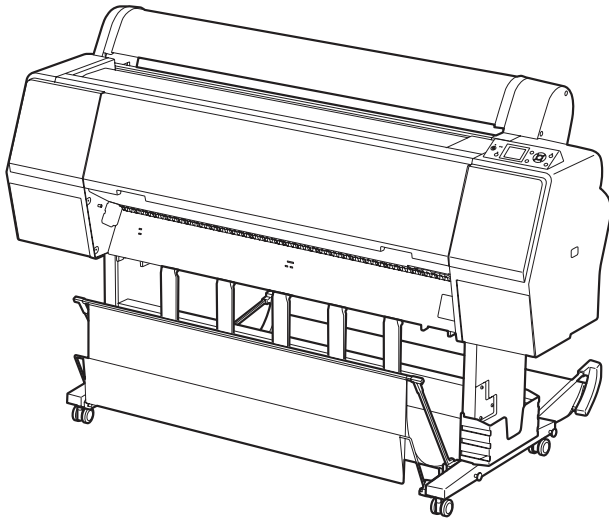


# SERVICE MANUAL



*Large Format Color Inkjet Printer*

**Epson Stylus Pro 7900 / 9900**  
**Epson Stylus Pro 7910 / 9910**

# PRECAUTIONS

Precautionary notations throughout the text are categorized relative to 1) Personal injury and 2) Damage to equipment.

***DANGER*** Signals a precaution which, if ignored, could result in serious or fatal personal injury. Great caution should be exercised in performing procedures preceded by DANGER Headings.

***WARNING*** Signals a precaution which, if ignored, could result in damage to equipment.

The precautionary measures itemized below should always be observed when performing repair/maintenance procedures.

## ***DANGER***

1. ALWAYS DISCONNECT THE PRODUCT FROM THE POWER SOURCE AND PERIPHERAL DEVICES PERFORMING ANY MAINTENANCE OR REPAIR PROCEDURES.
2. NO WORK SHOULD BE PERFORMED ON THE UNIT BY PERSONS UNFAMILIAR WITH BASIC SAFETY MEASURES AS DICTATED FOR ALL ELECTRONICS TECHNICIANS IN THEIR LINE OF WORK.
3. WHEN PERFORMING TESTING AS DICTATED WITHIN THIS MANUAL, DO NOT CONNECT THE UNIT TO A POWER SOURCE UNTIL INSTRUCTED TO DO SO. WHEN THE POWER SUPPLY CABLE MUST BE CONNECTED, USE EXTREME CAUTION IN WORKING ON POWER SUPPLY AND OTHER ELECTRONIC COMPONENTS.
4. WHEN DISASSEMBLING OR ASSEMBLING A PRODUCT, MAKE SURE TO WEAR GLOVES TO AVOID INJURY FROM METAL PARTS WITH SHARP EDGES.

## ***WARNING***

1. REPAIRS ON EPSON PRODUCT SHOULD BE PERFORMED ONLY BY AN EPSON CERTIFIED REPAIR TECHNICIAN.
2. MAKE CERTAIN THAT THE SOURCE VOLTAGES IS THE SAME AS THE RATED VOLTAGE, LISTED ON THE SERIAL NUMBER/RATING PLATE. IF THE EPSON PRODUCT HAS A PRIMARY AC RATING DIFFERENT FROM AVAILABLE POWER SOURCE, DO NOT CONNECT IT TO THE POWER SOURCE.
3. ALWAYS VERIFY THAT THE EPSON PRODUCT HAS BEEN DISCONNECTED FROM THE POWER SOURCE BEFORE REMOVING OR REPLACING PRINTED CIRCUIT BOARDS AND/OR INDIVIDUAL CHIPS.
4. IN ORDER TO PROTECT SENSITIVE MICROPROCESSORS AND CIRCUITRY, USE STATIC DISCHARGE EQUIPMENT, SUCH AS ANTI-STATIC WRIST STRAPS, WHEN ACCESSING INTERNAL COMPONENTS.
5. REPLACE MALFUNCTIONING COMPONENTS ONLY WITH THOSE COMPONENTS BY THE MANUFACTURE; INTRODUCTION OF SECOND-SOURCE ICs OR OTHER NON-APPROVED COMPONENTS MAY DAMAGE THE PRODUCT AND VOID ANY APPLICABLE EPSON WARRANTY.
6. WHEN AIR DUSTER IS USED ON THE REPAIR AND THE MAINTENANCE WORK, THE USE OF THE AIR DUSTER PRODUCTS CONTAINING THE INFLAMMABLE GAS IS PROHIBITED.

# About This Manual

This manual describes basic functions, theory of electrical and mechanical operations, maintenance and repair procedures of the printer. The instructions and procedures included herein are intended for the experienced repair technicians, and attention should be given to the precautions on the preceding page.

## *Manual Configuration*

This manual consists of six chapters and Appendix.

### **CHAPTER 1.PRODUCT DESCRIPTIONS**

Provides a general overview and specifications of the product.

### **CHAPTER 2.OPERATING PRINCIPLES**

Describes the theory of electrical and mechanical operations of the product.

### **CHAPTER 3.TROUBLESHOOTING**

Describes the step-by-step procedures for the troubleshooting.

### **CHAPTER 4.DISASSEMBLY / ASSEMBLY**

Describes the step-by-step procedures for disassembling and assembling the product.

### **CHAPTER 5.ADJUSTMENT**

Provides Epson-approved methods for adjustment.

### **CHAPTER 6.MAINTENANCE**

Provides preventive maintenance procedures and the lists of Epson-approved lubricants and adhesives required for servicing the product.

## *Symbols Used in this Manual*

Various symbols are used throughout this manual either to provide additional information on a specific topic or to warn of possible danger present during a procedure or an action. Be aware of all symbols when they are used, and always read NOTE, CAUTION, or WARNING messages.



Indicates an operating or maintenance procedure, practice or condition that is necessary to keep the product's quality.



Indicates an operating or maintenance procedure, practice, or condition that, if not strictly observed, could result in damage to, or destruction of, equipment.



May indicate an operating or maintenance procedure, practice or condition that is necessary to accomplish a task efficiently. It may also provide additional information that is related to a specific subject, or comment on the results achieved through a previous action.



Indicates an operating or maintenance procedure, practice or condition that, if not strictly observed, could result in injury or loss of life.



Indicates that a particular task must be carried out according to a certain standard after disassembly and before re-assembly, otherwise the quality of the components in question may be adversely affected.

## Revision Status

Revision	Date of Issue	Description
A	October 20, 2008	First release
B	November 25, 2008	Full-fledged revision
C	March 27, 2009	Full-fledged revision

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CHAPTER

1

# PRODUCT DESCRIPTION

## 1.1 Product Description

Epson Stylus Pro 7900/7910/9900/9910 is a wide-format color inkjet printer that supports up to 44 inch-wide (Super B0)/24 inch-wide (Super A1) paper. The main features are;

☐ Supports very large-sized paper

Maximum available paper width:

Epson Stylus Pro 9900/9910      1,118 mm (44 inch)

Epson Stylus Pro 7900/7910      610 mm (24 inch)

☐ Ink configuration

Installs the following 11 ink cartridges including newly developed colors; orange and green. The ink selector function is equipped, and black ink can be switched between Photo Black and Matte Black depending on media type.

**Table 1-1. Ink Colors**

Color	Abbreviation
Photo Black	PK
Matte Black	MK
Cyan	C
Vivid Magenta	VM
Yellow	Y
Light Cyan	Lc
Orange	O
Green	G
Light Cyan	LC
Vivid Light Magenta	VLM
Light Black	LK
Light Light Black	LLK

☐ Super high print quality

Achieves high quality printing with 11 colors of ink, resolution of up to 2880 x 1440 dpi, and variable dot sizes (minimal 3.5 picoliter)

☐ Lower running cost

- Employs super high-capacity (700 ml/350 ml) independent ink cartridges
- Equips the on-demand cleaning function without excessive suction of ink using the independent ink suction system for every two rows and the AID function

☐ Media handling

- Supports a variety of media
- Spindle-less makes roll paper handling easier
- Paper basket comes as standard
- Stores roll paper usage history and updates it automatically by reading a barcode. This enables automatic detection of remaining amount of the paper.
- Equips high speed auto cutter for roll paper
- Borderless print is supported

☐ The latest-type RIP

Supports software RIP made by other companies

☐ Options

The following options are available.

- Auto Take-up Reel (Epson Stylus Pro 9900/9910 only)  
Winds the roll paper automatically
- SpectroProofer  
Enables color measurement after printing



□ SpectroProofer (Option)

- Mounting the SpectroProofer equipped with the drying function makes automatic color measurement after printing available.
- Full-fledged spectrophotometer realizes high precision color measurement.
- Selectable from specifications with/without the UV filter, which enables the users to configure colorimetric system adjusted with their workflow
- Cooling fans for drying ink stabilizes color in less than 2 minutes.
- Paper pressing function prevents degrading precision of colorimetry caused by floating of paper.
- Selectable from the white backing or the black backing

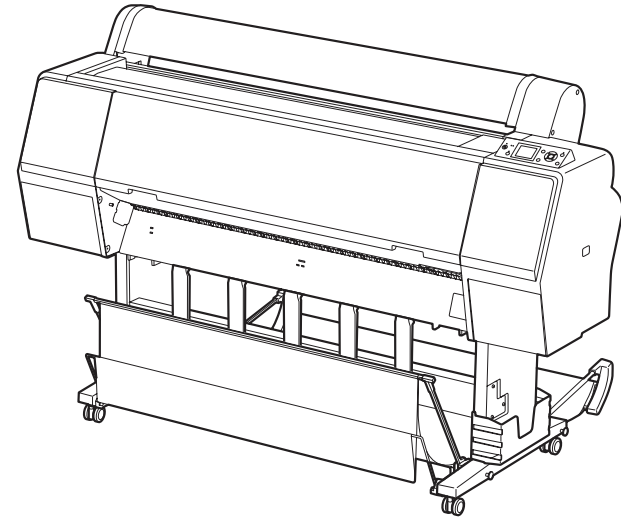


Figure 1-1. External View (Main body)

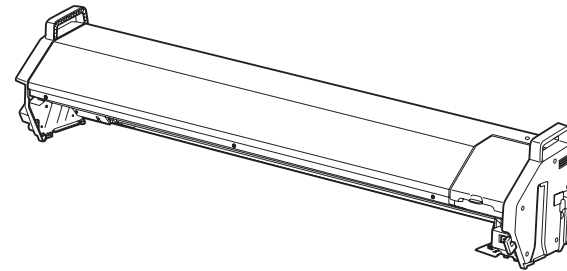


Figure 1-2. External View (SpectroProofer)

## 1.2 Basic Specifications

### 1.2.1 Basic Specifications

Item		Specification
Print method		On-demand inkjet
Printhead	Nozzle configuration	Black system: 360 nozzles for three colors (Photo black/Matte black, Light black, Light light black)
		Color system: 360 nozzles for seven colors (Cyan, Light Cyan, Vivid magenta, Vivid light magenta, Yellow, Orange, Green)
Printing direction		Bi-directional shortest-direction printing (high-speed return, high-speed skip)
Maximum resolution		2,880dpi x 1,440dpi
Control code		ESC/P2, ESC/P3 (commands are nondisclosure)
Paper feed method		Friction
RAM		256 MB for Main, 64 MB for Network
Interface		USB 2.0 High Speed Ethernet 10/100

### 1.2.2 Electric Specifications

Item		Specification	
		Epson Stylus Pro 9900 Epson Stylus Pro 9910	Epson Stylus Pro 7900 Epson Stylus Pro 7910
Rated voltage		100 to 240 VAC	
Input voltage range		90 to 264 VAC	
Rated frequency		50 to 60 Hz	
Input frequency range		49.5 to 60.5 Hz	
Rated current		1.0 A to 0.5 A	
Power consumption	Operating	Approx. 80 W	Approx. 70 W
	Sleep mode	Approx. 16 W	
	Standby	Less than 1W	
Insulation resistance		10MΩ or more (between AC line and chassis at 500 VDC)	
Dielectric strength		1.0 kVrms AC for 1 min. or 1.2 kVrms AC for 1 sec. (between AC line and chassis)	
Leak current		0.25 mA or less	
Compliance with regulations		Conforms to International Energy Star Program (Category: the harmonic restraint measure guideline) Conforms to VCCI Class B (with full options installed)	

### 1.2.3 Ink Specifications

Item		Specification
Form		Exclusive ink cartridge
Pigment Ink colors		Black system: Photo black, Matte black, Light black, Light light black
		Color system: Cyan, Light Cyan, Vivid magenta, Vivid light magenta, Yellow, Orange, Green
Cartridge life		By the date written on the package or the cartridge (at normal temperature)
Guaranteed life after installation		Within 6 months after mounted in the printer
Storage	Uninstalled (packed)	-20 to 40 °C (within 1 month under 40 °C)
	Installed	-20 to 40°C (within 1 month under 40 °C)
	Transporting (packed)	-20 to 60 °C (within 72 hours under 60 °C, and within 1 month under 40 °C)
Capacity		350 ml / 700 ml
Dimensions	350 ml	40 (W) x 240 (L) x 107 (H)
	700ml	40 (W) x 320 (L) x 107 (H)

**CAUTION**


- Ink will be frozen if left under below -15°C circumstances for a long time. In such a case, leave it in the room temperature more than 4 hours to melt the frozen ink before using it. (no condensation)
- Never disassemble ink cartridges or refill ink in them.

### 1.2.4 General Specifications

Item	Specification
Temperature	Operating: 10 to 35 °C Storage (before unpacked): -20 to 60 °C (within 120 hours under 60 °C, and within 1 month under 40 °C) Storage (after unpacked): -20 to 40 °C (within 1 month under 40°C)
Humidity	Operating: 20 to 80% (no condensation) Storage (before unpacked): -20 to 85% (no condensation) Storage (after unpacked): 5 to 85% (no condensation)  <div> <p><b>Humidity (%)</b></p> <p><b>Temperature (°C)</b></p> </div>
Weight (Printer main body, Stand and Paper Basket)	Pro 9900: Approx. 135.1 kg Pro 7900: Approx. 100.9 kg (excluding the ink cartridges and paper)
Dimensions	Pro 9900: 1,864 (W) x 667 (D) x 1,218 (H) mm Pro 7900: 1,356 (W) x 667 (D) x 1,218 (H) mm

## 1.2.5 Reliability/Durability

### ☐ Main Body

Item		Specification	
		Epson Stylus Pro 9900 Epson Stylus Pro 9910	Epson Stylus Pro 7900 Epson Stylus Pro 7910
Operating life of the printer		Until any one of the following conditions is met. <ul style="list-style-type: none"> <li>• Approx. 20,000 pages (Super B0 size plain paper, Quality mode, 720x360 FOL Bi-D)</li> <li>• Carriage life: 5,000,000 paths</li> </ul>	Until any one of the following conditions is met. <ul style="list-style-type: none"> <li>• Approx. 20,000 pages (Super A1 size plain paper, Quality mode, 720x360 FOL Bi-D)</li> <li>• Carriage life: 2,900,000 paths</li> </ul>
Cutter life (reference)		44"-wide roll paper <ul style="list-style-type: none"> <li>• Standard paper: approx. 20,000 pages (sheets)</li> <li>• Hard cut paper: approx. 5,000 pages (sheets)</li> </ul>	24"-wide roll paper <ul style="list-style-type: none"> <li>• Standard paper: approx. 20,000 pages (sheets)</li> <li>• Hard cut paper: approx. 5,000 pages (sheets)</li> </ul>
Parts life	RTC backup battery*	5 years or longer	
	Pump Cap motor	Approx. 20,000 pages (reference value) (Super B0 size EPSON paper, Draft mode, 720x720, continuous printing)	
	CR motor, Drive pulley, Carriage unit, FFC*	Approx. 5,000,000 paths	
	Tube	12,600,000 paths	

Note \*: These values are provided only as a guide. Service call is not indicated for these parts.

### ☐ SpectroProofer

Item	Specified values
Mounter	Until any one of the following conditions is met. <ul style="list-style-type: none"> <li>• 5 years</li> <li>• 200,000 paths for color measurement</li> </ul>

## 1.3 Printing Specifications

### 1.3.1 Paper Feed Specifications

Item	Specification
Paper feed method	Friction feed
Return pitch	2.2049 $\mu$ m (1/11,520 inch)
Paper feeder	<input type="checkbox"/> Roll paper manual feed <input type="checkbox"/> Cut sheet manual feed
Feed speed	300 ms/ (1/6 inch)

### 1.3.2 Paper Specification

#### 1.3.2.1 Supported Paper

The following explains the supported paper sizes and thickness.



- Do not use wrinkled, scuffed, torn, or soiled paper.
- Load paper just before printing. Do not leave paper loaded on the printer when not printing. Store paper properly following the instruction that comes with the paper.
- When large quantities of paper need to be prepared in advance, make a test print using the paper before purchase.

#### ROLL PAPER

Item	Specification
Paper type	Plain paper, recycled paper, others
Roll paper size	2-inch core: Outer diameter 103 mm or less x 1 roll 3-inch core: Outer diameter 150 mm or less x 1 roll
Paper size W x L (within roll paper size)	Epson Stylus Pro 9900/9910: 2-inch core: 254 to 1118 mm x 45 m 3-inch core: 254 to 1118 mm x 202 m Epson Stylus Pro 7900/7910: 2-inch core: 254 to 610 mm x 45 m 3-inch core: 254 to 610 mm x 202 m

Item	Specification
Paper thickness	Plain paper, recycled paper: 0.08 to 0.11 mm (Weight: 64 to 90 g/m <sup>2</sup> ) Others: 0.08 to 0.50 mm
Available width for borderless printing	10 inches, 300 mm, 13 inches (Super A3), 16 inches, 17 inches, 515 mm (B2), 594 mm (A1), 24 inches (Super A1), 728 mm (B1), 36 inches (Super A0), 44 inches (Super B0)

#### CUT SHEET

Item	Specification
Paper type	Plain paper, recycled paper, others
Paper type	Epson Stylus Pro 9900/9910: Width: 210 to 1118 mm Length: 279.4 to 1580 mm (A4 to Super B0) Epson Stylus Pro 7900/7910: Width: 210 to 610 mm Length: 279.4 to 914 mm (A4 to Super A1)
Paper thickness	Plain paper, recycled paper: 0.08 to 0.11 mm (Weight: 64 to 90 g/m <sup>2</sup> ) Others: Length 279 to 728 mm: 0.08 to 1.50 mm Length over 728 to 2032 mm: 0.08 to 0.50 mm
Available width for borderless printing	10 inches, 300 mm, 13 inches (Super A3), 16 inches, 17 inches, 515 mm (B2), 594 mm (A1), 24 inches (Super A1), 728 mm (B1), 36 inches (Super A0), 44 inches (Super B0)

## 1.3.2.2 Designated Paper

## ROLL PAPER

Table 1-2. Designated Roll Paper List

Name	Size		Borderless Print <sup>*1</sup>	Thickness	Core Diameter	Spindle Tension	ICC Profile	Paper Type&Name indicated by Driver	Auto Cut <sup>*2</sup>	Black Ink
Premium Glossy Photo Paper (250)	406mm	16"	OK!	0.27mm	3"	Normal	• Photo Black: Pro9900_7900 PremiumGlossyPhotoPaper250.icc • Matte Black: ---	Photo Paper Premium Glossy Photo Paper (250)	OK	PK
	610mm	24"								
	914mm*3	36"*3								
	1118mm*3	44"*3								
Premium Semigloss Photo Paper (250)	406mm	16"	OK!	0.27mm	3"	Normal	• Photo Black: Pro9900_7900 PremiumSemiglossPhotoPaper250.icc • Matte Black: ---	Photo Paper Premium Semigloss Photo Paper (250)	OK	PK
	610mm	24"								
	914mm*3	36"*3								
	1118mm*3	44"*3								
Premium Luster Photo Paper (260)	254mm	10"	OK!	0.27mm	3"	Normal	• Photo Black: Pro9900_7900 PremiumLusterPhotoPaper260.icc • Matte Black: ---	Photo Paper Premium Luster Photo Paper (260)	OK	PK
	300mm	12"								
	406mm	16"								
	508mm	20"	NA							
	610mm	24"	OK!							
	914mm*3	36"*3								
	1118mm*3	44"*3								
Premium Semimatte Photo Paper (260)	406mm	16"	OK!	0.27mm	3"	Normal	• Photo Black: Pro9900_7900 PremiumSemimattePhotoPaper260.icc • Matte Black: ---	Photo Paper Premium Semimatte Photo Paper (260)	OK	PK
	610mm	24"								
	914mm*3	36"*3								
	1118mm*3	44"*3								
Photo Paper Gloss 250	432mm	17"	OK!	0.25mm	3"	Normal	• Photo Black: Pro9900_7900 PhotoPaperGloss250.icc • Matte Black: ---	Photo Paper Gloss 250	OK	PK
	610mm	24"								
	914mm*3	36"*3								
	1118mm*3	44"*3								
Premium Glossy Photo Paper (170)	420mm (A2)		NA	0.18mm	2"	Normal	• Photo Black: Pro9900_7900 PremiumGlossyPhotoPaper170.icc • Matte Black: ---	Photo Paper Premium Glossy Photo Paper (170)	OK	PK
	610mm	24"	OK!							
	914mm*3	36"*3								
	1118mm*3	44"*3								

&lt;Continued to the next page&gt;

Note \*1: OK!: Recommended for borderless printing

OK: Borderless printing is available

NA: Borderless printing is NOT available

Borderless printing on the borderless printing available paper (OK) may result in drop in print quality or fail to produce complete borderless (white margins may appear) due to expanding of the paper.

Borderless printing can be made on commercially available paper, however, note that the availability is restricted by the paper size.

\*2: OK: Auto cut is available

NA: Auto cut is NOT available

(manually cut the paper with a commercially available cutter)

\*3: Not supported for Epson Stylus Pro 7900/7910.

Table 1-2. Designated Roll Paper List

Name	Size		Borderless Print <sup>*1</sup>	Thickness	Core Diameter	Spindle Tension	ICC Profile	Paper Type&Name indicated by Driver	Auto Cut <sup>*2</sup>	Black Ink
Premium Semigloss Photo Paper (170)	420mm (A2)		NA	0.18mm	2"	Normal	• Photo Black: Pro9900_7900 PremiumSemiglossPhotoPaper170.icc • Matte Black: ---	Photo Paper Premium Semigloss Photo Paper (170)	OK	PK
	610mm	24"	OK!							
	914mm*3	36"*3								
	1118mm*3	44"*3								
Epson Proofing Paper White Semimatte	330mm	13"	OK	0.25mm	3"	Normal	• Photo Black:Pro9900_7900Epson ProofingPaperWhiteSemimatte.icc Matte Black: ---	Proofing Paper Epson Proofing Paper White Semimatte	OK	PK
	432mm	17"								
	610mm	24"								
	914mm*3	36"*3								
	1118mm*3	44"*3								
Epson Proofing Paper Publication	330mm	13"	OK	0.20mm	3"	Normal	• Photo Black: Pro9900_7900 EpsonProofingPaperPublication.icc Matte Black: ---	Proofing Paper Epson Proofing Paper Publication	OK	PK
	432mm	17"								
	610mm	24"								
	914mm*3	36"*3								
	1118mm*3	44"*3								
Epson Proofing Paper Commercial	330mm	13"	OK	0.20mm	3"	Normal	• Photo Black: Pro9900_7900 EpsonProofingPaperCommercial.icc Matte Black: ---	Proofing Paper Epson Proofing Paper Commercial	OK	PK
	432mm	17"								
	610mm	24"								
	914mm*3	36"*3								
	1118mm*3	44"*3								
Enhanced Synthetic Paper	610mm	24"	OK	0.12mm	2"	High	• Photo Black: --- • Matte Black: Pro9900_7900 EnhancedSyntheticPaper.icc	Others Enhanced Synthetic Paper	OK	MK
	1118mm*3	44"*3								
Enhanced Adhesive Synthetic Paper	610mm	24"	OK	0.17mm	2"	High	• Photo Black: --- • Matte Black: Pro9900_7900 EnhancedAdhesiveSyntheticPaper.icc	Others Enhanced Adhesive Synthetic Paper	OK	MK
	1118mm*3	44"*3								
Doubleweight Matte Paper	610mm	24"	OK!	0.21mm	2"	Normal	• Photo Black: --- • Matte Black: Pro9900_7900 DoubleweightMattePaper.icc	Matte Paper Doubleweight Matte Paper	OK	MK
	914mm*3	36"*3								
	1118mm*3	44"*3								

&lt;Continued to the next page&gt;

Note \*1: OK!: Recommended for borderless printing

OK: Borderless printing is available

NA: Borderless printing is NOT available

Borderless printing on the borderless printing available paper (OK) may result in drop in print quality or fail to produce complete borderless (white margins may appear) due to expanding of the paper.

Borderless printing can be made on commercially available paper, however, note that the availability is restricted by the paper size.

\*2: OK: Auto cut is available

NA: Auto cut is NOT available

(manually cut the paper with a commercially available cutter)

\*3: Not supported for Epson Stylus Pro 7900/7910.

Table 1-2. Designated Roll Paper List

Name	Size		Borderless Print <sup>*1</sup>	Thickness	Core Diameter	Spindle Tension	ICC Profile	Paper Type&Name indicated by Driver	Auto Cut <sup>*2</sup>	Black Ink
Enhanced Matte Paper	432mm	17"	OK	0.25mm	3"	Normal	<ul style="list-style-type: none"> <li>• Photo Black: Pro9900_7900 EnhancedMattePaper_PK.icc</li> <li>• Matte Black: Pro9900_7900 EnhancedMattePaper_MK.icc</li> </ul>	Matte Paper Enhanced Matte Paper	OK	PK/MK
	610mm	24"								
	914mm <sup>*3</sup>	36" <sup>*3</sup>								
	1118mm <sup>*3</sup>	44" <sup>*3</sup>								
Singleweight Matte Paper	432mm	17"	OK!	0.14mm	2"	Normal	<ul style="list-style-type: none"> <li>• Photo Black: ---</li> <li>• Matte Black: Pro9900_7900 SingleweightMatte Paper.icc</li> </ul>	Matte Paper Singleweight Matte Paper	OK	MK
	610mm	24"								
	914mm <sup>*3</sup>	36" <sup>*3</sup>								
	1118mm <sup>*3</sup>	44" <sup>*3</sup>								
Watercolor Paper - Radiant White	610mm	24"	OK	0.29mm	3"	High	<ul style="list-style-type: none"> <li>• Photo Black: Pro9900_7900 WatercolorPaper-RadiantWhite_PK.icc</li> <li>• Matte Black: Pro9900_7900 WatercolorPaper-RadiantWhite_MK.icc</li> </ul>	Fine Art Paper Watercolor Paper - Radiant White	OK	PK/MK
	914mm <sup>*3</sup>	36" <sup>*3</sup>								
	1118mm <sup>*3</sup>	44" <sup>*3</sup>								
UltraSmooth Fine Art Paper	432mm	17"	OK	0.32mm	3"	High	<ul style="list-style-type: none"> <li>• Photo Black: Pro9900_7900 UltraSmoothFineArtPaper_PK.icc</li> <li>• Matte Black: Pro9900_7900 UltraSmoothFineArtPaper_MK.icc</li> </ul>	Fine Art Paper UltraSmooth Fine Art Paper	OK	PK/MK
	610mm	24"								
	1118mm <sup>*3</sup>	44" <sup>*3</sup>								
Textured Fine Art Paper	432mm	17"	OK	0.37mm	3"	High	<ul style="list-style-type: none"> <li>• Photo Black: Pro9900_7900 TexturedFineArtPaper_PK.icc</li> <li>• Matte Black: Pro9900_7900 TexturedFineArtPaper_MK.icc</li> </ul>	Fine Art Paper Textured Fine Art Paper	OK	PK/MK
	610mm	24"								
	914mm <sup>*3</sup>	36" <sup>*3</sup>								
	1118mm <sup>*3</sup>	44" <sup>*3</sup>								
Canvas	610mm	24"	OK	0.46mm	2"	Normal	<ul style="list-style-type: none"> <li>• Photo Black: Pro9900_7900 Canvas_PK.icc</li> <li>• Matte Black: Pro9900_7900 Canvas_MK.icc</li> </ul>	Fine Art Paper Canvas	OK	PK/MK
	914mm <sup>*3</sup>	36" <sup>*3</sup>								
	1118mm <sup>*3</sup>	44" <sup>*3</sup>								

Note   <sup>\*1</sup>:   OK!: Recommended for borderless printing  
               OK: Borderless printing is available  
               NA: Borderless printing is NOT available  
               Borderless printing on the borderless printing available paper (OK) may result in drop in print quality or fail to produce complete borderless (white margins may appear) due to expanding of the paper.  
               Borderless printing can be made on commercially available paper, however, note that the availability is restricted by the paper size.

<sup>\*2</sup>:   OK: Auto cut is available  
               NA: Auto cut is NOT available  
                       (manually cut the paper with a commercially available cutter)  
<sup>\*3</sup>:   Not supported for Epson Stylus Pro 7900/7910.



## CUT SHEET

Table 1-3. Designated Cut Sheet List

Name	Size	Borderless Print <sup>*1</sup>	Thickness	ICC Profile	Paper Name indicated by Driver	Black Ink
Premium Glossy Photo Paper	Super A3/B	OK	0.27mm	<ul style="list-style-type: none"> <li>Photo Black: Pro9900_7900PremiumGlossyPhotoPaper.icc</li> <li>Matte Black: ---</li> </ul>	Photo Paper Premium Glossy Photo Paper	PK
	A2	NA				
Premium Semigloss Photo Paper	Super A3/B	OK	0.27mm	<ul style="list-style-type: none"> <li>Photo Black: Pro9900_7900PremiumSemiglossPhotoPaper.icc</li> <li>Matte Black: ---</li> </ul>	Photo Paper Premium Semigloss Photo Paper	PK
	A2	NA				
Premium Luster Photo Paper	Super A3/B	OK	0.27mm	<ul style="list-style-type: none"> <li>Photo Black: Pro9900_7900PremiumLusterPhotoPaper.icc</li> <li>Matte Black: ---</li> </ul>	Photo Paper Premium Luster Photo Paper	PK
	A2	NA				
Archival Matte Paper	Super A3/B	OK	0.26mm	<ul style="list-style-type: none"> <li>Photo Black: Pro9900_7900ArchivalMattePaper_PK.icc</li> <li>Matte Black: Pro9900_7900ArchivalMattePaper_MK.icc</li> </ul>	Matte Paper Archival Matte Paper Enhanced Matte Paper	PK/MK
Enhanced Matte Paper	A2	NA				
Singleweight Matte Paper	Super A3/B	OK	0.14mm	<ul style="list-style-type: none"> <li>Photo Black: ---</li> <li>Matte Black: Pro9900_7900SingleweightMattePaper.icc</li> </ul>	Matte Paper Singleweight Matte Paper	MK
	A2	NA				
Photo Quality Ink Jet Paper	Super A3	OK	0.12mm	<ul style="list-style-type: none"> <li>Photo Black: ---</li> <li>Matte Black: Pro9900_7900PhotoQualityInkJetPaper.icc</li> </ul>	Matte Paper Photo Quality Ink Jet Paper	MK
Epson Proofing Paper White Semimatte	Super A3/B	OK	0.25mm	<ul style="list-style-type: none"> <li>Photo Black: Pro9900_7900EpsonProofingPaperWhiteSemimatte.icc</li> <li>Matte Black: ---</li> </ul>	Proofing Paper Epson Proofing Paper White Semimatte	PK/MK

&lt;Continued to the next page&gt;

Note "※": OK!: Recommended for borderless printing

OK: Borderless printing is available

NA: Borderless printing is Not available

Borderless printing on the borderless printing available paper (OK) may result in drop in print quality or fail to produce complete borderless (white margins may appear) due to expanding of the paper. Borderless printing can be made on commercially available paper, however, note that the availability is restricted by the paper size.

Table 1-3. Designated Cut Sheet List

Name	Size	Borderless Print <sup>*1</sup>	Thickness	ICC Profile	Paper Name indicated by Driver	Black Ink
Watercolor Paper - Radiant White	Super A3/B	OK	0.29mm	<ul style="list-style-type: none"> <li>• Photo Black: Pro9900_7900WatercolorPaper-RadiantWhite_PK.icc</li> <li>• Matte Black: Pro9900_7900WatercolorPaper-RadiantWhite_MK.icc</li> </ul>	Fine Art Paper Watercolor Paper - Radiant White	PK/MK
UltraSmooth Fine Art Paper	Super A3	OK	0.46mm	<ul style="list-style-type: none"> <li>• Photo Black: Pro9900_7900UltraSmoothFineArtPaper_PK.icc</li> <li>• Matte Black: Pro9900_7900UltraSmoothFineArtPaper_MK.icc</li> </ul>	Fine Art Paper UltraSmooth Fine Art Paper	PK/MK
	A2	NA				
Velvet Fine Art Paper	Super A3/B	OK	0.48mm	<ul style="list-style-type: none"> <li>• Photo Black: Pro9900_7900VelvetFineArtPaper_PK.icc</li> <li>• Matte Black: Pro9900_7900VelvetFineArtPaper_MK.icc</li> </ul>	Fine Art Paper Velvet Fine Art Paper	PK/MK
	A2	NA				
Textured Fine Art Paper	24" x 30"	OK	0.67mm	<ul style="list-style-type: none"> <li>• Photo Black: Pro9900_7900TexturedFineArtPaper_PK.icc</li> <li>• Matte Black: Pro9900_7900TexturedFineArtPaper_MK.icc</li> </ul>	Fine Art Paper Textured Fine Art Paper	PK/MK
	36" x 44"					
Enhanced Matte Poster Board	24" x 30"	OK	1.3mm	<ul style="list-style-type: none"> <li>• Photo Black: Pro9900_7900EnhancedMattePosterBoard_PK.icc</li> <li>• Matte Black: Pro9900_7900EnhancedMattePosterBoard_MK.icc</li> </ul>	Others Enhanced Matte Poster Board	PK/MK
	30" x 40"					

Note "※": OK!: Recommended for borderless printing

OK: Borderless printing is available

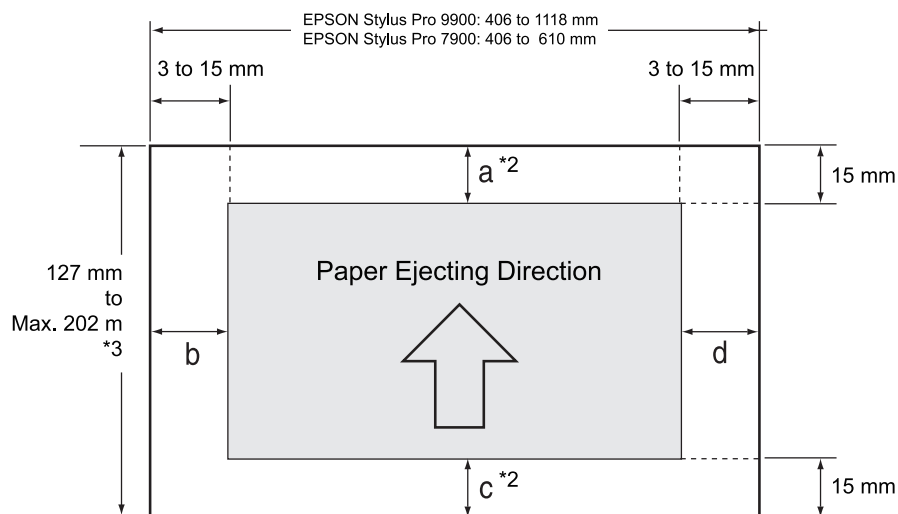
NA: Borderless printing is Not available

Borderless printing on the borderless printing available paper (OK) may result in drop in print quality or fail to produce complete borderless (white margins may appear) due to expanding of the paper. Borderless printing can be made on commercially available paper, however, note that the availability is restricted by the paper size.

### 1.3.3 Printable Area

#### ROLL PAPER

Margins for roll paper depends on the ROLL PAPER MARGIN settings in the PRINTER SETUP menu.



ROLL PAPER MARGIN settings	Explanation
Default	a = c = 15 mm *1
	b = d = 3 mm
TOP/BOTTOM 15mm	a = c = 15 mm
	b = d = 3 mm
TOP 35/BOTTOM 15MM	a = 35 mm
	c = 15 mm
	b = d = 3 mm
3mm	a, b, c, d = 3 mm
	a, b, c, d = 15 mm

Note \*\*1\*: When the Default is selected, "a" becomes 20mm and "c" becomes 15mm for the following paper types; Premium Glossy Photo Paper(250), Premium Semigloss Photo Paper(250), and Premium Luster Photo Paper(260).

\*\*2\*: When the "Roll Paper (Banner)" is selected for the "Source" in the "Paper Settings" of the printer driver, the top and bottom margins become 0 mm.

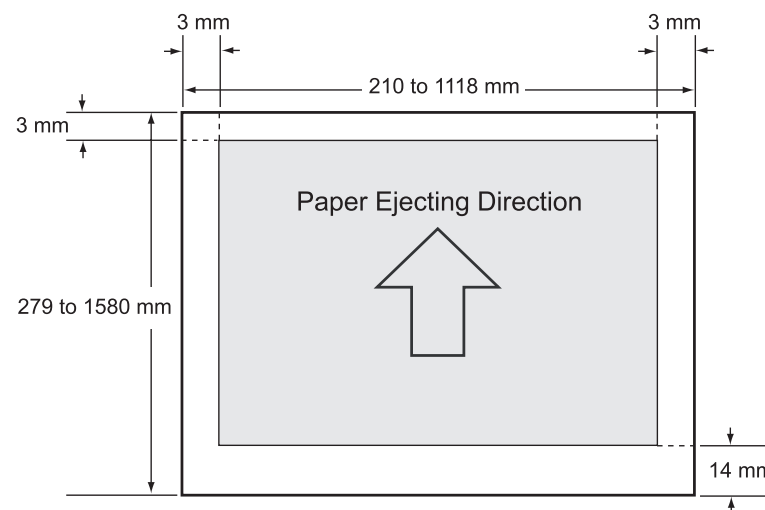
\*\*3\*: The maximum paper length settable with the printer driver is as follows.

Windows: 15,000 mm (590.6 inch)

Mac OS X: 15,240 mm (600 inch)

When paper length longer than the above is required, select the "Roll Paper (Banner)". The printer driver allows the setting if the application used for the data supports the length.

#### CUT SHEET



## 1.3.4 Borderless Printing Specification

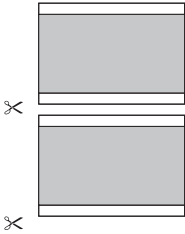
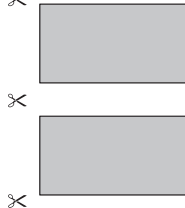
### AVAILABLE PAPER TYPE

For the paper types and sizes that support the borderless printing, see “1.3.2.2 Designated Paper” on page 15.

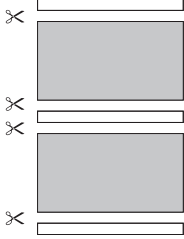
### BORDERLESS PRINTING MODE

The following types of borderless printing are available with the printer driver.

**Table 1-4. Borderless Printing Mode**

Driver Setting	Printer Operation	Remarks
Normal Cut*2	Prints an image bleeding it off the left and right edges of paper. The top and bottom margins are determined by ROLL PAPER MARGIN setting. 	Default
Single Cut*1*2*3	Prints an image bleeding it off the all edges of paper. The cutting methods is as follows. <input type="checkbox"/> The minimum width required for cutting is applied as the top margin of the first page, then the top margin is cut off during printing.  <input type="checkbox"/> No margin is provided between pages, and the cutting is made on the border between the pages. <input type="checkbox"/> When the job is finished, the bottom side of the last page is cut off without margin.	<ul style="list-style-type: none"> <li>• Printing is interrupted for cutting off the top margin of the first page. This may cause color inconsistencies depending on the print data.</li> <li>• The cut line between pages may be slightly off the border.</li> </ul>

**Table 1-4. Borderless Printing Mode**

Driver Setting	Printer Operation	Remarks
Double Cut*1*2*3	Prints an image bleeding it off the all edges of paper. The cutting methods is as follows. <input type="checkbox"/> The auto refresh margin is applied as the top margin of the first page, then the top margin is cut off during printing.  <input type="checkbox"/> The bottom side of each page is cut off without margin. <input type="checkbox"/> The minimum width required for cutting is applied as margins between pages.	<ul style="list-style-type: none"> <li>• Printing is interrupted for cutting off the top margin of the first page. This may cause color inconsistencies depending on the print data.</li> <li>• The top and bottom sides of each page are cut off at the position slightly inward the image edges so that no white margin appears on the edges of the cut pages. This causes the vertical length of the cut page about 2mm shorter than the specified length.</li> </ul>

Note "1": The cut pages vertical length becomes about 2mm shorter than the specified size.

"2": Color inconsistencies or ink smudges due to the interruption of printing for cutting off top margins are likely to occur on the following papers.

- Doubleweight Matte Paper
- Singleweight Matte Paper
- Enhanced Matte Paper
- Textured Fine Art Paper
- UltraSmooth Fine Art Paper

## 1.3.5 Cutting of Roll Paper

The printer offers two ways of cutting for roll paper.

Cut Method	Description
Auto cut	The printer automatically cuts paper with the built-in cutter.
Manual cut	The user can manually move the built-in cutter to cut paper, or use a commercially available cutter. Select this setting when using the Auto Take-up Reel Unit.



**Some types of roll paper cannot be cut with the built-in cutter. In such cases, cut it manually with a commercially available cutter or the like.**



**It may takes time for the cutting operation.**

### SETTING BEFORE PRINTING

The cut method setting can be made by the control panel or the printer driver.

- ☐ When setting with the control panel (for printing a status sheet or etc.)

Press ◀ button to select the cut method.

Icon	Description
	Roll Auto Cut On
	Roll Auto Cut Off

- ☐ When setting from a computer

Select “Auto Cut” in the “Paper Setting” window of the printer driver.

### HOW TO CUT

- ☐ Auto cut

The printer automatically cuts paper with the built-in cutter each time a page is printed.

- ☐ Manual cut

Follow the procedure below to cut paper at the desired position.

- After a page is printed, press the ▼ button to advance the paper to the cut position.
- Press the button. Select [Cut] from the selection screen on the display, and press [OK] button. The built-in cutter moves and cuts the paper.



**When the paper type is the one that the built-in cutter does not support, pressing the ▼ button advances the paper to the position for manual cutting using a commercially available cutter. Cut the paper manually with your cutter or a similar tool along the lower frame of the front cover.**



**When cutting the paper manually, make sure to confirm the Spectroproofer backing is not installed.**

## 1.4 Dimensions and Main Components

This section provides the printer dimensions and shows the main components.

### 1.4.1 Dimensions and Weight

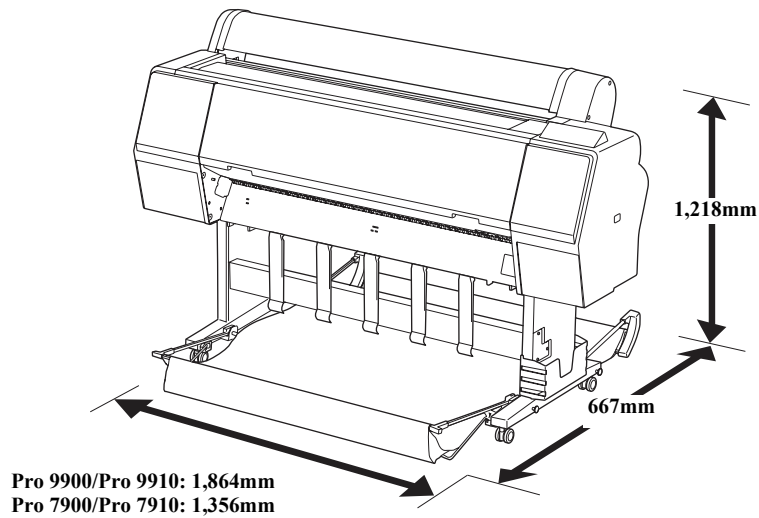


Figure 1-3. Printer Dimensions (standard)

Model	External Dimensions (mm)			Weight*
	Width	Depth	Height	
Pro 9900/Pro 9910	1,864mm	667mm	1,218mm	Approx. 120kg
Pro 7900/Pro 7910	1,356mm	667mm	1,218mm	Approx. 90kg

Note \*: Excluding the ink cartridges and paper

### 1.4.2 Part Names

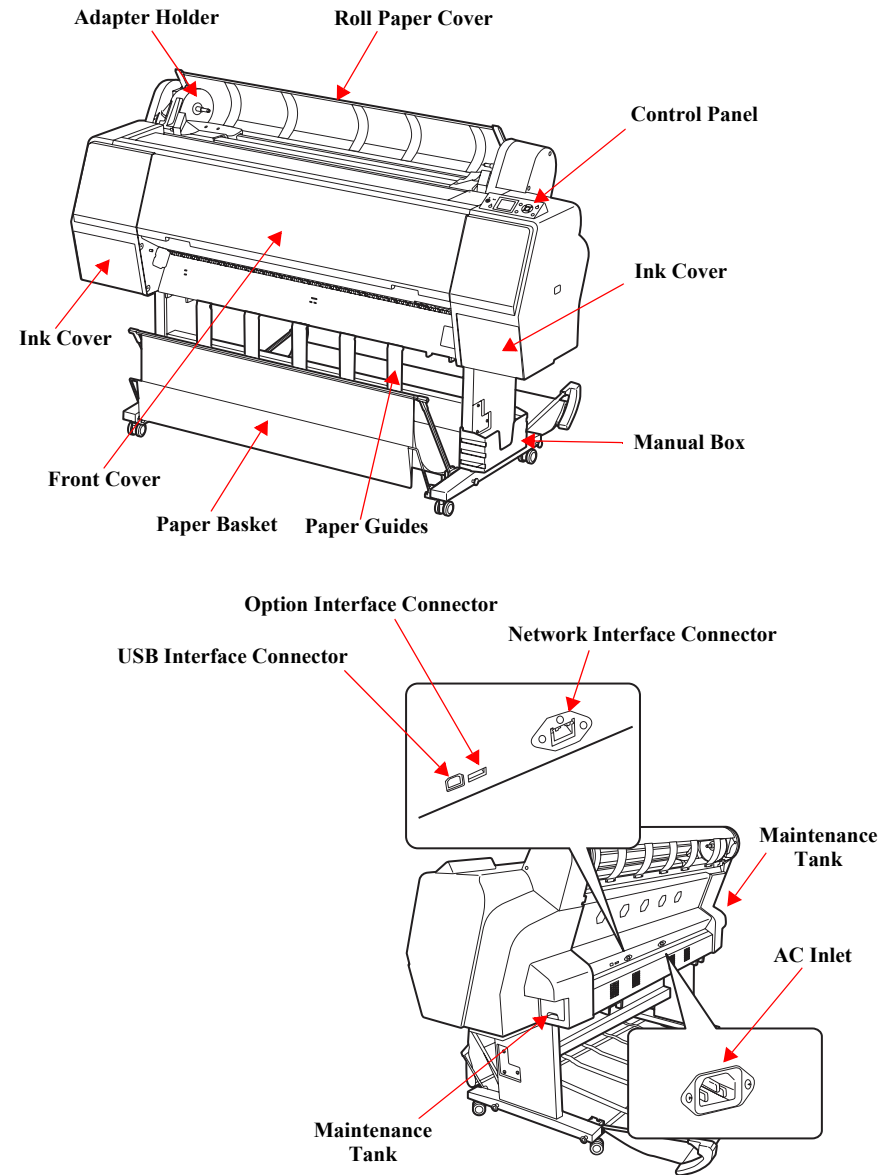


Figure 1-4. Part Names (Main Body)

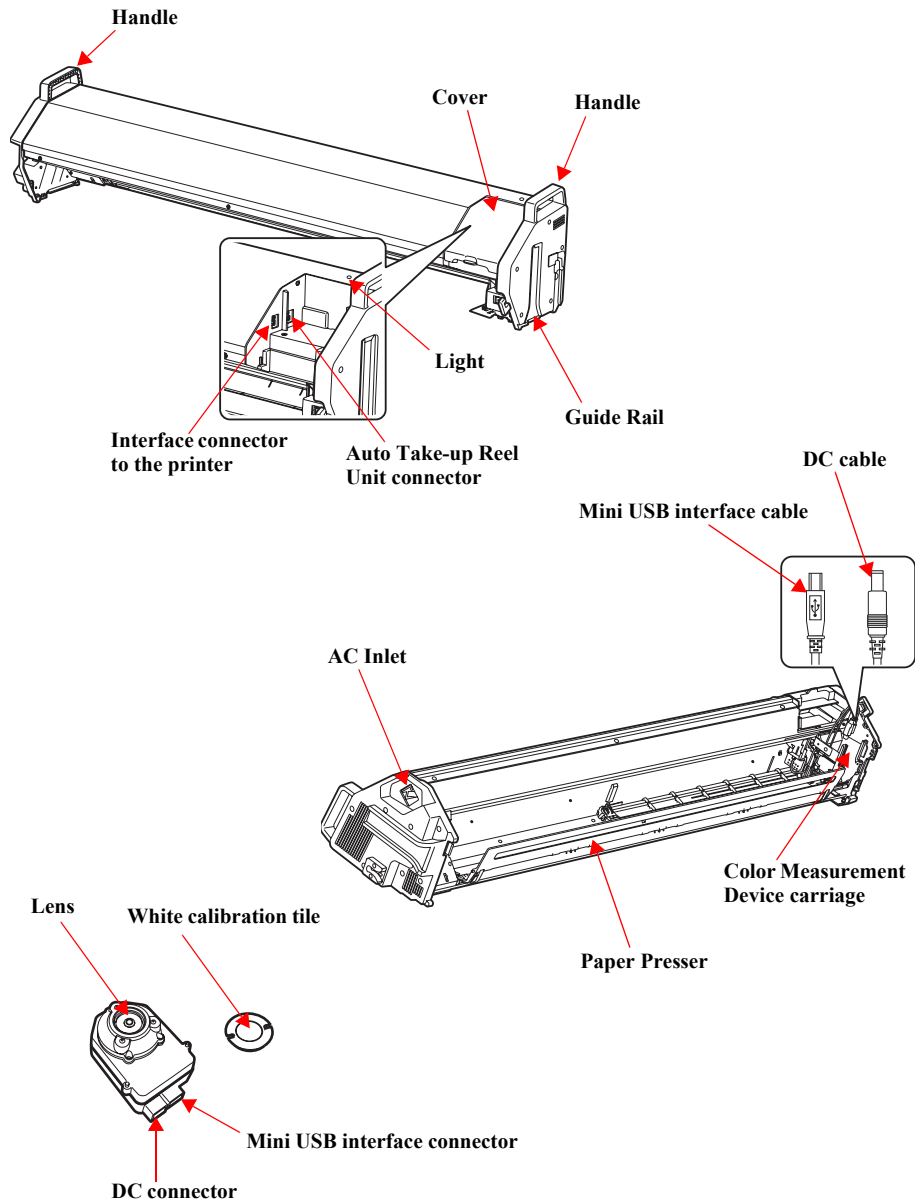
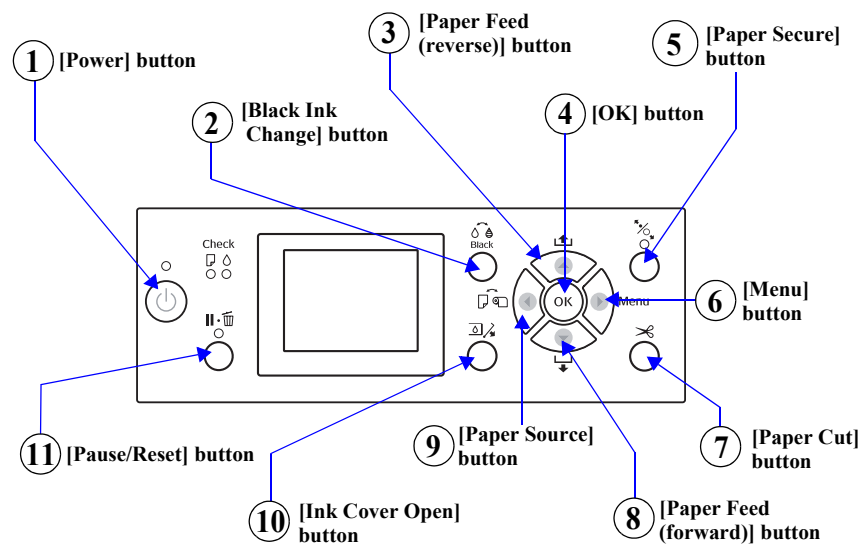


Figure 1-5. Part Names (SpectroProofer)

## 1.5 Control Panel

### BUTTONS



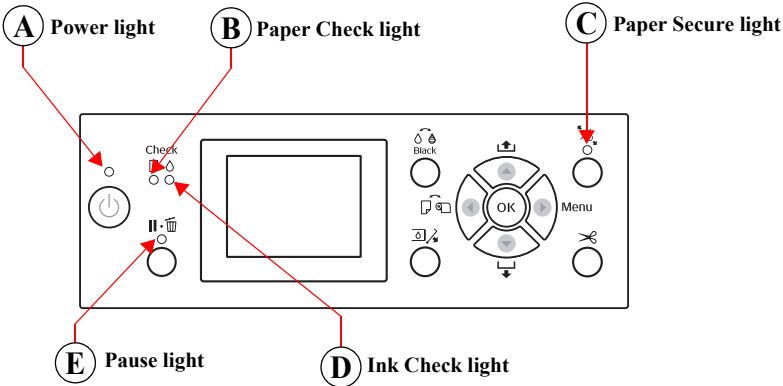


## BUTTONS

Button Name		Function		
		When pressed normally	When pressed down for 3 sec.	For panel setting
1	[Power]	Turns the printer On or Off.	---	Power-off
2	[Black Ink Change]	<ul style="list-style-type: none"> <li>Displays the black ink change screen when BK ink error occurs or during idling.</li> <li>Other than above: Does not function.</li> </ul>	---	---
3	[Paper Feed (reverse)]	<ul style="list-style-type: none"> <li>When roll paper is loaded: Feeds the paper backward.</li> <li>When roll paper is not loaded: Does not function.</li> <li>While the Paper Presser is released: Increases the power of the suction fan.</li> <li>Other than above: Does not function.</li> </ul>	When roll paper is not loaded: Does not function.	Increases the set value.
4	[OK]	<ul style="list-style-type: none"> <li>After printing: Ejects the cut sheet.</li> <li>Sets the selected parameter in the selected item in the Menu mode. Executes the item if the selected item is for execution only.</li> <li>During ink drying or color chart drying: Stops the operation.</li> <li>While there is no paper in the printer: Displays the paper feeding procedures on the LCD panel.</li> <li>Other than above: Does not function.</li> </ul>	---	Accepts the change, Executes the operation, Stores the settings
5	[Paper Secure]	<ul style="list-style-type: none"> <li>Locks/unlocks the paper presser when idling, waiting for the feeding trigger or such errors occurred as: paper released error, front cover open error, paper cut error, paper skew error, paper error (not detected), take-up error (sensor error), borderless error, paper out error (roll paper), paper eject error, paper size error, paper setting error.</li> <li>Other than above: Does not function.</li> </ul>	---	---
6	[Menu]	<ul style="list-style-type: none"> <li>During printing: Goes to the PRINTER STATUS menu.</li> <li>Goes to the panel setting mode when ink drying, color chart drying, measuring colors or when paper out error (roll paper) occurred.</li> </ul>	---	Goes to the next item.
7	[Paper Cut]	<ul style="list-style-type: none"> <li>When waiting for the feeding trigger or idling: Cuts the roll paper.</li> <li>Other than above: Does not function.</li> </ul>	---	---
8	[Paper Feed (forward)]	<ul style="list-style-type: none"> <li>When roll paper is loaded: Feeds the paper forward.</li> <li>When roll paper is not loaded: Does not function.</li> <li>While the Paper Presser is released: Decreases the power of the suction fan.</li> <li>When cut sheet is selected and a cut sheet is loaded on the printer: Feeds the cut sheet to the print start position.</li> <li>When a cut sheet has been fed: Ejects the cut sheet.</li> </ul>	<ul style="list-style-type: none"> <li>When roll paper is loaded: Feeds the roll paper forward at high speed.</li> <li>When roll paper is not loaded: Does not function.</li> </ul>	Decreases the set value.
9	[Paper Source]	<ul style="list-style-type: none"> <li>Changes the paper type when idling, waiting for the feeding trigger or when such errors occurred as: paper released error, front cover open error, paper cut error, paper skew error, paper error (not detected), take-up error (sensor error), borderless error, paper out error (roll paper), paper eject error, paper size error, paper setting error.</li> <li>Other than above: Does not function.</li> </ul>	---	Goes back to the previous item.

Button Name		Function		
		When pressed normally	When pressed down for 3 sec.	For panel setting
10	[Ink Cover Open]	<ul style="list-style-type: none"> <li>During printing/cleaning/charging initially/changing ink: Does not function.</li> <li>Other than above: Opens the ink cover.</li> </ul>	---	---
11	[Pause/Reset]	<ul style="list-style-type: none"> <li>When printing, idling, in the error status: Pauses the operation</li> <li>When displaying the menu screen: return to the previous screen from the menu</li> <li>When displaying such screens as pausing, selection for opening IC Cover, changing black ink, or cutting paper: return to the previous screen from the sub menu</li> <li>When displaying the roll paper setting screen: return to the previous screen from the roll paper setting screen</li> <li>Makes the printer recover from such errors as paper sensor error (barcode detection failed), paper sensor error (wrong platen gap), cleaning error (not enough ink), clogged nozzle error (not enough ink), cleaning error (auto head cleaning failed).</li> </ul>	---	Stops the panel settings.

LIGHTS (LED)



Name		Color	Status	Description
Ⓐ	Power	Green	ON	The printer power is on.
			Flashing*1	The printer is receiving a data or performing the power-off sequence.
			OFF	The printer power is off.
Ⓑ	Paper Check	Orange	ON	<ul style="list-style-type: none"> <li>No paper is loaded in the paper source.</li> <li>The paper setting is not correct.</li> </ul>
			Flashing*1	<ul style="list-style-type: none"> <li>Paper is jammed.</li> <li>Paper is not loaded straight.</li> </ul>
			OFF	The printer is ready to print data.
Ⓒ	Paper Secure	Orange	ON	The paper presser is released.
			OFF	The printer is ready to print data.
Ⓓ	Ink Check	Orange	ON	<ul style="list-style-type: none"> <li>The installed ink cartridge is expended.</li> <li>The ink cartridge is not installed.</li> <li>The wrong ink cartridge is installed.</li> </ul>
			Flashing*1	The installed ink cartridge is nearly expended.
			OFF	The printer is ready to print data.
Ⓔ	Pause	Green	ON	<ul style="list-style-type: none"> <li>The printer is in the Menu mode or pause mode.</li> <li>The printer has an error.</li> </ul>
			OFF	The printer is ready to print data.

Note "1": Repeats turning On and Off every 500 ms. When a maintenance error is occurring, the LED repeats ON for 100 ms and OFF for 5 seconds.

"2": The all LEDs flash when a service call error is occurring.

LCD

□ Normal indication

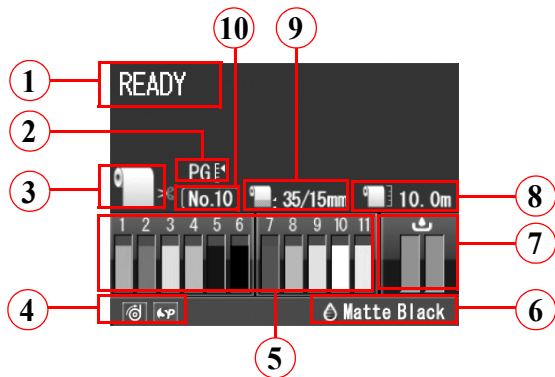







Figure 1-6. LCD (Normal indication)

No.	Item	Description
1	Message	Printer status, operating status, or an error message is displayed.
2	Platen Gap	The Platen Gap setting is displayed as shown below. While the registered number of the “CUSTOM PAPER” is displayed, this setting is not displayed.  “NARROW” is selected.  “WIDE” is selected.  “WIDER” is selected.  “WIDEST” is selected.
3	Paper Source	Selected paper type and roll paper cut settings is displayed.
4	Option Usage	The options available to use are displayed as icons.
5	Ink cartridge status	The current ink level in each of the nine cartridges is indicated.
6	Black Ink level	The selected black ink level is indicated.
7	Waste ink level in the maintenance tanks	The free space of the maintenance tanks is indicated.
8	Roll Paper Counter	The remaining amount of the roll paper is displayed.
9	Roll Paper Margin	The setting made by the ROLL PAPER MARGIN menu is indicated beside the  . • 15mm: “TOP/BOTTOM 15 mm” is selected. • 35/15mm: “TOP 35/BOTTOM 15 mm” is selected. • 3mm: “3mm” is selected. • 15mm: “15mm” is selected. • Auto: “DEFAULT” is selected
10	Paper Number	When you select paper number (1 to 10) for CUSTOM PAPER, the number you selected appears.

Error indication

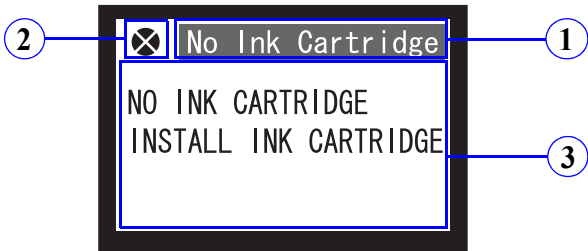


Figure 1-7. LCD (Error indication)

No.	Item	Description
1	Error name	An error name is displayed inverted.
2	Error icon	An error icon is displayed.
3	Remedy	An explanation about the error or an instruction to recover from the error is displayed.

Note : When multiple errors are occurring simultaneously, the errors are indicated in the order of preset priority. After recovering one of the error, the next error is displayed.

LCD (Error indication with an image)

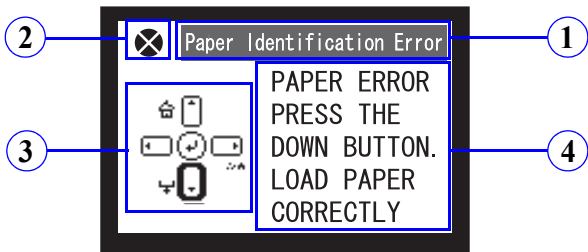


Figure 1-8. LCD (Error indication with an image)

No.	Item	Description
1	Error name	An error name is displayed inverted.
2	Error icon	An error icon is displayed.
3	Image	An illustration that demonstrates the explanation or instruction for the error is displayed.
4	Remedy	An explanation about the error or an instruction to recover from the error is displayed.

Note : When multiple errors are occurring simultaneously, the errors are indicated in the order of preset priority. After recovering one of the error, the next error is displayed.







ICONS ON THE LCD

Remaining ink level of each color







Ink cartridge

No.	Ink Color
1	Cyan (C)
2	Orange (O)
3	Yellow (Y)
4	Light Cyan (LC)
5	Matte Black (MK)
6	Photo Black (PK)
7	Vivid Magenta (VM)
8	Light Black (LK)
9	Green (G)
10	Light Light Black (LLK)
11	Vivid Light Magenta (VLM)

Ink remaining

Icon			Ink Cartridge
			There is enough ink remaining.
			Prepare a new ink cartridge. (flashing)
			The ink is expended so you cannot print. Replace the ink cartridge with a new one. (flashing)
			Cartridge error or no cartridge has occurred. (flashing)

□ Free space of the maintenance tank

Icon			Free space of maintenance tank
			There is enough free space in the maintenance tank.
			Prepare a new maintenance tank. (flashing)
			The maintenance tank becomes full. Replace the tank with a new one. (flashing)

## 1.5.1 Menu Mode Settings

Table 1-5. Menu Mode Settings List

Top Menu	Menu Item	Settings (shaded one is the default)	Explanation
PRINTER SETUP	PLATEN GAP	NARROW	Sets the platen gap (gap between the printhead and the platen). When the “Others” is selected in the PAPER TYPE of the CUSTOM PAPER menu, the platen gap designated at the CUSTOM PAPER menu has a priority over the setting made here. Refer to <a href="#">"PG Settings List" on page 37</a> .
		<b>STANDARD</b>	
		WIDE	
		WIDER	
		WIDEST	
	PAGE LINE	<b>ON</b>	Sets whether to print a page line (line for manual cutting) on roll paper or not. The page line is printed when ON is selected. The vertical line may be printed when the roll paper width that is set in the printer driver is smaller than the width of the roll paper that is loaded in the printer. This setting is available for roll paper only.
		OFF	
	ROLL PAPER MARGIN	<b>DEFAULT</b>	Sets the margins for roll paper. When the Default is selected, the top margin becomes 20mm and the bottom margin becomes 15mm for the following paper types; Premium Glossy Photo Paper(250), Premium Semigloss Photo Paper(250), and Premium Luster Photo Paper(260).
		TOP/BOTTOM 15mm	
		TOP 35/BOTTOM 15mm	
		15 mm	
		3 mm	
	PAPER SIZE CHECK	<b>ON</b>	Sets whether to detect the paper width or not. Setting to OFF deactivates the sensor that detects the paper width when paper is loaded on the printer. This allows the user to use paper whose width is out of the sensor's detectable range. It means that the user can print an image larger than the paper size. The user should know that doing so soils the platen and may cause a print quality or any other trouble.
		OFF	
	PAPER SKEW CHECK	<b>ON</b>	Sets whether to detect the paper skew or not. Setting to OFF does not carry out the detection and printing is continued even if the paper is skewed. When this setting is set to OFF, the user should have known the risk. This setting is not available for cut sheet because the skew detection function after printing is not provided for cut sheet.
		OFF	
	REFRESH MARGIN	<b>ON</b>	When this is set to ON, the top edge area of paper soiled by the previous borderless printing is automatically cut off.
		OFF	
	AUTO NOZZLE CHECK	<b>ON: PERIODICALLY</b>	The printer runs a nozzle check automatically at the specified timing.
		ON: EVERY JOB	
		OFF	
	PRINT NOZZLE PATTERN	<b>OFF</b>	The printer prints a nozzle check pattern automatically at the specified timing. This setting is available only when roll paper is used. When the set number of pages is reached, the nozzle check pattern is printed on the top of the page. The counter for counting the pages is not reset even by power-off. When this setting is changed, the counter is cleared. Printing patterns preset in the printer is not counted except the network status sheet.
		ON: EVERY PAGE	
		ON: EVERY 10 PAGES	
	INITIALIZE SETTING	EXECUTE	All the settings made using the control panel are returned to their default.

Table 1-5. Menu Mode Settings List

Top Menu	Menu Item	Settings (shaded one is the default)	Explanation
TEST PRINT	NOZZLE CHECK	PRINT	Prints a nozzle check pattern, the firmware version, paper/ink consumption, and waste ink level in the maintenance tanks. Visually check the printout patterns for any missing lines or segments. If missing lines or segments are observed, run a manual cleaning as necessary.
	STATUS SHEET	PRINT	Prints information on the printer status.
	NETWORK STATUS SHEET	PRINT	Prints information on the network status.
	JOB INFORMATION	PRINT	Prints a print job history report (up to 10 jobs) that is stored in the printer.
	CUSTOM PAPER	PRINT	Prints the settings made in the CUSTOM PAPER menu.
MAINTENANCE	CUTTER ADJUSTMENT	EXECUTE	Adjusts the built-in cutter position. A cutter position adjustment pattern is printed. Examine the printout patterns and select the number for the best pattern.
	CUTTER REPLACEMENT	EXECUTE	Runs a cutter replacement sequence.
	POWER CLEANING	EXECUTE	Runs a power cleaning that is stronger than the normal cleaning.
	CLEAN EACH COLOR	C/VM	Runs a cleaning for the specified nozzle columns.
		PK(MK)/LK	
		O/G	
		LLK/Y	
		VLM/LC	
	CLOCK SETTING	MM/DD/YY HH:MM	Sets the date and time for the internal clock.
PRINTER STATUS	VERSION	HW0xxxx-xx.xx.IBCC or HN0xxxx-xx.xx.IBCC	Displays the firmware version. Refer to <a href="#">"Firmware version information" on page 38.</a>
	PRINTABLE PAGES	(ink color) nnnnnnnn PAGES	Displays the number of pages printable with the installed ink cartridges.
	INK LEVEL	(ink color) nn%	Displays the ink level in the installed ink cartridges.
	MAINTENANCE TANK	LEFT nn%	Displays the waste ink level in the installed maintenance tanks.
		RIGHT nn%	
	JOB HISTORY	No.0 to No.9	<input type="checkbox"/> Job No. Displays the job number that is stored in the printer. The latest job number is 0 (zero).
		Ink xxxxx.xml	<input type="checkbox"/> The amount of ink consumed Displays the amount of ink consumed for each job.
		Paper xxx.x cm2	<input type="checkbox"/> The amount of paper consumed Displays the total area of paper used for each job.
	TOTAL PRINTS	nnnnnn PAGES	Displays the total printed pages using 6-digit decimal number.



Table 1-5. Menu Mode Settings List

Top Menu	Menu Item	Settings (shaded one is the default)	Explanation
PRINTER STATUS	EDM STATUS	NOT STARTED, ENABLED, DISABLED	Displays the EDM status.
		LAST UPLOADED MM/DD/YY HH:MM GMT (NOT UPLOADED)	
PAPER SETUP	ROLL PAPER REMAINING	REMAINING PPR SETUP	Make settings for the remaining roll paper. OFF: Disables the roll paper remaining amount count function. ON: Displays the roll paper remaining amount on the LCD. Each time a print job is finished, a barcode that includes information on PAPER TYPE, PAPER LENGTH, and ROLL_LENGTH_ALERT settings is printed. When roll paper is replaced with a new one, the printer reads the barcode and automatically applies the read settings for the new roll paper.
		ROLL PAPER LENGTH	You can make these settings only when REMAINING PPR SETUP above is set to ON. The printer sets roll paper length, and the remaining length of roll paper to be alerted when the set amount is reached. The printer displays the roll paper remaining amount and the alert for shortage of the remaining on the LCD.
		ROLL LENGTH ALERT	
	PAPER TYPE	Photo Paper	Sets the paper type loaded on the printer.
		Proofing Paper	
		Fine Art Paper	
		Matte Paper	
		<b>Plain paper</b>	
		Others	
		CUSTOM PAPER	
		NO PAPER SELECTED	
	CUSTOM PAPER	PAPER NO.1 - 10	You can select a number (between 1 to 10) to register the settings (such as Paper Type, Platen Gap, Thickness Pattern, Paper Feed Adjust, Drying Time, Paper Suction) or to recall these settings you have made. The number you select here is displayed on the LCD panel.

Table 1-5. Menu Mode Settings List

Top Menu	Menu Item	Settings (shaded one is the default)	Explanation
PAPER SETUP	PLATEN GAP	NARROW	Adjusts the platen gap (gap between the printhead and paper surface) according to the paper thickness. STANDARD: use this setting under normal conditions NARROW: select this when using thin paper. WIDE, WIDER: select this when smudges or blurring appear due to an excess pressure on the paper. WIDEST: select this when using heavy paper.
		<b>STANDARD</b>	
		WIDE	
		WIDER	
		WIDEST	
	THICKNESS PATTERN	PRINT	Prints a pattern for checking the thickness of the loaded paper.
	PAPER FEED ADJUST	<b>0.00%</b>	Adjusts the paper feed line pitch. The larger the value is, the more the possibility to cause white bands on printout image. The smaller the value is, the more the possibility to cause black bands on printout image.
		-0.70% to +0.70%	
	DRYING TIME	<b>0.0 SEC</b>	Sets a time period to pause the carriage movement for drying the printed surface. Depending on paper type and density, drying ink may take longer. Check the result and set longer time period in such case.
		0.0 SEC to 10.0 SEC	
	PAPER SUCTION	<b>STANDARD</b>	Sets the power level of the suction fan.
		-1 to -4	
	SET ROLL PAPER TENSION	STANDARD	Sets a time period to pause the carriage movement for drying the printed surface. Depending on paper type and density, drying ink may take longer. Check the result and set longer time period in such case.
		HIGH	
		HIGHER	
	REMOVE SKEW	ON	Sets whether to perform this operation to reduce the paper skew or not.
		OFF	
HEAD ALIGNMENT	PAPER THICKNESS	SELECT PAPER TYPE	Sets thickness of paper to be used. • When Epson paper is used, select the paper type. • When not Epson paper is selected, enter the thickness of the selected paper.
		SELECT THICKNESS	
	ALIGNMENT	AUTO	Sets whether to carry out the head alignment adjustment automatically or manually. AUTO: The adjustment is carried out automatically after the adjustment pattern is printed. MANUAL: Select this to carry out the adjustment manually (visually check the patterns and enter selected values) after printing the adjustment pattern.
		MANUAL	

Table 1-5. Menu Mode Settings List

Top Menu	Menu Item	Settings (shaded one is the default)		Explanation
NETWORK SETUP	NETWORK SETUP	DISABLE		Enables or disables the network settings.
		ENABLE		The NETWORK SETUP menu items appear on the LCD only when this is set to ENABLE.
	IP ADDRESS SETTING	AUTO		Sets whether to set the IP address automatically or manually.
		PANEL		When the PANEL is selected, the IP, SM, DG SETTING menu is enabled to enter the address manually.
	IP, SM, DG SETTING	IP ADDRESS	000.000.000.000 -	Sets the IP address, subnet mask, and default gateway manually.
			172.024.011.031	
			- 255.255.255.255	
		SUBNET MASK	000.000.000.000 -	
			255.255.192.168	
			- 255.255.255.255	
		DEFAULT GATEWAY	000.000.000.000 -	
			255.024.011.001	
			- 255.255.255.255	
	BONJOUR	ON		Enables or disables the BONJOUR.
OFF				
INIT NETWORK SETTING	EXECUTE		Returns the network settings to their default.	
OPTIONS SETUP	SpectroProofer	STATUS INFORMATION		Displays the status of each item of SpectroProofer, such as the version of SpectroProofer, the product numbers of the white calibration tiles, the temperature of Color Measurement Device (ILS20EP), ambient air temperature, and the color of the backing.
		DEVICE ALIGNMENT		Performs the setup for SpectroProofer installed.
	TAKE UP REEL	TAKE UP REEL VERSION		Displays the version of Auto Take-up Reel Unit.

□ PG Settings List

The table below shows the actual platen gap amount specified by the printer driver or the control panel.

**Table 1-6. PG Settings List**

Paper Thickness Sensor	Paper Thickness Setting by Driver	Menu Setting	Media Table or Printer Driver PG Setting	PG Values (mm)
0.4 mm or lower	No setting 0.0 to 0.8mm	NARROW	Narrow	0.8
			Standard	0.8
			Wide	1.2
			Wider	1.6
		STANDARD	Narrow	0.8
			Standard	1.2
			Wide	1.6
			Wider	2.1
		WIDE	Narrow	1.2
			Standard	1.6
			Wide	2.1
			Wider	2.6
		WIDER	Narrow	1.6
			Standard	2.1
			Wide	2.6
			Wider	2.6
		WIDEST	Narrow	2.1
			Standard	2.6
			Wide	2.6
			Wider	2.6
	0.9mm to 1.5mm	--	--	2.6

**Table 1-6. PG Settings List**

Paper Thickness Sensor	Paper Thickness Setting by Driver	Menu Setting	Media Table or Printer Driver PG Setting	PG Values (mm)
0.5mm to 0.8mm	No setting 0.0 to 0.8mm	NARROW	Narrow	0.8
			Standard	0.8
			Wide	1.2
			Wider	1.6
		STANDARD	Narrow	0.8
			Standard	1.2
			Wide	1.6
			Wider	2.1
		WIDE	Narrow	1.2
			Standard	1.6
			Wide	2.1
			Wider	2.6
		WIDER	Narrow	1.6
			Standard	2.1
			Wide	2.6
			Wider	2.6
		WIDEST	Narrow	2.1
			Standard	2.6
			Wide	2.6
			Wider	2.6
	0.9mm to 1.5mm	--	--	2.6
0.9mm to 2.1mm	--	--	--	2.6

❑ Firmware version information

The table below explains the firmware version information (Epson Stylus Pro 9900/9910: HW0xxxx-xx.xx.IBCC, Epson Stylus Pro 7900/7910: HN0xxxx-xx.xx.IBCC) printed by selecting the VERSION in the PRINTER STATUS menu.

**Table 1-7. Firmware Version Information**

Item	Explanation
<b>H*0</b>	The code assigned to this printer. "0" (zero) is assigned to a special version of printer.
<b>XXXX</b>	Indicates the firmware version installed on the printer.
<b>xx.xx</b>	Indicates the network firmware version.
<b>I</b>	"A" is indicated for this product.
<b>B</b>	"0" is indicated for this product.
<b>C</b>	A hexadecimal number (00H-FFH) appears to indicate the specified custom number that registers special operation setting. When no custom operation is specified, "00" appears.

## 1.5.2 Maintenance Mode

The maintenance mode allows you to change the environmental settings such as language and unit settings to be displayed, or to return the all settings to their default. The user can also access this mode.

### HOW TO START & QUIT

1. While holding down the [Pause/Reset] button, turn the printer on.
2. Turn the printer off to quit the maintenance mode.

### MAINTENANCE MODE MENU LIST

Menu Item	Settings (shaded one is the default)	Explanation
LANGUAGE	JAPANESE	Selects the language used for the control panel display.
	ENGLISH	
	FRENCH	
	GERMAN	
	ITALIAN	
	PORTUGUE	
	SPANISH	
	DUTCH	
	KOREAN	
	CHINESE	
LENGTH UNIT	<b>METRIC</b>	Selects the unit of length to be used for various length information.
	FEET/INCH	
TEMPERATURE UNIT	<b>°C</b>	Selects the unit of temperature displayed on the LCD panel.
	F	
ROLL PAPER TENSION	1 - 5	Specifies the maximum value of Roll Paper Tension. 1: Low tension 5: High tension
SS CLEANING	EXECUTE	Runs a supersonic head cleaning.
DEFAULT PANEL	EXECUTE	Returns the all settings made by the control panel to their default.
CUSTOM	0 - 255	Stores custom settings.

### **1.5.3 Serviceman Mode**

The Serviceman Mode is intended to be used by a service personnel for servicing the printer.

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#### **SERVICEMAN MODE MENU LIST**

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