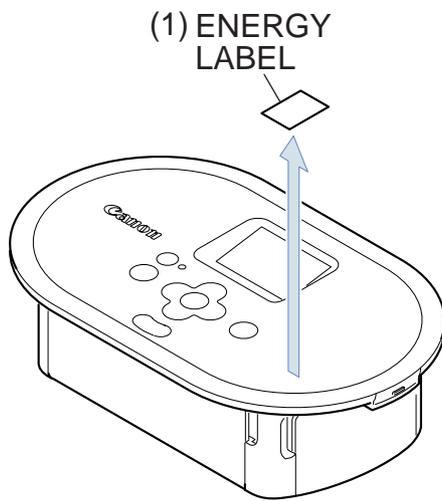


1.2 ENERGY LABEL

(1) Peel off the ENERGY LABEL.

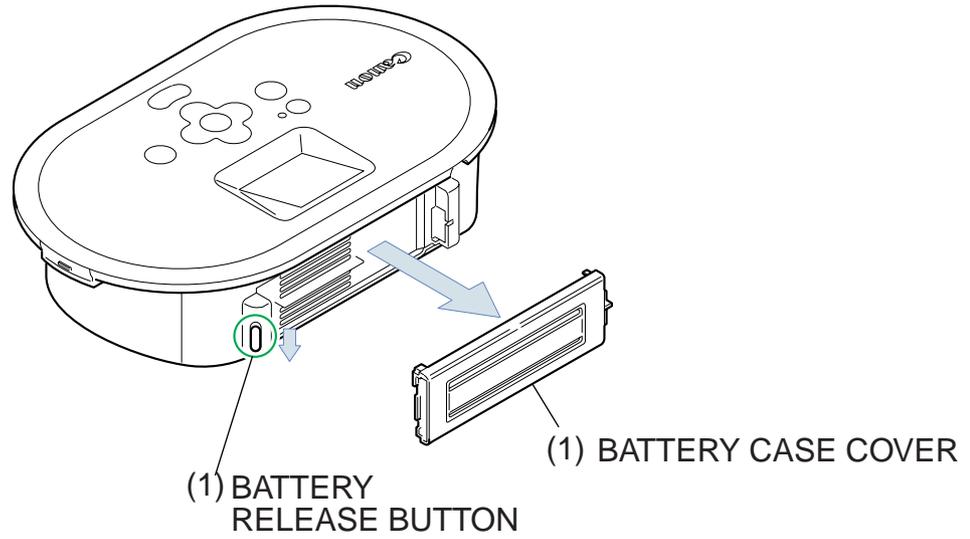
NOTE (Assembly)

Attach the ENERGY LABEL to the position shown in the figure.



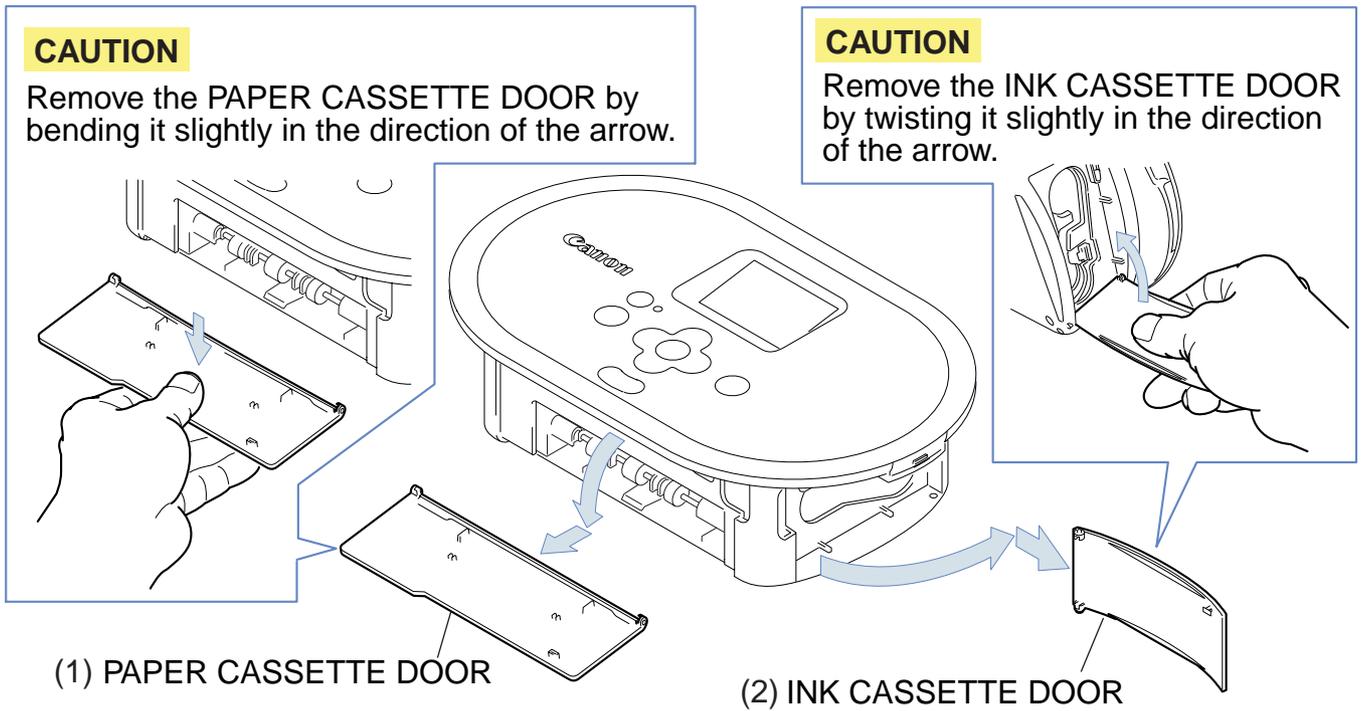
1.3 BATTERY CASE COVER

- (1) Push the BATTERY RELEASE BUTTON in the direction of the arrow and remove the BATTERY CASE COVER.



1.4 PAPER CASSETTE DOOR, INK CASSETTE DOOR

- (1) Remove the PAPER CASSETTE DOOR.
- (2) Remove the INK CASSETTE DOOR.

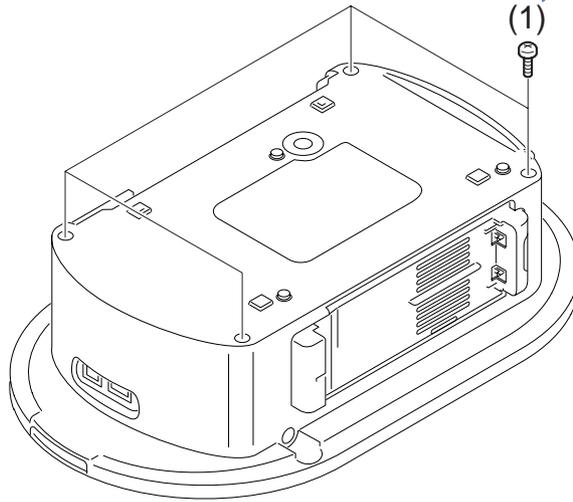


1.5 TOP COVER ASS'Y-(1)

- (1) Remove the four screws.

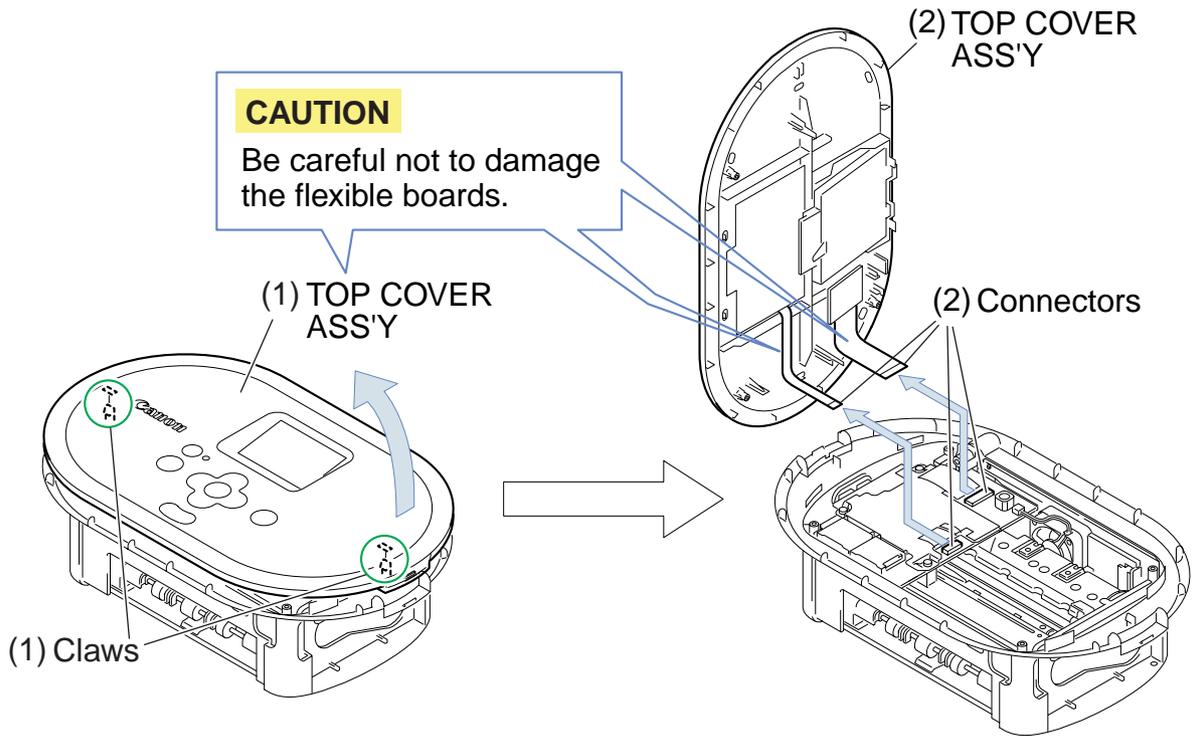
CAUTION

The slots in the top of the screws can be easily rounded off, so use the appropriate size driver for these screws and be careful when removing them.



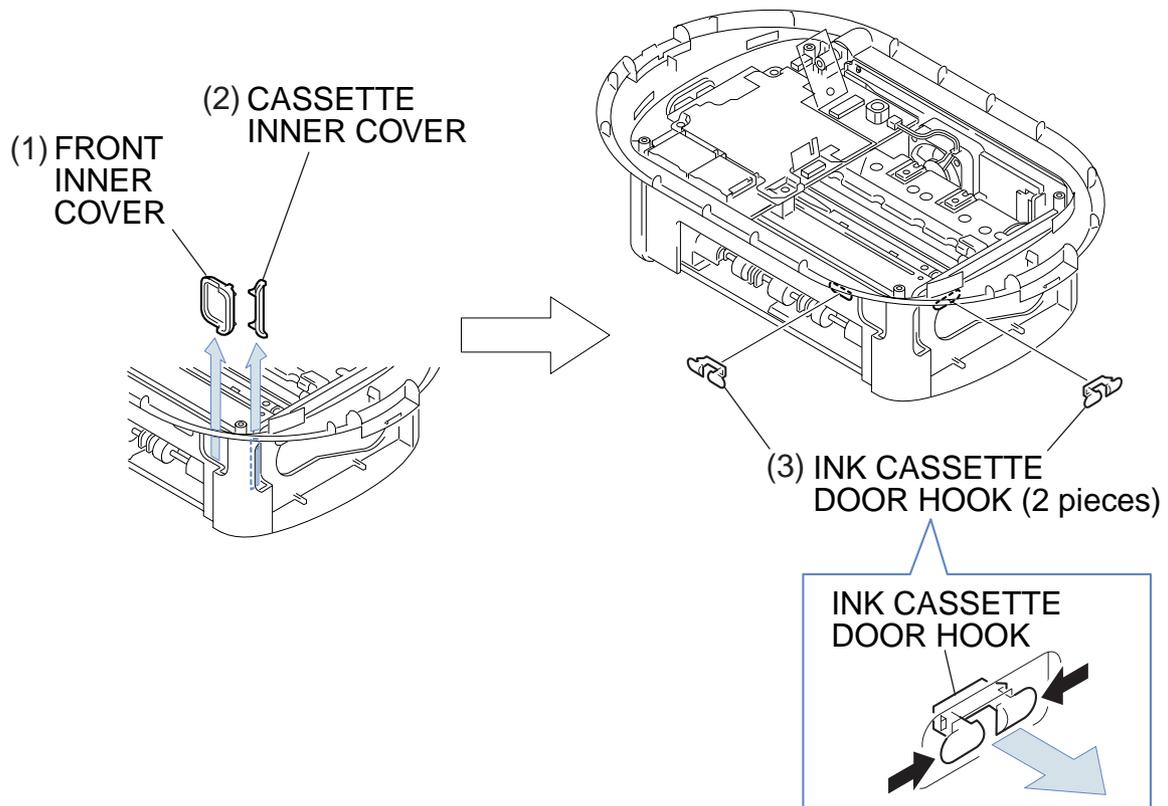
1.6 TOP COVER ASS'Y-(2)

- (1) Disengage the two claws, and open the TOP COVER ASS'Y in the direction of the arrow.
- (2) Disconnect the two connectors, and remove the TOP COVER ASS'Y.



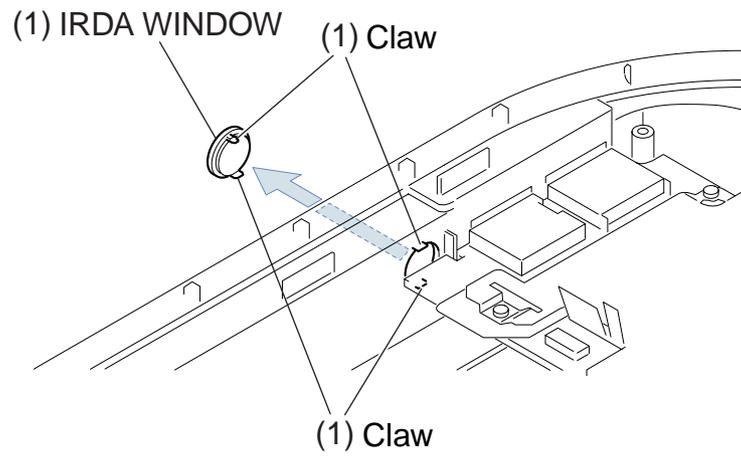
1.7 FRONT INNER COVER, CASSETTE INNER COVER, INK CASSETTE DOOR HOOK

- (1) Remove the FRONT INNER COVER.
- (2) Remove the CASSETTE INNER COVER.
- (3) Remove the INK CASSETTE DOOR HOOK (2 pieces).



1.8 IRDA WINDOW

- (1) Disengage the two claws, and remove the IRDA WINDOW.

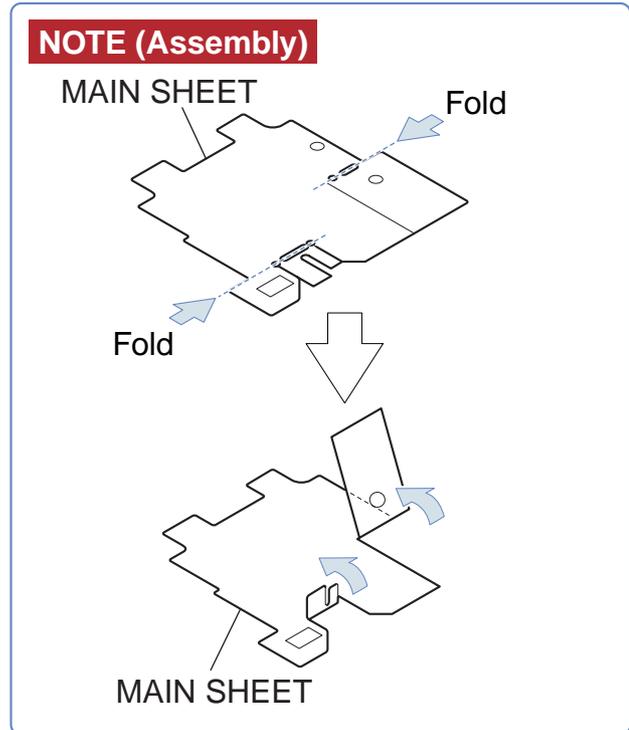
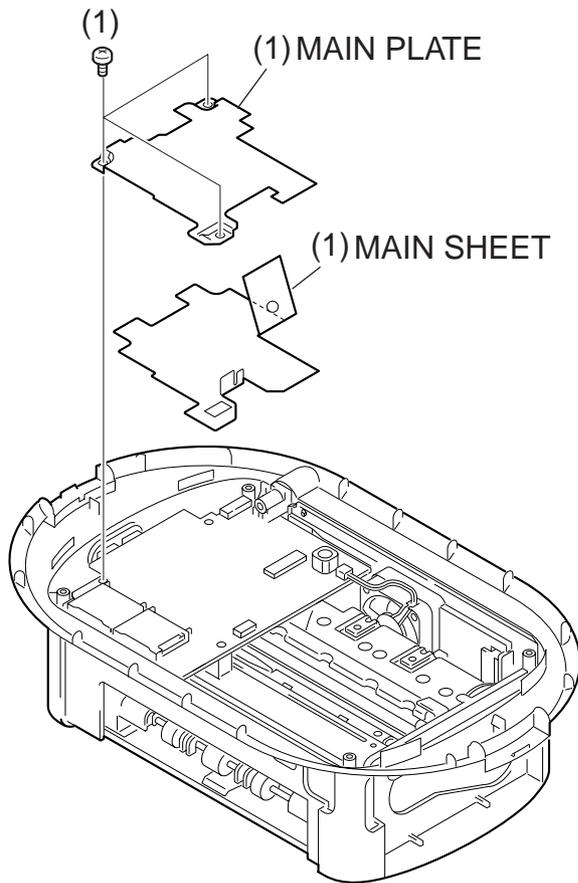


1.9 MAIN PLATE, MAIN SHEET

(1) Remove the three screws, and remove the MAIN PLATE and the MAIN SHEET.

NOTE (Assembly)

Fold the MAIN SHEET as shown in the figure.

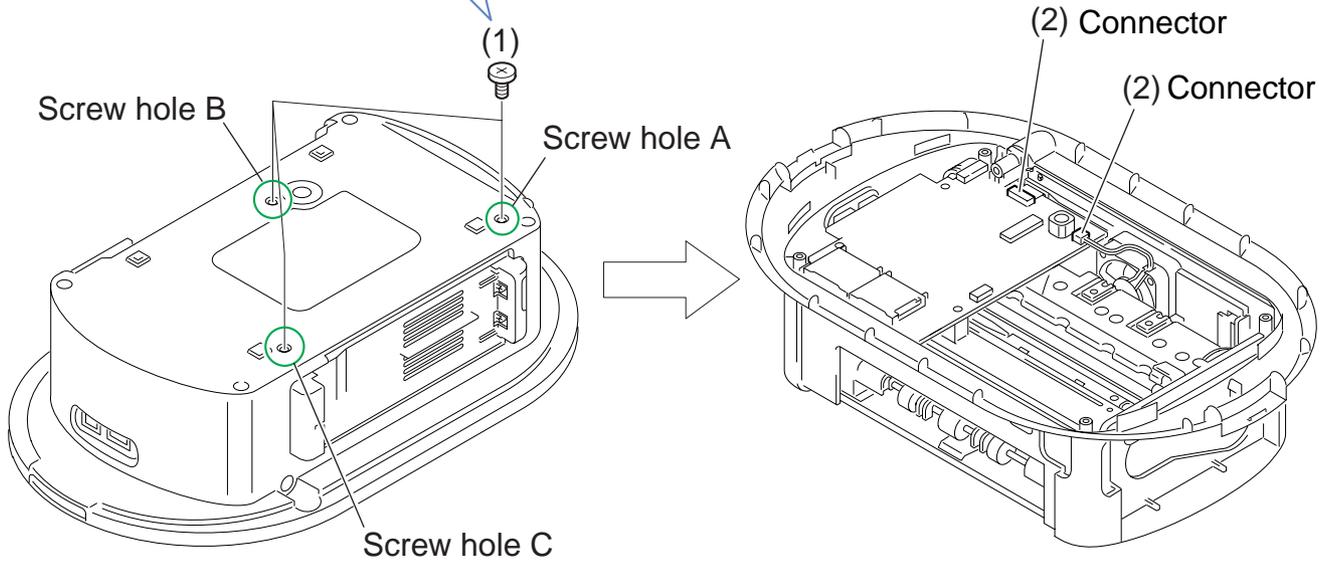


1.10 MAIN ASS'Y, BOTTOM ASS'Y-(1)

- (1) Remove the three screws.
- (2) Disconnect the two connectors.

NOTE (Assembly)

When assembling, tighten the screws in order to the screw holes A, B, and C.



1.11 MAIN ASS'Y, BOTTOM ASS'Y-(2)

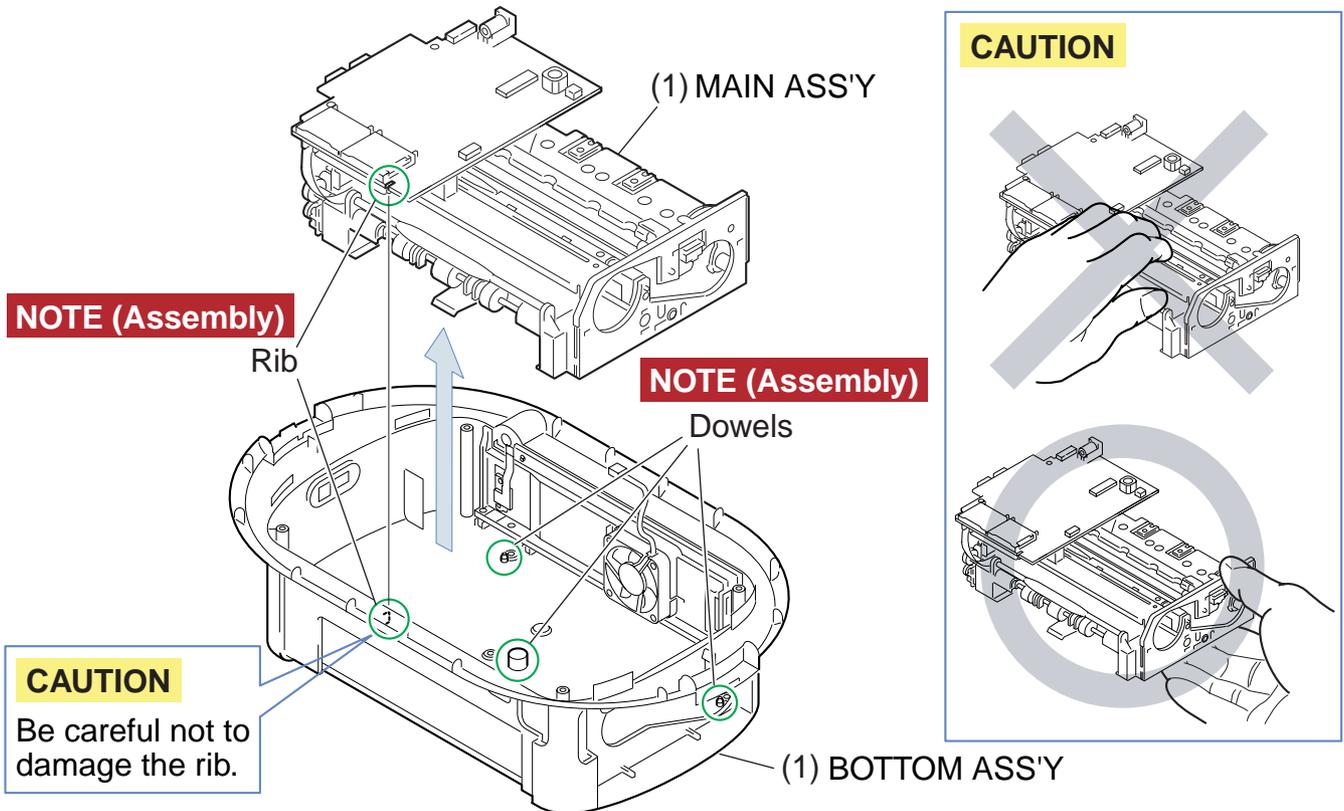
(1) Separate the MAIN ASS'Y and the BOTTOM ASS'Y.

CAUTION

Never hold the area around the front plate when separating or reassembling the MAIN ASS'Y and the BOTTOM ASS'Y. Be sure to hold the area around the cassette guide.

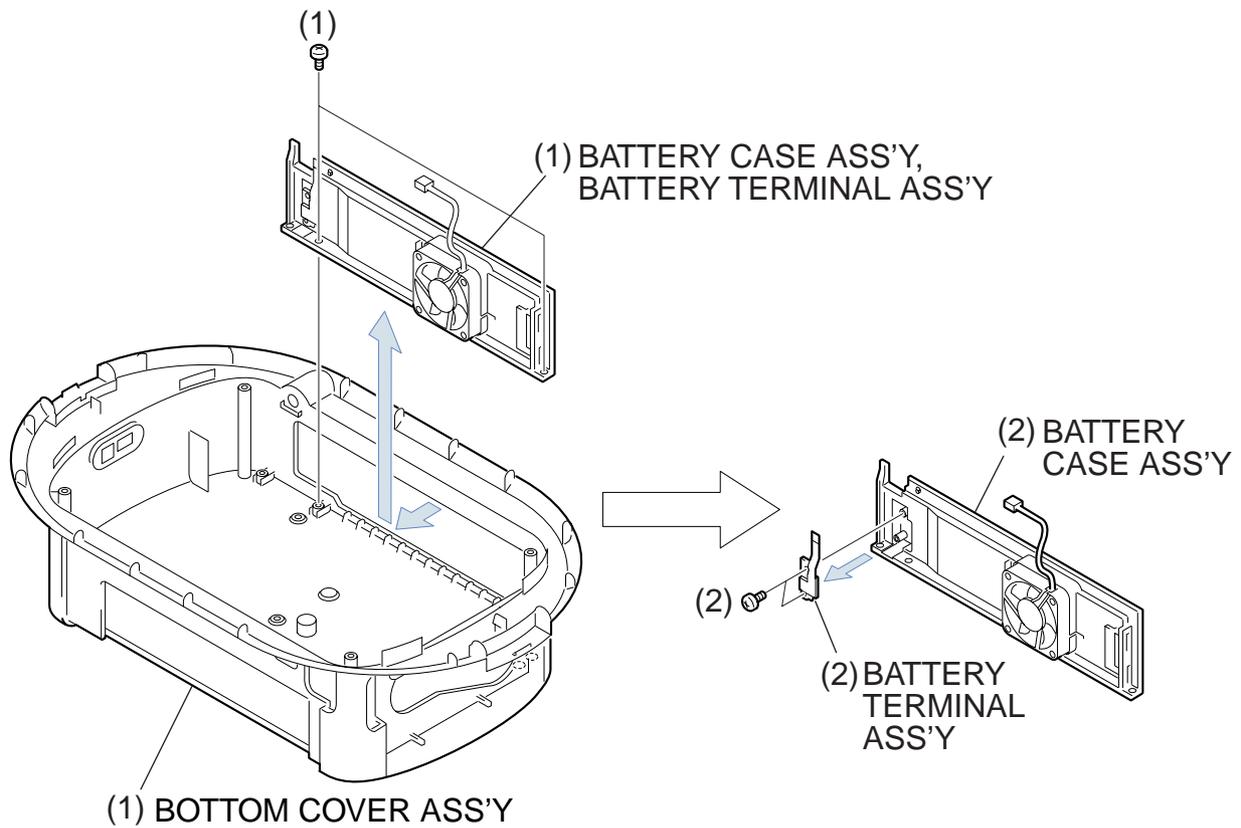
NOTE (Assembly)

After installing the MAIN ASS'Y, confirm that the three dowels and the rib are correctly engaged.



1.12 BOTTOM COVER ASS'Y, BATTERY CASE ASS'Y, BATTERY TERMINAL ASS'Y

- (1) Remove the two screws, and remove the BATTERY CASE ASS'Y and BATTERY TERMINAL ASS'Y together as an assembled unit from the BOTTOM COVER ASS'Y.
- (2) Remove the two screws, and separate the BATTERY TERMINAL ASS'Y from the BATTERY CASE ASS'Y.



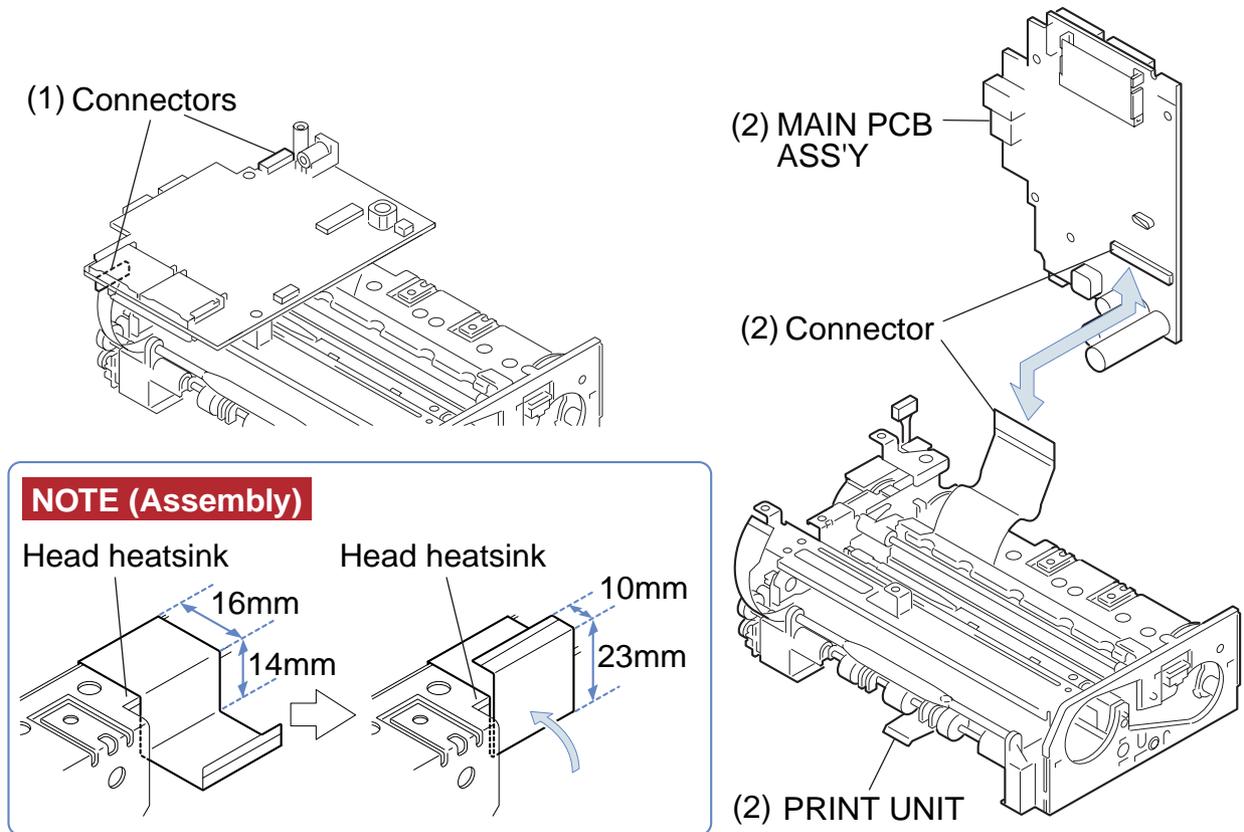
1.13 MAIN PCB ASS'Y, PRINT UNIT

- (1) Disconnect the two connectors.
- (2) Disconnect the connector, and separate the MAIN PCB ASS'Y and the PRINT UNIT.

NOTE (Assembly)

Using the edge of the head heatsink as a guide, fold the FLAT CABLE as shown in the figure. Set the INK CASSETTE and check if it comes out smoothly.

If the fold on the FLAT CABLE is not enough, the INK CASSETTE will not come out.

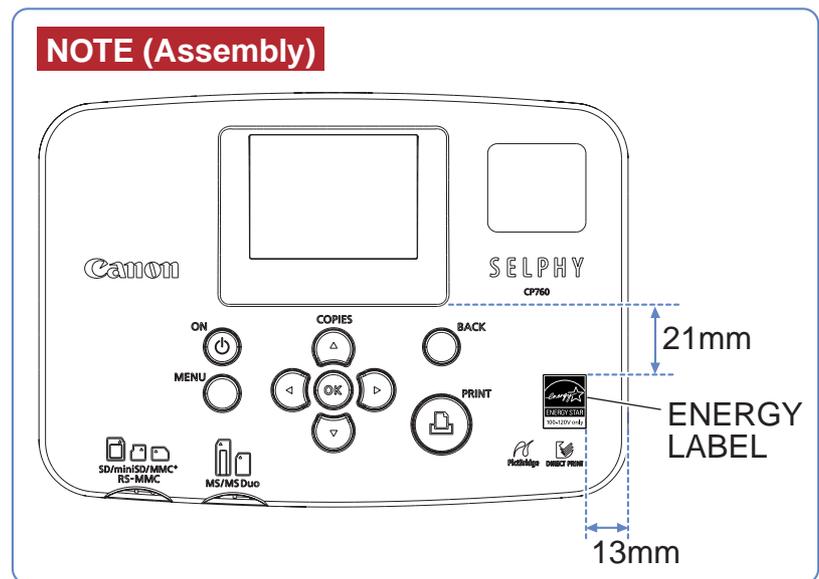
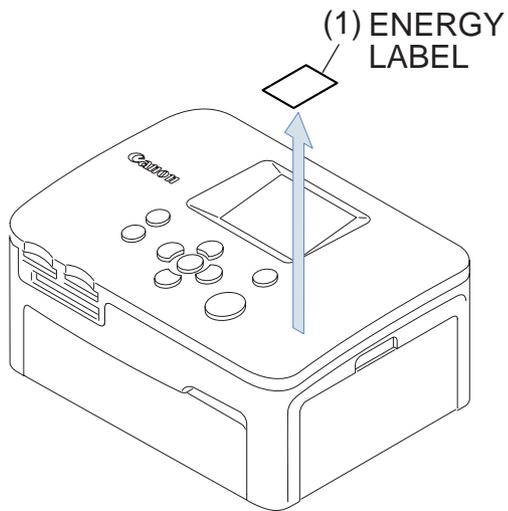


2.1 ENERGY LABEL

(1) Peel off the ENERGY LABEL.

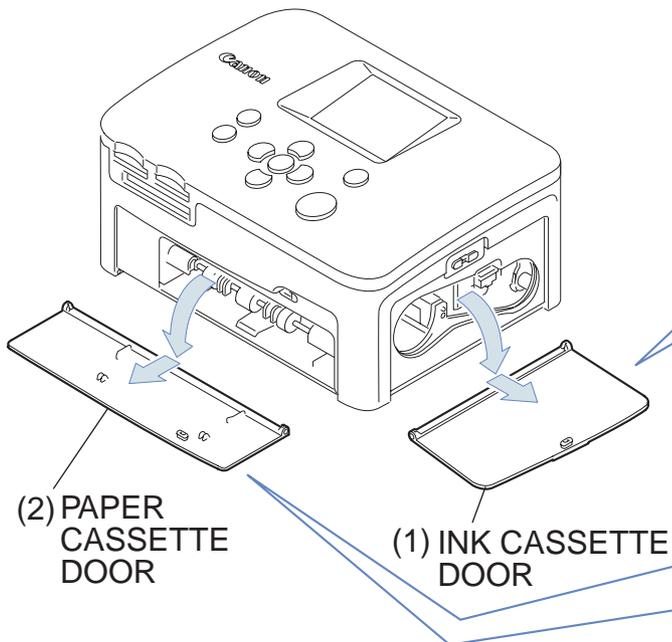
NOTE (Assembly)

Attach the ENERGY LABEL to the position shown in the figure.



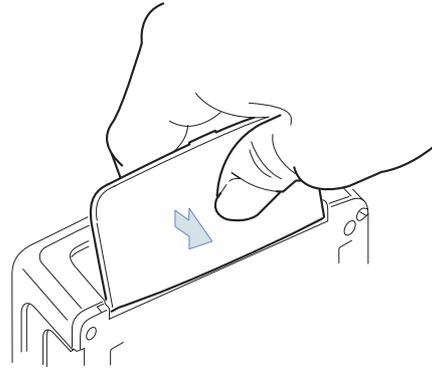
2.2 INK CASSETTE DOOR, PAPER CASSETTE DOOR

- (1) Remove the INK CASSETTE DOOR.
- (2) Remove the PAPER CASSETTE DOOR.



CAUTION

Remove the INK CASSETTE DOOR or the PAPER CASSETTE DOOR by bending it slightly in the direction of the arrow as shown in the figure.

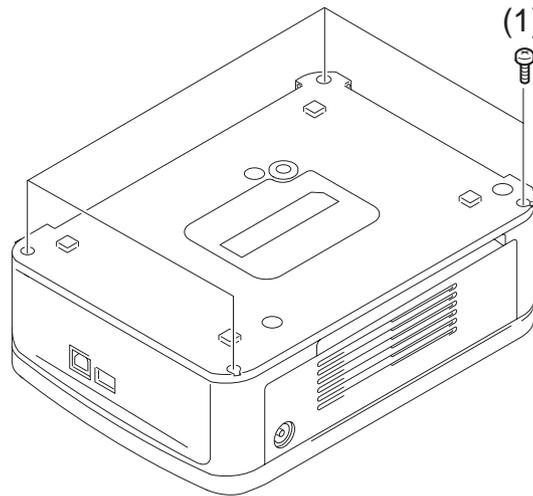


2.3 TOP COVER ASS'Y-(1)

- (1) Remove the four screws.

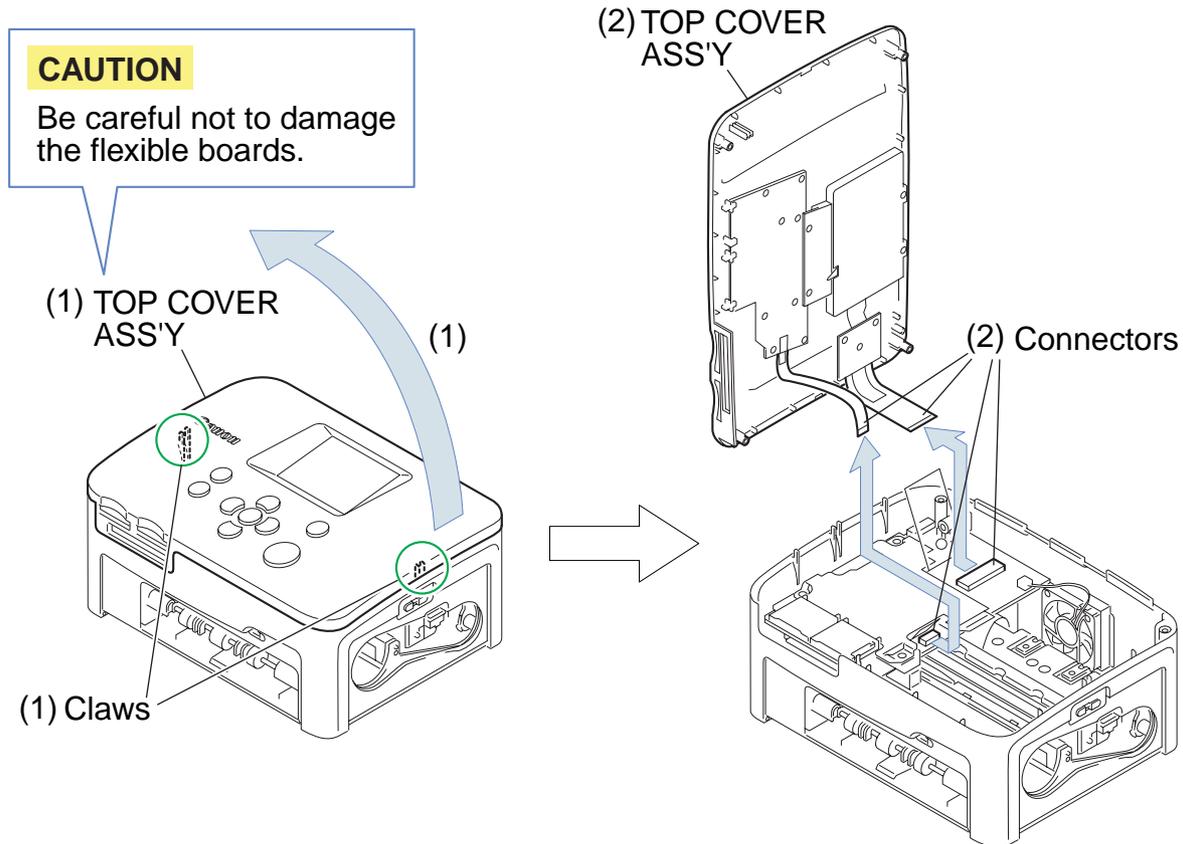
CAUTION

The slots in the top of the screws can be easily rounded off, so use the appropriate size driver for these screws and be careful when removing them.



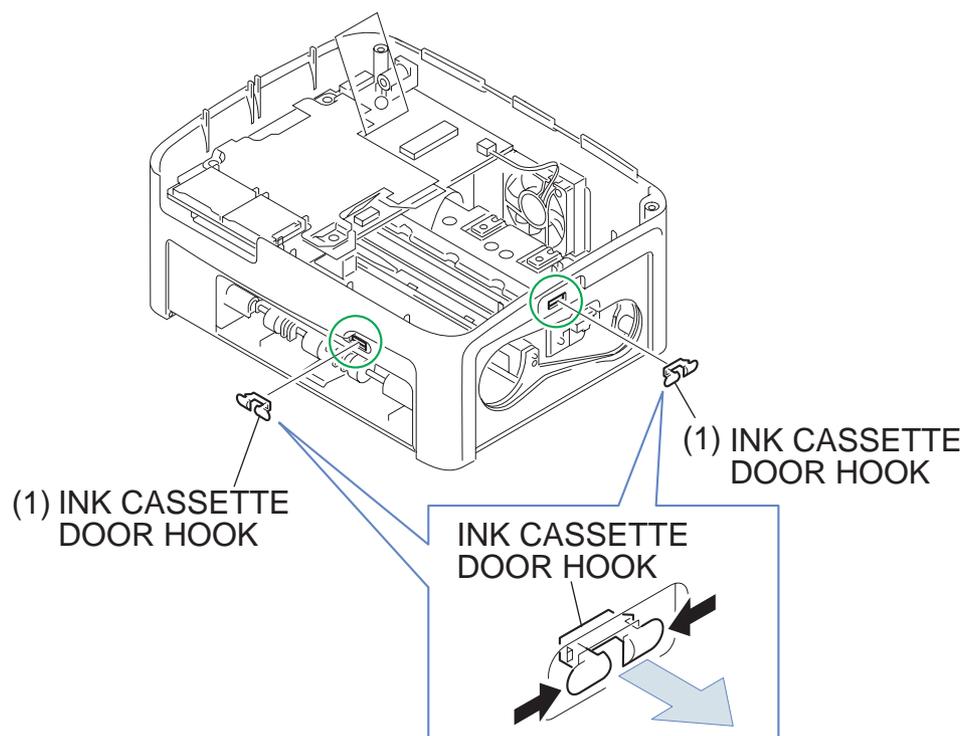
2.4 TOP COVER ASS'Y-(2)

- (1) Disengage the two claws, and open the TOP COVER ASS'Y in the direction of the arrow.
- (2) Disconnect the two connectors, and remove the TOP COVER ASS'Y.



2.5 INK CASSETTE DOOR HOOK

- (1) Remove the INK CASSETTE DOOR HOOK (2 pieces).

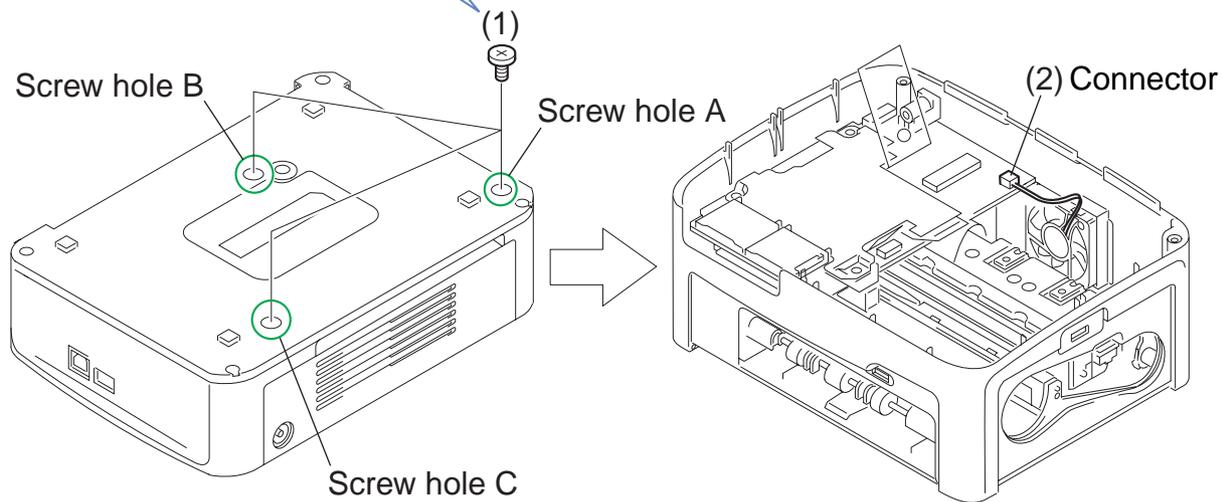


2.6 MAIN ASS'Y, BOTTOM ASS'Y-(1)

- (1) Remove the three screws.
- (2) Disconnect the connector.

NOTE (Assembly)

When assembling, tighten the screws in order to the screw holes A, B, and C.



2.7 MAIN ASS'Y, BOTTOM ASS'Y-(2)

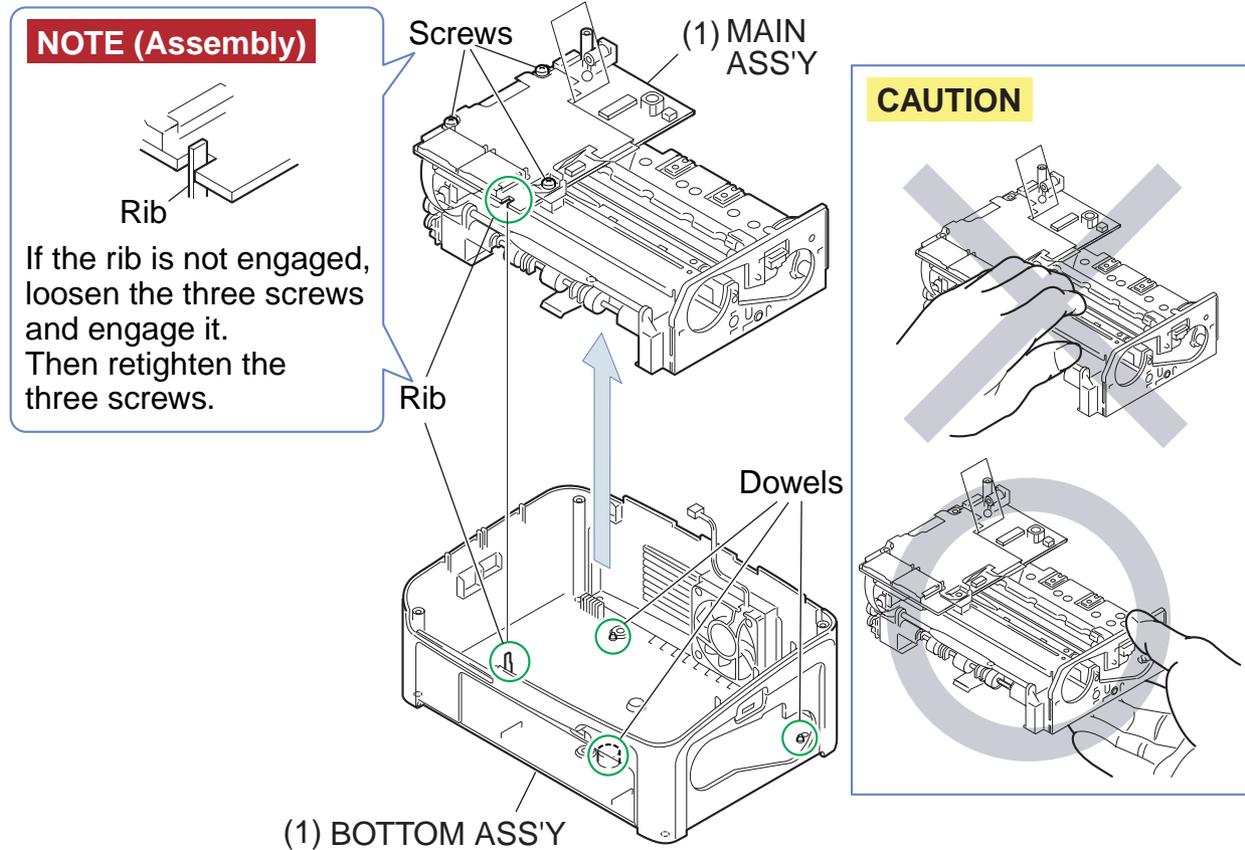
(1) Separate the MAIN ASS'Y and the BOTTOM ASS'Y.

CAUTION

Never hold the area around the front plate when separating or reassembling the MAIN ASS'Y and the BOTTOM ASS'Y. Be sure to hold the area around the cassette guide.

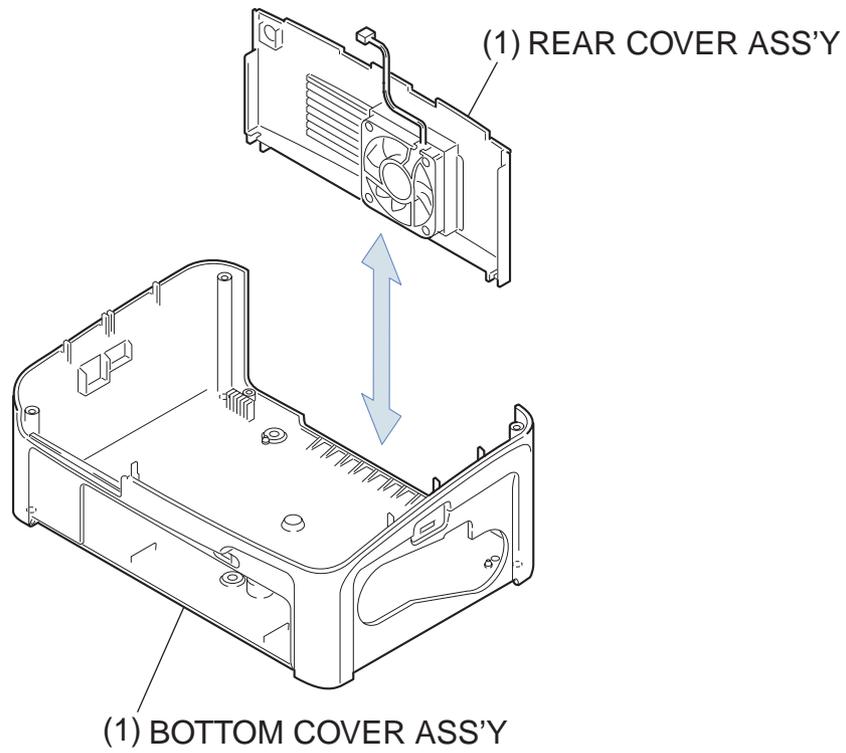
NOTE (Assembly)

After installing the MAIN ASS'Y, confirm the three dowels and rib are correctly engaged.



2.8 REAR COVER ASS'Y, BOTTOM COVER ASS'Y

- (1) Separate the REAR COVER ASS'Y from the BOTTOM COVER ASS'Y.

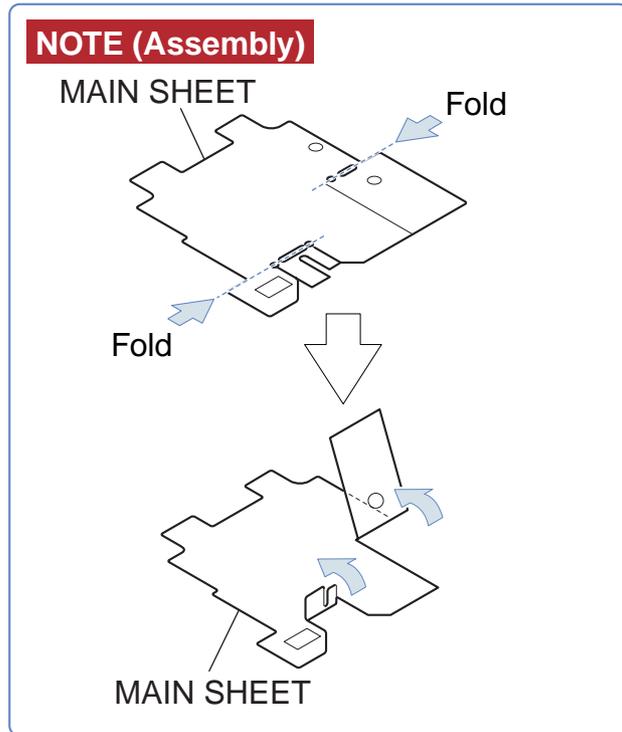
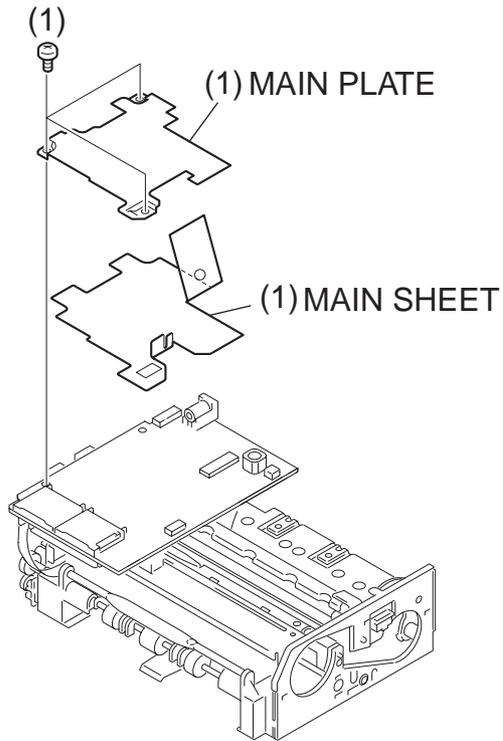


2.9 MAIN PLATE, MAIN SHEET

(1) Remove the three screws, and remove the MAIN PLATE and the MAIN SHEET.

NOTE (Assembly)

Fold the MAIN SHEET as shown in the figure.



2.10 MAIN PCB ASS'Y, PRINT UNIT

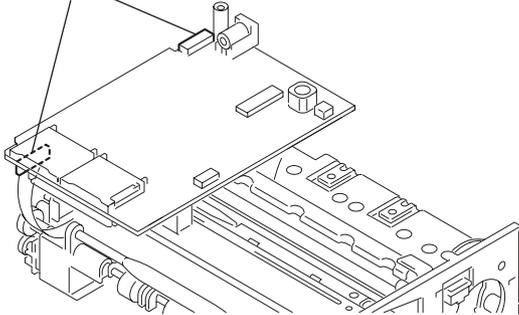
- (1) Disconnect the two connectors.
- (2) Disconnect the connector, and separate the MAIN PCB ASS'Y and the PRINT UNIT.

NOTE (Assembly)

Using the edge of the head heatsink as a guide, fold the FLAT CABLE as shown in the figure. Set the INK CASSETTE and check if it comes out smoothly.

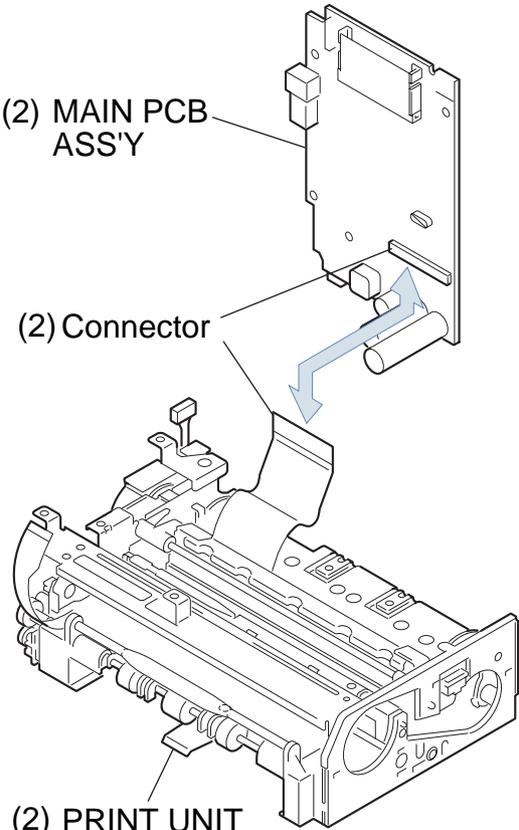
If the fold on the FLAT CABLE is not enough, the INK CASSETTE will not come out.

(1) Connectors



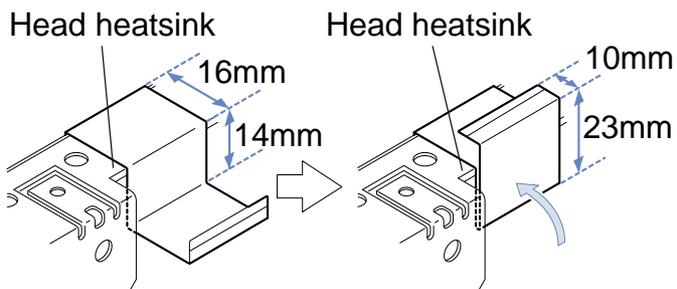
(2) MAIN PCB ASS'Y

(2) Connector



(2) PRINT UNIT

NOTE (Assembly)



ADJUSTMENT

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• SELPHY CP770

1. Head Voltage Adjustment

- Perform this adjustment when the MAIN PCB ASS'Y or the PRINT UNIT is replaced.
- When replacing the MAIN PCB ASS'Y, setting up the “Date Format” and the “Language” is required in accordance with the destination.

[Destination]

Japan ; Setting up of the following is required;
“Date Format” yy/mm/dd
“Language” Japanese

Destinations other than Japan

; Setting up is not required;
“Date Format” dd/mm/yy
“Language” English

1.1 Required Equipment

- ① SELPHY CP770 that is confirmed to operate normally. (Prepare a SELPHY CP770 in addition to the SELPHY CP770 that is brought in for repair.)
- ② SD Card in which the standard image (gry_0100.JPG in case of the file stored in Service Manual) is copied, which is supplied with this Service Manual.
Copy it to the folder “***CANON” in the SD Card. (Select the DCF format.)



- ③ Digital camera which has Direct Print function.
- ④ Interface cable supplied with the digital camera.
- ⑤ Digital voltmeter

1.2 Preparation Before Adjustment

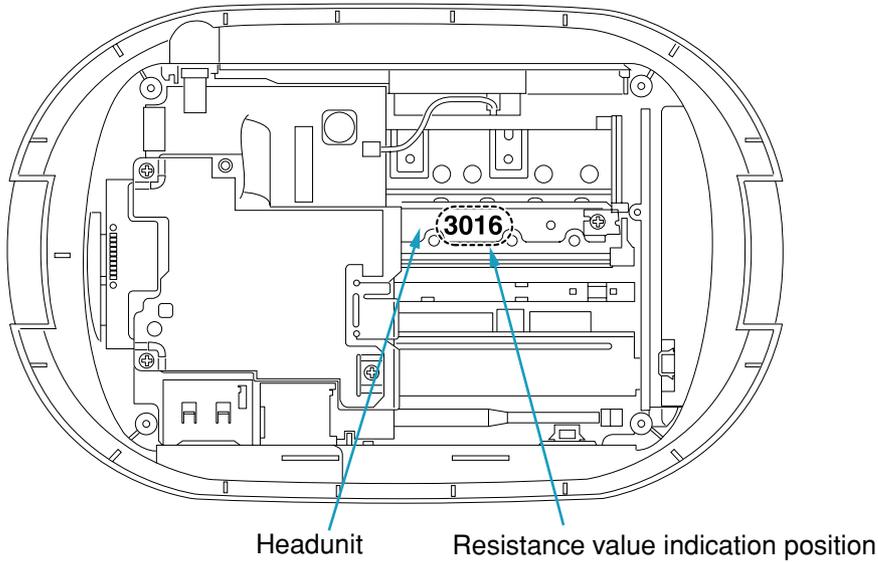
Print the standard image (②) using the SELPHY CP770 (①) that is confirmed to operate normally, via the digital camera (③).

Note: Use only the copy that was printed first.

If it fails to print, wait for five minutes and print the standard image again.

1.3 Adjustment Procedure

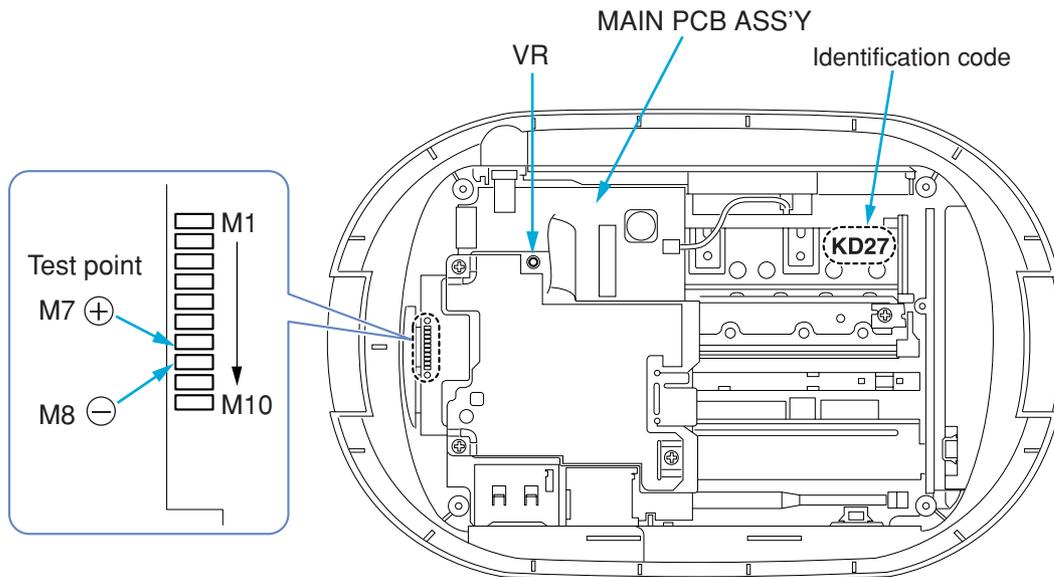
- (1) Read the resistance value (Ω) at the specified position in the illustration below.



- (2) Calculate the Voltage value as below.

Note: The calculation formula differs depending on the identification number indicated on the head unit.

There are two identification codes, KD27.



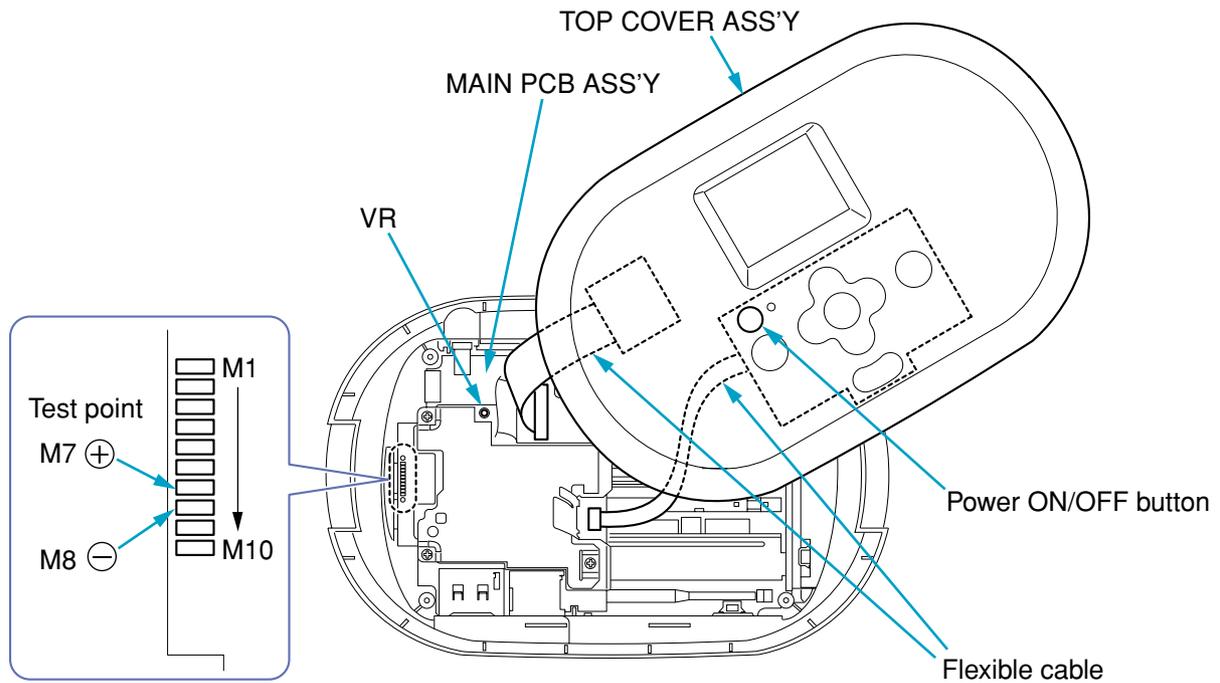
■ Identification code: KD27

Voltage value = $\sqrt{\text{Resistance value} \times 0.0845}$

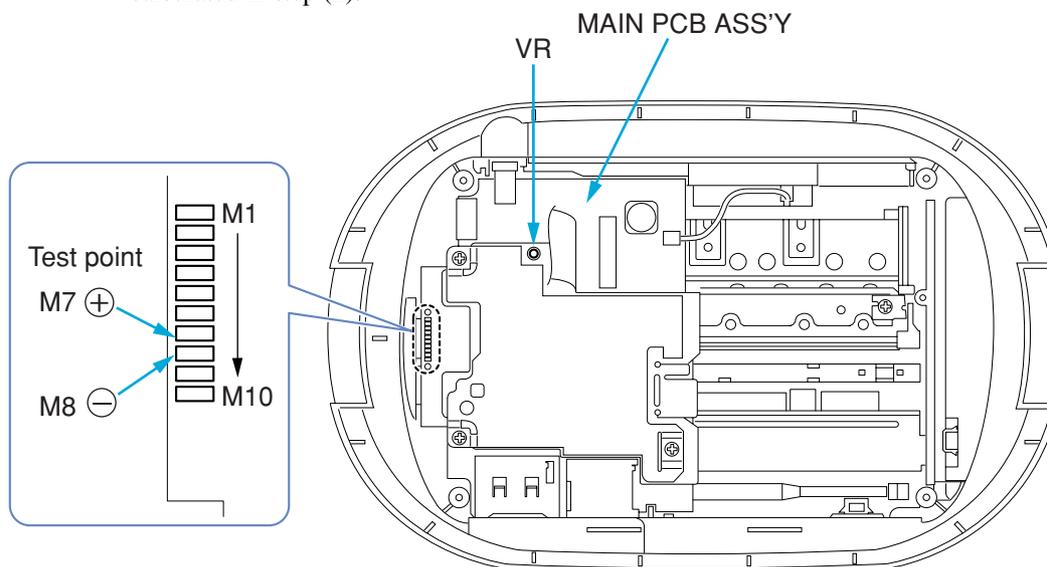
For example, when the resistance value is 3016 Ω

Voltage value = $\sqrt{3016 \Omega \times 0.0845} \doteq 15.964V$

- (3) Turn on the power to the main unit.
After connecting TOP COVER ASS'Y and the main unit only with the flexible cable, press the power ON/OFF button to turn on the power to the main unit.



- (4) Attach the screws and the connector removed in step (1), and then remove the TOP COVER SECTION. Connect the SELPHY CP770 and the digital camera with the interface cable to make direct printing possible.
- (5) While Printing an arbitrary image from the digital camera, measure the voltage of the test points (+, -) during printing, and adjust the volume (VR) so that the voltage value is within ± 0.03 V of the voltage value calculated in step (2).

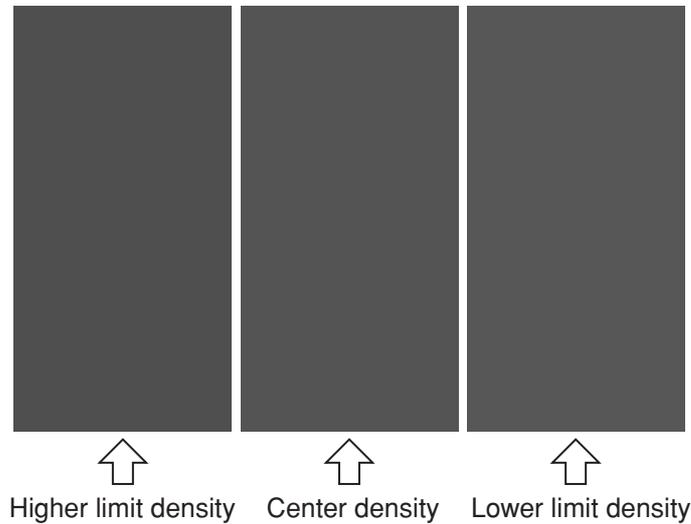


- (6) After the voltage is adjusted, wait for five minutes.
- (7) Print the standard image (②).

Note: Use only the copy that was printed first.

If it fails to print, wait for five minutes and print the standard image again.

- (8) Confirm that the center density of the printed image is between the lower limit density and the higher limit density as shown. If the center density is between them, this is the end of the adjustment. If it is not, go to step (9) and the following steps.



- (9) While printing an arbitrary image, measure the voltage of the test point while printing is in progress. When the printed image is denser than the higher limit density, adjust the control volume so that the test point voltage is decreased by 0.3V lower than the specified voltage. When the printed image is less dense than the lower limit density, adjust the control volume so that the test point voltage is increased by 0.3V higher than the specified voltage.
- (10) Repeat steps (6) to (8). If the printed image still does not satisfy the specification, increase or decrease the voltage by assumption and repeat steps (6) to (8) again.

2. Checking and Changing the Total Number of Printed Sheets

For SELPHY CP770, the total number of printed sheets can be checked and changed by using the software for checking and changing the total number of printed sheets. Perform this operation if the total number of printed sheets needs to be changed when repairs are made.

2.1 Required Equipment

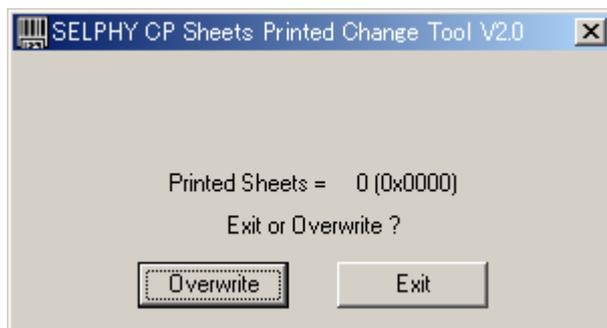
- ① Computer on which the printer driver for SELPHY CP770 is installed
(Supported OSes: Windows 2000 and Windows XP)
- ② USB cable (Commercially available)
- ③ Software for checking and changing the total number of printed sheets for SELPHY CP770 “CP770 Sheets Printed Change Software” (Download from SSIS)

2.2 Procedure for Checking and Changing

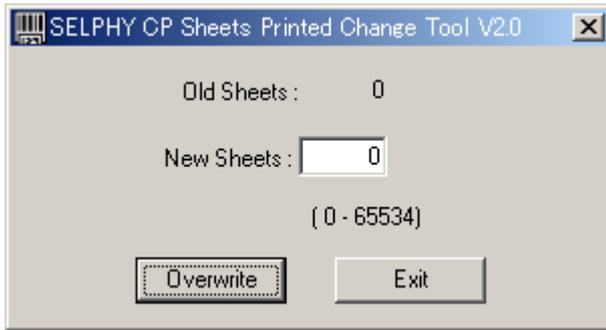
- (1) Connect the SELPHY CP770 and the computer with the USB cable, and turn on the power to the SELPHY CP770.
Double-click on CP770FVC.exe to start the software.
When the dialog box below appears, click the [Start] button.



- (2) The total number of printed sheets is displayed in the dialog box below.
Check the total number of printed sheets. To leave the number unchanged, click the [Exit] button to exit the software.
To change the number, click the [Overwrite] button.



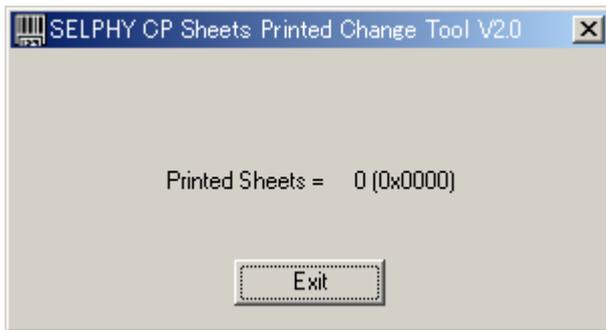
- (3) Enter the total number of printed sheets to change to in the box on the right side of “New Sheets” in the dialog box below, and click the [Overwrite] button.



- (4) Check the entered total number of printed sheets displayed in the dialog box below, and click the [OK] button.



- (5) The total number of printed sheets after the change is displayed in the dialog box below. Click the [Exit] button to exit the software. (The power to the printer turns off at the same time.)



• SELPHY CP760

1. Head Voltage Adjustment

Perform this adjustment when the PRINT UNIT is replaced.

1.1 Required Equipment

- ① SELPHY CP760 that is confirmed to operate normally. (Prepare a SELPHY CP760 in addition to the SELPHY CP760 that is brought in for repair.)
- ② SD Card in which the standard image (gry_0100.JPG in case of the file stored in Service Manual) is copied, which is supplied with this Service Manual.
Copy it to the folder “***CANON” in the SD Card. (Select the DCF format.)



- ③ Digital camera which has Direct Print function.
- ④ Interface cable supplied with the digital camera.
- ⑤ Digital voltmeter

1.2 Preparation Before Adjustment

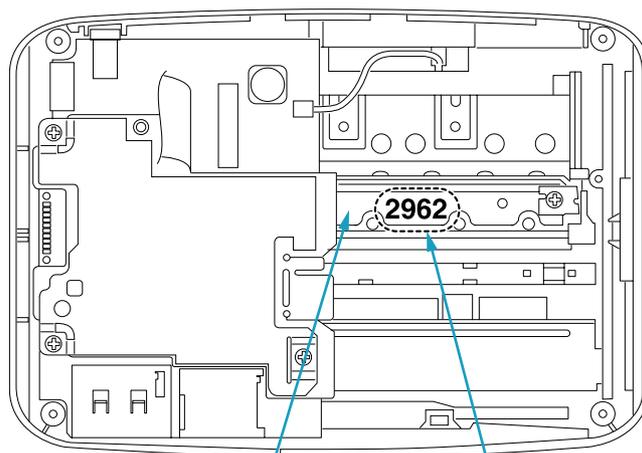
Print the standard image (②) using the SELPHY CP760 (①) that is confirmed to operate normally, via the digital camera (③).

Note: Use only the copy that was printed first.

If it fails to print, wait for five minutes and print the standard image again.

1.3 Adjustment Procedure

- (1) Read the resistance value (Ω) at the specified position in the illustration below.

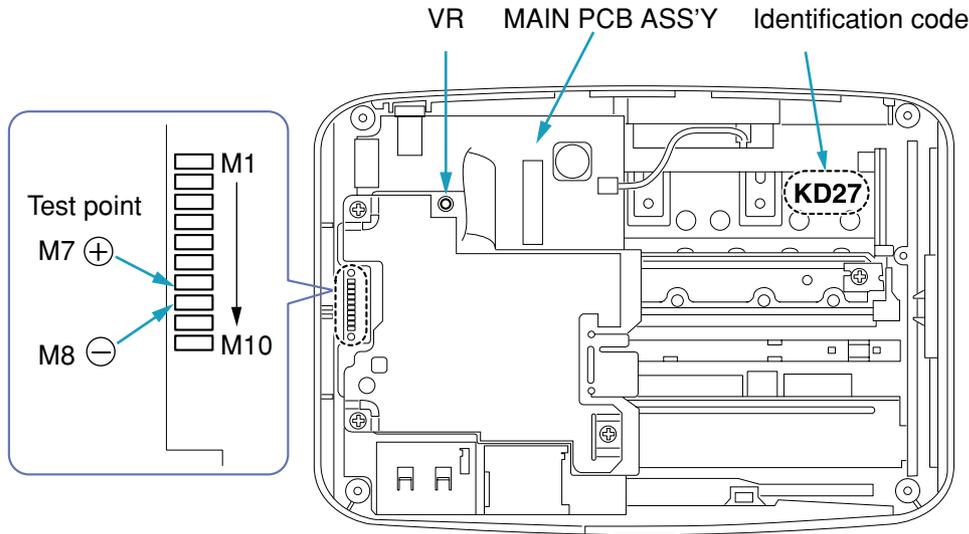


Headunit Resistance value indication position

(2) Calculate the Voltage value as below.

Note: The calculation formula differs depending on the identification number indicated on the head unit.

There are two identification codes, KD27.



■ Identification code: KD27

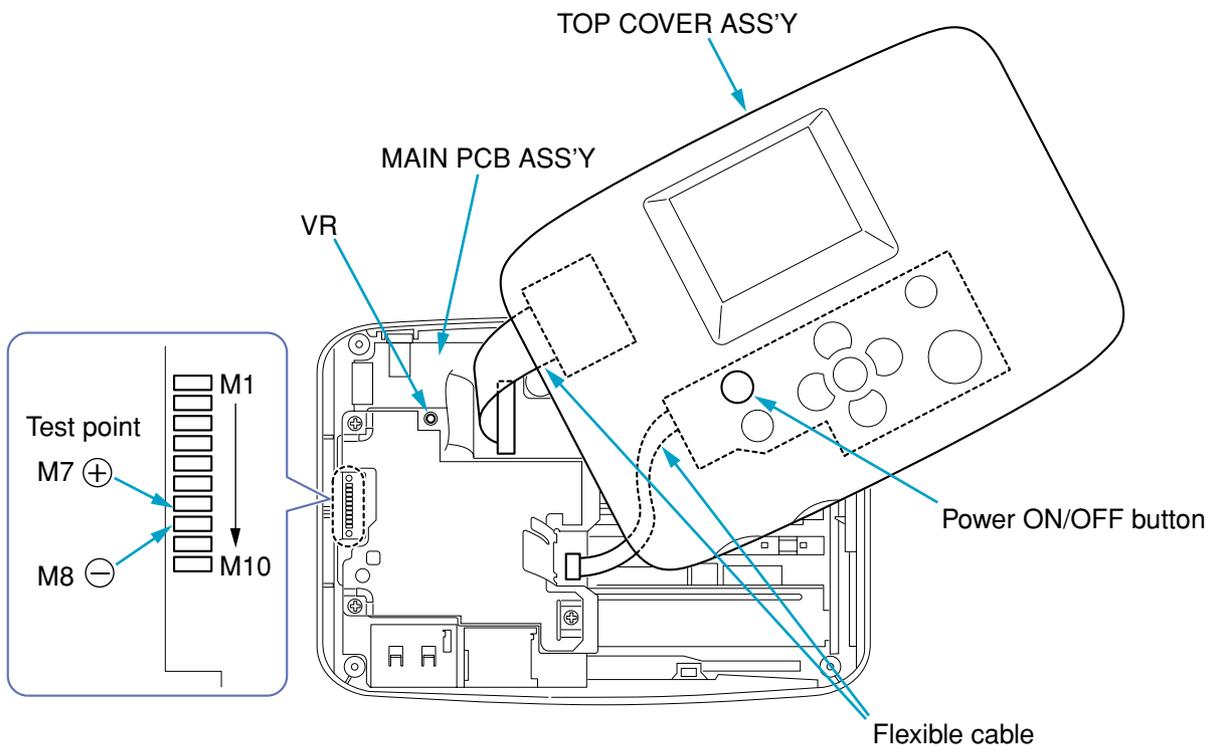
Voltage value = $\sqrt{\text{Resistance value} \times 0.0845}$

For example, when the resistance value is 2962 Ω

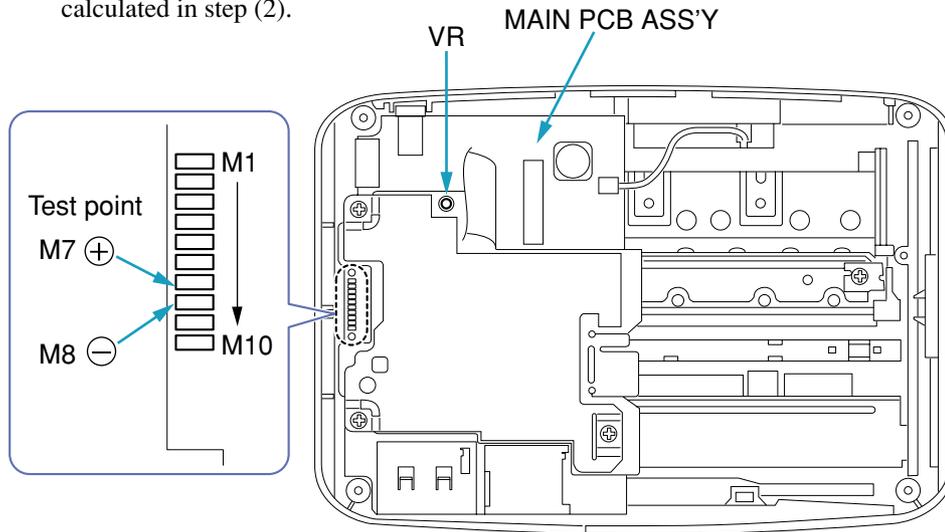
Voltage value = $\sqrt{2962 \Omega \times 0.0845} \doteq 15.820 \text{ V}$

(3) Turn on the power to the main unit.

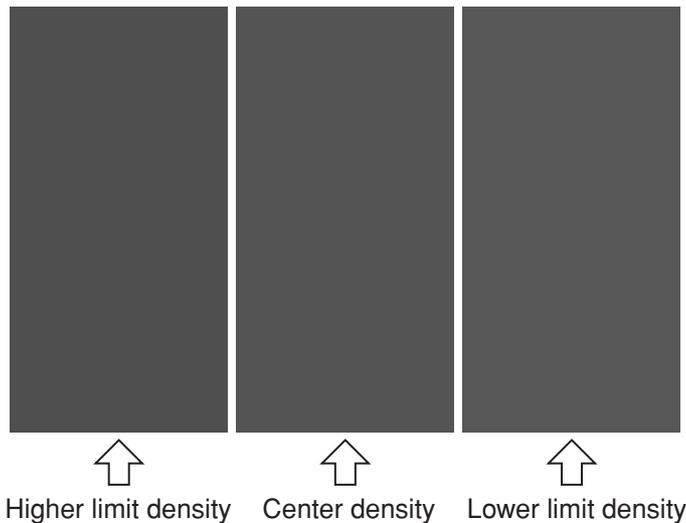
After connecting TOP COVER ASS'Y and the main unit only with the flexible cable, press the power ON/OFF button to turn on the power to the main unit.



- (4) Attach the screws and the connector removed in step (1), and then remove the TOP COVER SECTION. Connect the SELPHY CP760 and the digital camera with the interface cable to make direct printing possible.
- (5) While Printing an arbitrary image from the digital camera, measure the voltage of the test points (+, -) during printing, and adjust the volume (VR) so that the voltage value is within ± 0.03 V of the voltage value calculated in step (2).



- (6) After the voltage is adjusted, wait for five minutes.
- (7) Print the standard image (②).
Note: Use only the copy that was printed first.
 If it fails to print, wait for five minutes and print the standard image again.
- (8) Confirm that the center density of the printed image is between the lower limit density and the higher limit density as shown. If the center density is between them, this is the end of the adjustment. If it is not, go to step (9) and the following steps.



- (9) While printing an arbitrary image, measure the voltage of the test point while printing is in progress. When the printed image is denser than the higher limit density, adjust the control volume so that the test point voltage is decreased by 0.3V lower than the specified voltage. When the printed image is less dense than the lower limit density, adjust the control volume so that the test point voltage is increased by 0.3V higher than the specified voltage.
- (10) Repeat steps (6) to (8). If the printed image still does not satisfy the specification, increase or decrease the voltage by assumption and repeat steps (6) to (8) again.

2. Checking and Changing the Total Number of Printed Sheets

For SELPHY CP760, the total number of printed sheets can be checked and changed by using the software for checking and changing the total number of printed sheets. Perform this operation if the total number of printed sheets needs to be changed when repairs are made.

2.1 Required Equipment

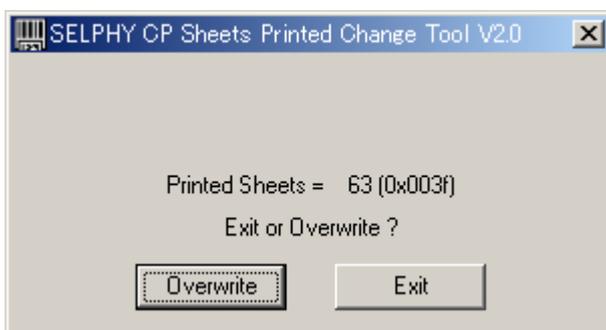
- ① Computer on which the printer driver for SELPHY CP760 is installed
(Supported OSes: Windows 2000 and Windows XP)
- ② USB cable (Commercially available)
- ③ Software for checking and changing the total number of printed sheets for SELPHY CP760 “CP760 Sheets Printed Change Software” (Download from SSIS)

2.2 Procedure for Checking and Changing

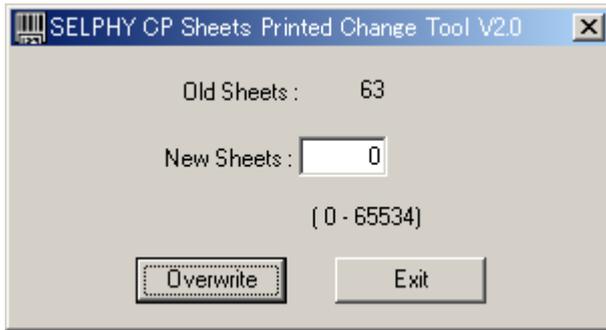
- (1) Connect the SELPHY CP760 and the computer with the USB cable, and turn on the power to the SELPHY CP760.
Double-click on CP760FVC.exe to start the software.
When the dialog box below appears, click the [Start] button.



- (2) The total number of printed sheets is displayed in the dialog box below.
Check the total number of printed sheets. To leave the number unchanged, click the [Exit] button to exit the software.
To change the number, click the [Overwrite] button.



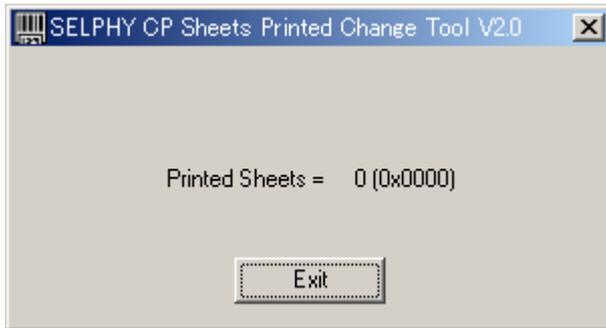
- (3) Enter the total number of printed sheets to change to in the box on the right side of “New Sheets” in the dialog box below, and click the [Overwrite] button.



- (4) Check the entered total number of printed sheets displayed in the dialog box below, and click the [OK] button.



- (5) The total number of printed sheets after the change is displayed in the dialog box below. Click the [Exit] button to exit the software. (The power to the printer turns off at the same time.)



1. Operation Conditions

Adobe Acrobat Reader (Adobe Reader) 4.0 or above

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