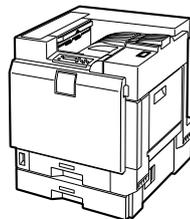


Aficio™ CL7300/CL7200

Maintenance Guide



-
- 1** Paper and Other Media
 - 2** Replacing Consumables and Maintenance Kit
 - 3** Cleaning
 - 4** Adjusting the Printer
 - 5** Troubleshooting
 - 6** Removing Misfed Paper
 - 7** Appendix

Introduction

This manual contains detailed instructions and notes on the operation and use of this machine. For your safety and benefit, read this manual carefully before using the machine. Keep this manual in a handy place for quick reference.

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The proper names of the Windows operating systems are as follows:

- Microsoft® Windows® 95 operating system
- Microsoft® Windows® 98 operating system
- Microsoft® Windows® Millennium Edition (Windows Me)
- The product names of Windows® 2000 are as follows:
 - Microsoft® Windows® 2000 Advanced Server
 - Microsoft® Windows® 2000 Server
 - Microsoft® Windows® 2000 Professional
- The product names of Windows® XP are as follows:
 - Microsoft® Windows® XP Professional
 - Microsoft® Windows® XP Home Edition
- The product names of Windows Server™ 2003 are as follows:
 - Microsoft® Windows Server™ 2003 Standard Edition
 - Microsoft® Windows Server™ 2003 Enterprise Edition
 - Microsoft® Windows Server™ 2003 Web Edition
- The product names of Windows NT® 4.0 are as follows:
 - Microsoft® Windows NT® Server 4.0
 - Microsoft® Windows NT® Workstation 4.0

How to Read This Manual

The following set of symbols is used in this manual.

 **WARNING:**

This symbol indicates a potentially hazardous situation that might result in death or serious injury when you misuse the machine without following the instructions under this symbol. Be sure to read the instructions, all of which are described in the Safety Information section.

 **CAUTION:**

This symbol indicates a potentially hazardous situation that might result in minor or moderate injury or property damage that does not involve personal injury when you misuse the machine without following the instructions under this symbol. Be sure to read the instructions, all of which are described in the Safety Information section.

* The statements above are notes for your safety.

 **Important**

If this instruction is not followed, paper might be misfed, originals might be damaged, or data might be lost. Be sure to read this.

 **Preparation**

This symbol indicates information or preparations required prior to operating.

 **Note**

This symbol indicates precautions for operation, or actions to take after abnormal operation.

 **Limitation**

This symbol indicates numerical limits, functions that cannot be used together, or conditions in which a particular function cannot be used.

 **Reference**

This symbol indicates a reference.

[]

Keys that appear on the machine's display.

Keys and buttons that appear on the computer's display.

[]

Keys built into the machine's control panel.

Keys on the computer's keyboard.

1. Paper and Other Media

Paper and Other Media Supported by This Printer

This section describes the type, size, feed direction, and maximum amount of paper that can be loaded into each tray.

Note

- The following symbols and terminology are used to represent the feed direction.

| In this manual | On the display | Paper feed direction |
|--|------------------------------|---------------------------|
|  ← (Feed direction) | A4 (210 × 297) 8 1/2 × 11 | Short-edge feed direction |
|  ← (Feed direction) | A4 (297 × 210) 11 × 8 1/2 | Long-edge feed direction |

- Be careful of the paper feed direction. The direction is determined based on paper size.

❖ Input Paper Sizes (Metric version)

| | Feed direction | Size (mm) | Bypass tray | Paper tray (Tray 1) | Paper tray (Tray 2) Paper feed unit (Tray 3/4) | 2000-sheet Large Capacity Tray |
|--|----------------|-----------|-------------|---------------------|---|-----------------------------------|
| A3 | | 297 × 420 | ☆ | × | ⊙ | × |
| B4 | | 257 × 364 | ☆ | × | ⊙ | × |
| A4 | | 210 × 297 | ☆ | × | ⊙ | × |
| | | 297 × 210 | ☆ | ● | ⊙ | ● |
| B5 | | 182 × 257 | ☆ | × | ☆ | × |
| | | 257 × 182 | ☆ | × | ⊙ | × |
| A5 | | 148 × 210 | ☆ | × | × | × |
| | | 210 × 148 | ☆ | × | ⊙ | × |
| B6 | | 128 × 182 | ★ | × | × | × |
| A6 | | 105 × 148 | ☆ | × | × | × |
| 12" × 18" | | 305 × 457 | ☆ | × | × | × |
| DLT (11" × 17") | | 279 × 432 | ☆ | × | ⊙ | × |
| Legal (LG, 8 ¹ / ₂ " × 14") | | 216 × 356 | ☆ | × | ☆ | × |
| Letter (LT, 8 ¹ / ₂ " × 11") | | 216 × 279 | ☆ | × | ☆ | × |
| | | 279 × 216 | ☆ | × | ⊙ | × |
| 5 ¹ / ₂ " × 8 ¹ / ₂ " | | 140 × 216 | ☆ | × | × | × |
| Executive (Exec., 7 ¹ / ₄ " × 10 ¹ / ₂ " | | 184 × 276 | ☆ | × | ☆ | × |
| | | 276 × 184 | ☆ | × | × | × |
| Folio (8 ¹ / ₄ " × 13") | | 210 × 330 | ☆ | × | ☆ | × |

| | Feed direction | Size (mm) | Bypass tray | Paper tray (Tray 1) | Paper tray (Tray 2) Paper feed unit (Tray 3/4) | 2000-sheet Large Capacity Tray |
|---|----------------|---------------|-------------|---------------------|---|-----------------------------------|
| Foolscap (F4, 8 ¹ / ₂ " × 13") | ☞ | 216 × 330 | ★ | × | ★ | × |
| F/GL (8" × 13") | ☞ | 203 × 330 | ★ | × | ★ | × |
| Com10 Env (9 ¹ / ₂ " × 4 ¹ / ₈ ") | ☞ | 241.3 × 104.8 | ★ | × | × | × |
| C5 (9.02" × 6.38") | ☞ | 229 × 162 | ★ | × | × | × |
| C6 (6.38" × 4.49") | ☞ | 162 × 114 | ★ | × | × | × |
| DL Env (8.66" × 4.33") | ☞ | 220 × 110 | ★ | × | × | × |
| Monarch (7 ¹ / ₂ " × 3 ⁷ / ₈ ") | ☞ | 190.5 × 98.4 | ★ | × | × | × |
| Custom Size | - | - | ★* | × | × | × |
| 8K (10 ¹ / ₂ " × 15.35") | ☞ | 267 × 390 | ★ | × | ★ | × |
| 16K (7.68" × 10 ¹ / ₂ ") | ☞ | 195 × 267 | ★ | × | ★ | × |
| | ☞ | 267 × 195 | ★ | × | ★ | × |

- The size is exclusive.
- ◎ The size is supported and the printer selects it automatically.
- ★ The size is supported, but it should be selected using the control panel.
- ★ The size is supported, but it should be set as a custom size using the control panel.
- ★* The supported size is approximately 90 - 305 mm in width, and 148 - 457 mm in length. The supported size may differ depending on the printer language you use. Set as a custom size setting using the control panel.
When using the RPCS™ printer driver, sheets of up to 1260 mm(600 × 600 dpi, 1200 × 600 dpi) in length can be set.
- ×

❖ Input Paper Sizes (Inch version)

| | Feed direction | Size (inch) | Bypass tray | Paper tray (Tray 1) | Paper tray (Tray 2) Paper feed unit (Tray 3/4) | 2000-sheet Large Capacity Tray |
|---|---|--|-------------|---------------------|---|-----------------------------------|
| 12" × 18" |  | 12" × 18" | ☆ | × | × | × |
| DLT (11" × 17") |  | 11" × 17" | ☆ | × | ⊙ | × |
| Legal (LG) |  | 8 ¹ / ₂ " × 14" | ☆ | × | ⊙ | × |
| Letter (LT) |  | 8 ¹ / ₂ " × 11" | ☆ | × | ⊙ | × |
| |  | 11" × 8 ¹ / ₂ " | ☆ | ● | ⊙ | ● |
| 5 ¹ / ₂ " × 8 ¹ / ₂ " |  | 5 ¹ / ₂ " × 8 ¹ / ₂ " | ☆ | × | × | × |
| Executive (Exec.) |  | 7 ¹ / ₄ " × 10 ¹ / ₂ " | ☆ | × | ☆ | × |
| |  | 10 ¹ / ₂ " × 7 ¹ / ₄ " | ☆ | × | × | × |
| A3 |  | 11.26" × 16.54" | ☆ | × | ⊙ | × |
| B4 |  | 10.12" × 14.33" | ☆ | × | ☆ | × |
| A4 |  | 8.26" × 5.83" | ☆ | × | ☆ | × |
| |  | 5.83" × 8.26" | ☆ | × | ⊙ | × |
| B5 |  | 7.17" × 10.12" | ☆ | × | ☆ | × |
| |  | 10.12" × 7.17" | ☆ | × | ⊙ | × |
| A5 |  | 5.83" × 8.26" | ☆ | × | × | × |
| |  | 8.26" × 5.83" | ☆ | × | ⊙ | × |
| B6 |  | 5.04" × 7.17" | ★ | × | × | × |
| A6 |  | 4.13" × 5.63" | ☆ | × | × | × |
| Folio |  | 13" × 8 ¹ / ₄ " | ☆ | × | ☆ | × |

| | Feed direction | Size (inch) | Bypass tray | Paper tray (Tray 1) | Paper tray (Tray 2) Paper feed unit (Tray 3/4) | 2000-sheet Large Capacity Tray |
|-------------|----------------|---|-------------|---------------------|---|-----------------------------------|
| Foolscap F4 | ☞ | 13" × 8 ¹ / ₂ " | ☆ | × | ☆ | × |
| F/GL | ☞ | 13" × 8" | ☆ | × | ☆ | × |
| Com10 Env | ☞ | 9 ¹ / ₂ " × 4 ¹ / ₈ " | ☆ | × | × | × |
| C5 | ☞ | 9.02" × 6.38" | ☆ | × | × | × |
| C6 | ☞ | 6.38" × 4.49" | ☆ | × | × | × |
| DL Env | ☞ | 8.66" × 4.33" | ☆ | × | × | × |
| Monarch | ☞ | 7 ¹ / ₂ " × 3 ⁷ / ₈ " | ☆ | × | × | × |
| Custom Size | - | - | ★* | × | × | × |
| 8K | ☞ | 10 ¹ / ₂ " × 15.35" | ☆ | × | ☆ | × |
| 16K | ☞ | 7.68" × 10 ¹ / ₂ " | ☆ | × | ☆ | × |
| | ☞ | 10 ¹ / ₂ " × 7.68" | ☆ | × | ☆ | × |

- The size is exclusive.
- ◎ The size is supported, and the printer selects it automatically.
- ☆ The size is supported, but it should be selected using the control panel.
- ★ The size is supported, but it should be set as a custom size using the control panel.
- ★* The supported size is approximately 3.5 - 12.01 inch in width, and 5.8 - 18 inch in length. The supported size may differ depending on the printer language you use. Set as a custom size setting using the control panel.
When using the RPCS™ printer driver, sheets of up to 49.61 inch(600 × 600 dpi, 1200 × 600 dpi) in length can be set.
- ×

❖ Paper weight and number of sheets to be set

| | Supported paper weight | Maximum number of sheets (plain paper) ^{*1} |
|--|---|--|
| Tray 1 | 60 - 105 g/m ² (16 - 28 lb.) | 500 (80 g/m ² , 20 lb.) |
| Tray 2 | 60 - 105 g/m ² (16 - 28 lb.) | 500 (80 g/m ² , 20 lb.) |
| Bypass tray | 60 - 163 g/m ² (14 - 42 lb.) | 100 (80 g/m ² , 20 lb.) |
| Paper Feed Unit Type 7300 (500 × 1) | 60 - 105 g/m ² (16 - 28 lb.) | 500 (80 g/m ² , 20 lb.) |
| Paper Feed Unit Type 7300 (500 × 2) | 60 - 105 g/m ² (16 - 28 lb.) | 1000 (80 g/m ² , 20 lb.) |
| Paper Bank Type 7300 (2000-sheet large capacity tray) | 60 - 105 g/m ² (16 - 28 lb.) | 2000 (80 g/m ² , 20 lb.) |
| SR960 (2 tray finisher) | 60 - 105 g/m ² (16 - 28 lb.) | 2000 (80 g/m ² , 20 lb.) |

^{*1} Check that the top of the stack is not higher than the limit mark inside the tray.

❖ Output Paper Sizes (Metric version)

| | Feed direction | Size (mm) | Standard tray | External tray ^{*1} | 2 tray finisher | Booklet finisher |
|--|---|---------------|---------------|-----------------------------|-----------------|------------------|
| A3 |  | 297 × 420 | ○ | ○ | ○ | ○ |
| B4 |  | 257 × 364 | ○ | ○ | ○ | ○ |
| A4 |  | 210 × 297 | ○ | ○ | ○ | ○ |
| |  | 297 × 210 | ○ | ○ | ○ | × |
| B5 |  | 182 × 257 | ○ | ○ | ○ | × |
| |  | 257 × 182 | ○ | ○ | ○ | × |
| A5 |  | 148 × 210 | ○ | ○ | × | × |
| |  | 210 × 148 | ○ | ○ | ○ | × |
| B6 |  | 128 × 182 | ○ | ○ | × | × |
| A6 |  | 105 × 148 | ○ | ○ | × | × |
| 12" × 18" |  | 305 × 457 | × | ○ | × | × |
| DLT (11" × 17") |  | 279 × 432 | ○ | ○ | ○ | ○ |
| Legal (LG, 8 ¹ / ₂ " × 14") |  | 216 × 356 | ○ | ○ | ○ | ○ |
| Letter (LT, 8 ¹ / ₂ " × 11") |  | 216 × 279 | ○ | ○ | ○ | ○ |
| |  | 279 × 216 | ○ | ○ | ○ | × |
| 5 ¹ / ₂ " × 8 ¹ / ₂ " |  | 140 × 216 | ○ | ○ | × | × |
| Executive (Exec., 7 ¹ / ₄ " × 10 ¹ / ₂ " |  | 184 × 276 | ○ | ○ | ○ | × |
| |  | 276 × 184 | ○ | ○ | × | × |
| Folio (8 ¹ / ₄ " × 13") |  | 210 × 330 | ○ | ○ | ○ | × |
| Foolscap (F4, 8 ¹ / ₂ " × 13") |  | 216 × 330 | ○ | ○ | ○ | × |
| F/GL (8" × 13") |  | 203 × 330 | ○ | ○ | ○ | × |
| Com10 Env (9 ¹ / ₂ " × 4 ¹ / ₈ " |  | 241.3 × 104.8 | × | ○ | × | × |
| C5 (9.02" × 6.38") |  | 229 × 162 | × | ○ | × | × |
| C6 (6.38" × 4.49") |  | 162 × 114 | × | ○ | × | × |

1

| | Feed direction | Size (mm) | Standard tray | External tray ^{*1} | 2 tray finisher | Booklet finisher |
|---|---|--------------|---------------|-----------------------------|-----------------|------------------|
| DL Env (8.66" × 4.33") |  | 220 × 110 | × | ○ | × | × |
| Monarch (7 ¹ / ₂ " × 3 ⁷ / ₈ ") |  | 190.5 × 98.4 | × | ○ | × | × |
| Custom Size | - | - | ○ | ○ | × | × |
| 8K (10 ¹ / ₂ " × 15.35") |  | 267 × 390 | ○ | ○ | ○ | × |
| 16K (7.68" × 10 ¹ / ₂ ") |  | 195 × 267 | ○ | ○ | ○ | × |
| |  | 267 × 195 | ○ | ○ | ○ | × |

- The size is supported.
- × The size is not supported.

^{*1} The external tray does not support duplex printing.

❖ Output Paper Sizes (Inch version)

| | Feed direction | Size (inch) | Standard tray | External tray ^{*1} | 2 tray finisher | Booklet finisher |
|---|---|--|---------------|-----------------------------|-----------------|------------------|
| 12" × 18" |  | 12" × 18" | × | ○ | × | × |
| DLT (11" × 17") |  | 11" × 17" | ○ | ○ | ○ | ○ |
| Legal (LG) |  | 8 ¹ / ₂ " × 14" | ○ | ○ | ○ | ○ |
| Letter (LT) |  | 8 ¹ / ₂ " × 11" | ○ | ○ | ○ | ○ |
| |  | 11" × 8 ¹ / ₂ " | ○ | ○ | ○ | × |
| 5 ¹ / ₂ " × 8 ¹ / ₂ " |  | 5 ¹ / ₂ " × 8 ¹ / ₂ " | ○ | ○ | × | × |
| Executive (Exec.) |  | 7 ¹ / ₄ " × 10 ¹ / ₂ " | ○ | ○ | ○ | × |
| |  | 10 ¹ / ₂ " × 7 ¹ / ₄ " | ○ | ○ | × | × |
| A3 |  | 11.26" × 16.54" | ○ | ○ | ○ | ○ |
| B4 |  | 10.12" × 14.33" | ○ | ○ | ○ | ○ |
| A4 |  | 8.26" × 5.83" | ○ | ○ | ○ | ○ |
| |  | 5.83" × 8.26" | ○ | ○ | ○ | × |
| B5 |  | 7.17" × 10.12" | ○ | ○ | ○ | × |
| |  | 10.12" × 7.17" | ○ | ○ | ○ | × |
| A5 |  | 5.83" × 8.26" | ○ | ○ | × | × |
| |  | 8.26" × 5.83" | ○ | ○ | ○ | × |
| B6 |  | 5.04" × 7.17" | ○ | ○ | × | × |
| A6 |  | 4.13" × 5.63" | ○ | ○ | × | × |
| Folio |  | 8 ¹ / ₄ " × 13" | ○ | ○ | ○ | × |
| Foolscap F4 |  | 8 ¹ / ₂ " × 13" | ○ | ○ | ○ | × |
| F/GL |  | 8" × 13" | ○ | ○ | ○ | × |
| Com10 Env |  | 9 ¹ / ₂ " × 4 ¹ / ₈ " | × | ○ | × | × |
| C6 |  | 6.38" × 4.49" | × | ○ | × | × |
| C5 |  | 9.02" × 6.38" | × | ○ | × | × |

1

| | Feed direction | Size (inch) | Standard tray | External tray ^{*1} | 2 tray finisher | Booklet finisher |
|-------------|---|---|---------------|-----------------------------|-----------------|------------------|
| DL Env |  | 8.66" × 4.33" | × | ○ | × | × |
| Monarch |  | 7 ¹ / ₂ " × 3 ⁷ / ₈ " | × | ○ | × | × |
| Custom Size | - | - | ○ | ○ | × | × |
| 8K |  | 10 ¹ / ₂ " × 15.35" | ○ | ○ | ○ | × |
| 16K |  | 7.68" × 10 ¹ / ₂ " | ○ | ○ | ○ | × |
| |  | 10 ¹ / ₂ " × 7.68" | ○ | ○ | ○ | × |

- The size is supported and it should be set using the control panel. There is no dial in the tray.
- ×

^{*1} The external tray does not support duplex printing.

Paper Recommendations

Loading Paper

1

Important

- Do not use ink-jet printer paper because it may stick to the fusing unit and cause a paper misfeed.
 - When printing on OHP transparencies that have a print side, load them with the print side over on the bypass tray. Not taking this precaution may cause them to stick to the fusing unit and cause misfeeds.
 - Set the paper as described below
 - Tray 1, Tray 2: Print side facing up
 - Bypass Tray: Print side facing down
 - Paper Feed Unit (Option): Print side facing down
 - Print quality cannot be guaranteed if paper other than the ones recommended is used. For more information about recommended paper, contact your sales or service representative.
 - Do not use paper that has already been printed onto by other printers.
-

Storing Paper

- Paper should always be stored properly. Improperly stored paper might result in poor print quality, paper misfeeds, or printer damage. Recommendations are as follows:
 - Avoid storing paper in humid areas.
 - Avoid exposing paper to direct sunlight.
 - Store on a flat surface.
- Keep paper in the package in which the paper came.

Types of Paper and Other Media

Plain Paper

| | |
|----------------------------------|--|
| Paper thickness | <p>60 - 105 g/m² (16 - 28 lb.)</p> <ul style="list-style-type: none"> • [Normal]: 60 - 90 g/m² (16 - 24 lb.) • [Middle Thick]: 91 - 105 g/m² (24.2 - 28 lb.) |
| Printer setup | <p>Make the following two settings using the control panel:</p> <ul style="list-style-type: none"> • Press [Paper Input] menu, [Paper Type], and then [Plain Paper]. • Press [Maintenance] menu, [Plain Paper] and then [Normal] or [Middle Thick]. |
| Printer driver setup | Click [Plain] or [Plain & Recycled] in the [Type:] list. |
| Enabled paper feeding tray | Any input tray can be used. |
| Number of sheets that can be set | <ul style="list-style-type: none"> • Tray 1/2: 500 × 2 • Paper Feed Unit Type 7300 (500×1): 500 • Paper Feed Unit Type 7300 (500×2): 1000 • Paper Bank Type 7300: 2000 • Bypass Tray: 100 <p> Note</p> <p><input type="checkbox"/> Make sure paper is not stacked higher than the upper limit mark (▼) inside the tray. Make sure paper is not stacked higher than the paper guides inside the bypass tray.</p> |
| Both-sided printing | Possible |
| Additional cautions | When printing on the reverse side of plain paper that is already printed on, select [Plain:Dup.Back] from [Paper Type] using the control panel or printer driver. |

Thick Paper

| | |
|----------------------------|--|
| Paper thickness | 106 - 163 g/m ² (28.2 - 42 lb.) |
| Printer setup | <p>Make the following two settings using the control panel:</p> <ul style="list-style-type: none"> • Press [Paper Input] menu, [Paper Type], and then [Thick Paper]. • Press [Maintenance] menu, [Thick Paper], and then [Thick Paper 1] - [Thick Paper 4]. <p> Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> From [Thick Paper 1] to [Thick Paper 4] in the menu, select the paper thickness according to the paper you are loading. |
| Printer driver setup | Click [Thick] in the [Type:] list. |
| Enabled paper feeding tray | <p>Bypass tray</p> <p> Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> Make sure paper is not stacked higher than the paper guides inside the bypass tray. |
| Both-sided printing | Not possible |
| Additional cautions | <ul style="list-style-type: none"> • Print speed is slightly slower than when using plain paper. • When printing on the reverse side of thick paper that is already printed on, select [Thick:Dup.Back] from [Paper Type] using the control panel or printer driver. |

OHP transparencies

| | |
|----------------------------------|--|
| Printer setup | Press [Paper Input] menu, [Paper Type] , and then [Transparency] on the control panel. |
| Printer driver setup | Click [Transparency] in the [Type:] list. |
| Enabled paper feeding tray | Bypass tray |
| Number of sheets that can be set | <p>100</p> <p> Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> Make sure paper is not stacked higher than the paper guides inside the bypass tray. |
| Both-sided printing | Not possible |
| Additional cautions | <ul style="list-style-type: none"> • Print speed for OHP transparencies is slower than for plain paper. • Paper settings can be set using the printer driver. Setting the paper sizes using the display panel is not necessary when it is set by the printer driver. • Paper size settings set using the printer driver have priority over those set using the machine's display panel. • When the printer driver is not used, make settings using the display panel. • Select the [Maintenance] menu. Press [4C.Graphic Mode], [Text Priority], and then print. |

Special Paper

| | |
|-----------------------------------|---|
| <p>Printer setup</p> | <p>Make the following two settings using the control panel:</p> <ul style="list-style-type: none"> • Press [Paper Input] menu, [Paper Type], and then [Special Paper] on the control panel. • Press [Maintenance] menu, [Special Paper], and then [Special Paper 1] - [Special Paper 4]. <p>Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> From [Special Paper 1] to [Special Paper 4] in the menu, select the paper type according to the paper you are loading. |
| <p>Printer driver setup</p> | <p>Click [Special] in the [Type:] list.</p> |
| <p>Enabled paper feeding tray</p> | <p>Any input tray can be used.</p> <p>Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> Make sure paper is not stacked higher than the upper limit mark (▼) inside the tray. Make sure paper is not stacked higher than the paper guides inside the bypass tray. |
| <p>Both-sided printing</p> | <p>Possible</p> |
| <p>Additional cautions</p> | <p>Print speed for special paper is slower than for plain paper.</p> |

Envelopes

Important

Only envelopes ① and ② as shown below are supported.

| | |
|--|----------------------|
| <p>①</p>  | <p>Supported *1</p> |
| <p>②</p>  | <p>Supported *1</p> |
| <p>③</p>  | <p>Not supported</p> |

*1 Misfeeds might also occur when using envelopes ① and ② depending on the length and shape of the flaps.

| | |
|-----------------------------|---|
| Paper thickness | 72 - 90 g/m ² (19 - 24 lb.) |
| Recommended weight and size | <ul style="list-style-type: none"> • Metric version 72 g/m², 114 × 162 mm (C6 Env) • Inch version 24 lb, 3⁷/₈" × 7¹/₂" (Monarch) |
| Printer setup | Press [Paper Input] menu, [Paper Type] , and then [Thick Paper] . |
| Printer driver setup | Click [Thick] in the [Type:] list. |
| Enabled paper feeding tray | Bypass tray |
| Enabled paper feeding tray | <p>10</p> <p> Note</p> <p><input type="checkbox"/> Make sure paper is not stacked higher than the paper guides inside the bypass tray.</p> |
| Both-sided printing | Not possible |
| Additional cautions | <ul style="list-style-type: none"> • Check the print side is facing up. • Check there is no air in the envelopes before loading. • For better print quality, we recommend the right, left, top, and bottom print margins to be at least 15 mm (0.6") each. • Load only one size and type of envelope at a time. <div data-bbox="415 749 792 1025" data-label="Image"> <p style="text-align: right; font-size: small;">ZGBH020N</p> </div> <ul style="list-style-type: none"> • When loading envelopes, be sure to unfold the flaps and position them opposite to the paper feed direction. • Before loading envelopes, flatten their leading edges (the edge going into the printer) by running a pencil or ruler across them. • Some kinds of envelope might cause misfeeds, wrinkles or print poorly. • Print quality on envelopes may be uneven if parts of an envelope have differing thicknesses. Print one or two envelopes to check print quality. |

Paper not supported by this printer

1

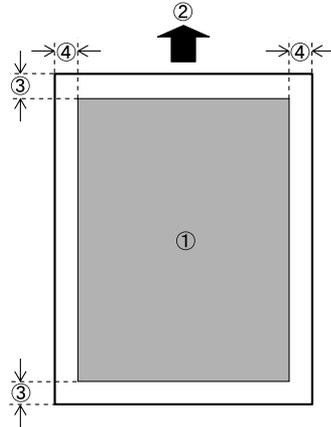
Avoid using the following paper as they are not supported by this printer.

- Paper meant for an ink-jet printer
- Bent, folded, or creased paper
- Curled or twisted paper
- Torn paper
- Wrinkled paper
- Damp paper
- Paper that is dry enough to emit static electricity
- Paper that has already been printed onto, except a preprinted letterhead.
Malfunctions are especially likely when using paper printed on by other than a laser printer (e.g. monochrome and color copiers, ink-jet printers, etc.)
- Special paper, such as thermal paper, aluminum foil, carbon paper and conductive paper
- Paper whose weight is heavier or lighter than the limitation
- Paper with windows, holes, perforations, cutouts, or embossing
- Adhesive label paper on which glue or base paper is exposed
- Paper with clips or staples

Print Area

The following shows the print area for this printer. Be sure to set the print margins correctly by the application.

❖ Paper



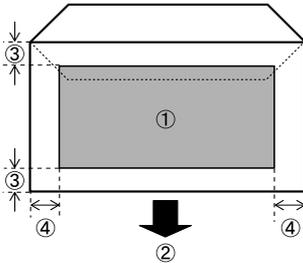
- ① Print area
- ② Feed direction
- ③ Approx. 4.2 mm (0.17 inches)
- ④ Approx. 4.2 mm (0.17 inches)

🖋 Note

- ❑ Print area may vary depending on paper size, printer language, and printer driver settings.
- ❑ If you load paper larger than A3 in the bypass tray, hold it steady so it feeds properly. Paper feed accuracy and print quality may vary according to paper thickness and width. Do a test print to check the paper you want to use gives satisfactory results.

- ❑ The maximum length of the print area is 457 mm (18") in the paper feed direction (at 1200×1200 dpi). If paper exceeding 457 mm (18") in the paper feed direction is used, the machine may not print properly.

❖ Envelope



- ① Print area
- ② Feed direction
- ③ Approx. 4.2 mm (0.17 inches)
- ④ Approx. 4.2 mm (0.17 inches)

Note

- ❑ The print area may vary depending on the paper size, printer language and printer driver settings.

Loading Paper

1

Load paper and change the paper size in tray 1, tray 2, and the optional paper feed unit by following the procedures below.

Important

- Tray 1 uses only A4 size paper  exclusively. Load A4 size paper at all times.
- The 2000-sheet large capacity tray uses only A4 size paper  exclusively. Load A4 paper at all times.
- If you want to load letter size paper ($11 \times 8\frac{1}{2}$ ) in tray 1 and the optional 2000-sheet large capacity tray, contact your sales or service representative.

Reference

See p.3 “Paper and Other Media Supported by This Printer”, for details about paper to be loaded in the paper tray and optional Paper Feed Unit Type 7300.

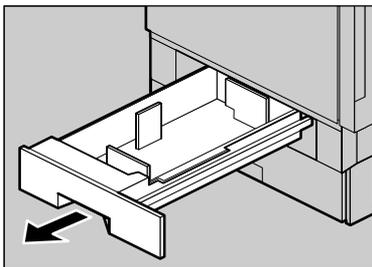
Loading Paper in Tray 1/2 and the optional paper feed unit

Loading Paper in Tray 1

Important

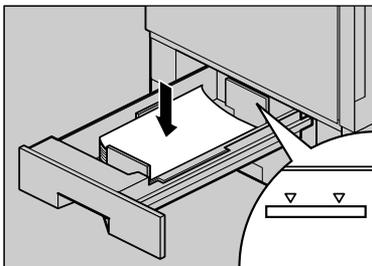
- Tray 1 uses only A4 size paper  exclusively. Load A4 size paper at all times.
- If you want to load letter size paper ($11 \times 8\frac{1}{2}$ ) in tray 1, contact your sales or service representative.

- 1** Slowly pull out the paper tray, until it stops.



AGY044S

- 2** Load paper into the tray with the print side down.



AGY055S

Important

- Check that the top of the stack is not higher than the limit mark inside the tray.
- 3** Carefully slide the paper tray into the printer, until it stops.

Loading Paper in Tray 2 and Paper Feed Unit Type 7300

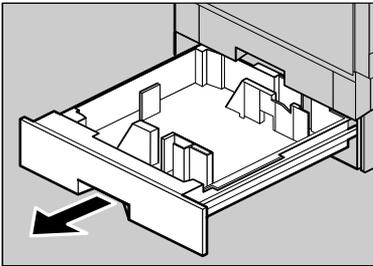
Paper of different sizes can be loaded in tray 2 and the 500- and 1000-sheet paper feed units (optional) by adjusting the positions of the side and end guides.

This section describes loading paper in tray 2.

Note

- If the side and end guides are in the right positions for the paper to be loaded, they do not have to be adjusted.

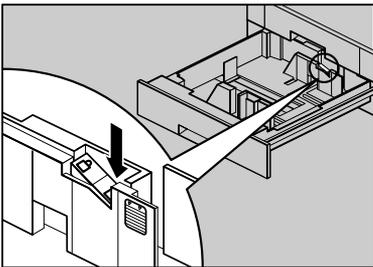
- 1** Slowly slide the paper tray out, until it stops.



ZDJH005J

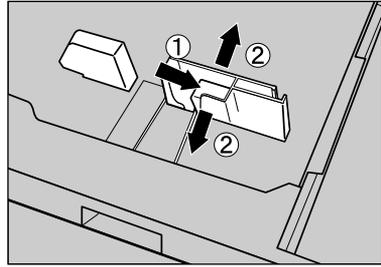
- 2** Adjust the side guide according to the size and orientation of the paper as follows:

Release the side guide lock.



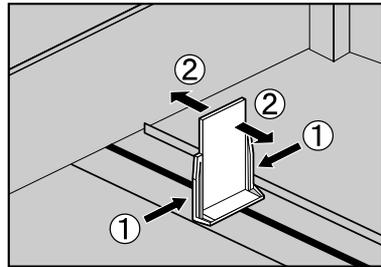
ZDJY003J

- 3** Press the side guide green lever (①), adjust the position of the guide by moving it in the direction of the arrow (②).



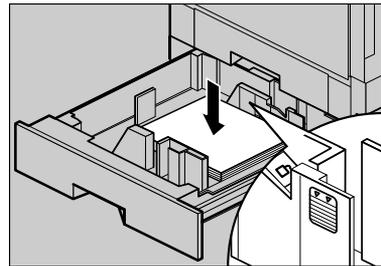
ZDJY902J

- 4** Adjust the end guide according to the size and orientation of the paper by gripping both edges of the guide (①), and then moving it in the direction of the arrow (②).



ZHXH760J

- 5** Align all four sides of the paper stack, and then load it in the tray.

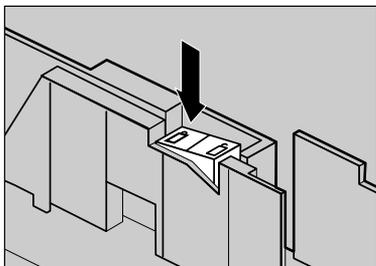


ZDJY901J

Important

- Check that the top of the stack is not higher than the limit mark inside the tray.

- 6** Make sure the paper is fixed in place, and then lock the side guide.



ZD.JY007J

- 7** Slowly slide the paper tray back until it stops.

Important

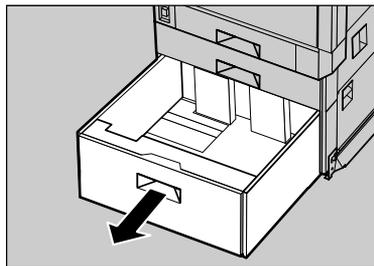
- Do not slide the paper tray in with force. If you do, the front and side guides might move.
- Be sure to adjust the side guides to the paper size, or misfeeds might occur.

Loading Paper in Paper Bank Type 7300 (2000-sheet Large Capacity Tray)

Important

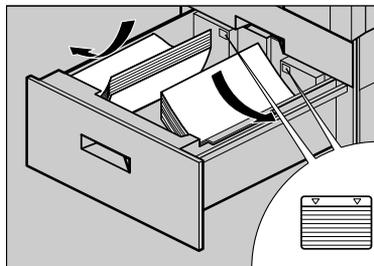
- The 2000-sheet large capacity tray uses only A4 size paper exclusively. Load A4 size paper at all times.
- If you want to load letter size paper (11 × 8¹/₂) in the 2000-sheet large capacity tray, contact your sales or service representative.

- 1** Slowly pull out the paper tray, until it stops.



ACE025S1

- 2** With the print side down, align all four sides of the two paper stacks, and then load them next to each other in the tray. Each side has a limit of 1,000 sheets.



ZD.JY008J

Important

- Align the paper and load the stacks against the left and right walls, or misfeeds might occur.
- Check that the top of the stack is not higher than the limit mark inside the tray.

- 3** Slowly push in the paper tray until it stops.

If you load a paper size that is not selected automatically

Note

- ❑ Paper sizes not selected automatically are B4, A4, B5, $7\frac{1}{4} \times 10\frac{1}{2}$, 8×13 , $8\frac{1}{2} \times 13$, $8\frac{1}{4} \times 13$, 8K ($10\frac{1}{2} \times 15.35$), 16K ($7.68 \times 10\frac{1}{2}$), 16K ($10\frac{1}{2} \times 7.68$).

Reference

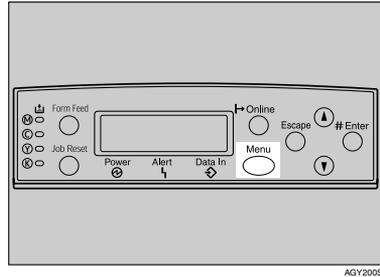
See p.21 "Loading Paper in Tray 2 and Paper Feed Unit Type 7300", for details about how to load the paper.

Important

- ❑ Tray 1 uses only A4 size paper exclusively. Load A4 size paper at all times.
- ❑ 2000-sheet large capacity tray uses only A4 size paper exclusively. Load A4 size paper at all times.
- ❑ If you want to load letter size paper ($11 \times 8\frac{1}{2}$) in tray 1 and the optional 2000-sheet large capacity tray, contact your sales or service representative.

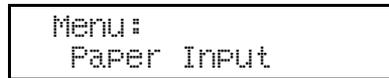
This section uses letter size paper ($8\frac{1}{2} \times 11$) as an example.

- 1 Press the [Menu] key.



The [Menu] screen appears on the display.

- 2 Press the [▲] or [▼] key to display [Paper Input], and then press the [# Enter].

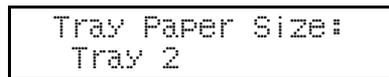


The paper selection menu appears.

- 3 Press the [▲] or [▼] key to display [Tray Paper Size], and then press the [# Enter] key.

The paper tray selection menu appears.

- 4 Press the [▲] or [▼] key to display the target paper tray, and then press the [# Enter] key.



The paper size selection menu appears.

- 5** Press the [▲] or [▼] key to display the loaded paper size, and then press the [# Enter] key.

```
Tray 2:
 8 1/2 x 11
```

After about two seconds, the display returns to the menu.

- 6** Press the [Online] key.

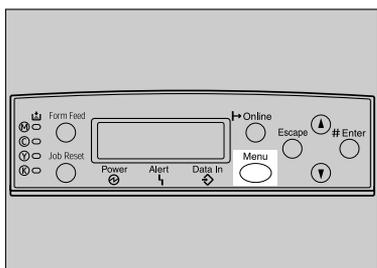
The initial screen appears.

This completes the setting change.

Important

- After printing on a paper size that is not selected automatically, if you want to print on paper that is selected automatically again, reload the paper, proceed to step **7**, and return the setting to “Auto”.

- 7** Press the [Menu] key.



The [Menu] screen appears on the display.

- 8** Press the [▲] or [▼] key to display [Paper Input], and then press the [# Enter] key.

```
Menu:
Paper Input
```

The paper selection menu appears.

- 9** Press the [▲] or [▼] key to display [Tray Paper Size], and then press the [# Enter] key.

The paper tray selection menu appears.

- 10** Press the [▲] or [▼] key to display the target paper tray, and then press the [# Enter] key.

```
Tray Paper Size:
Tray 2
```

The paper size selection menu appears.

- 11** Press the [▲] or [▼] key to display [Auto], and then press the [# Enter] key.

```
Tray 2:
*Auto
```

After about two seconds, the display returns to the menu.

- 12** Press the [Online] key.

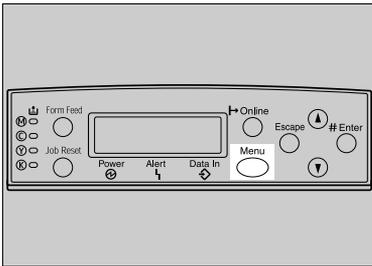
The initial screen appears.

Specifying a paper type for Tray 1/2 and the optional paper feed unit

Improve printer performance by selecting the optimum paper type for the tray. You can select from the following paper types:

- Plain Paper, Recycled Paper, Special Paper, Color Paper, Letterhead, Preprinted Paper

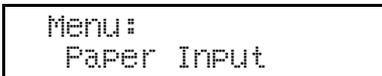
1 Press the [Menu] key.



AGY2005

The [Menu] screen appears on the display.

2 Press the [▲] or [▼] key to display [Paper Input], and then press the [# Enter] key.

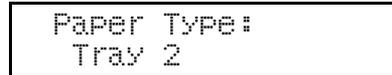


The paper selection menu appears.

3 Press the [▲] or [▼] key to display [Paper Type], and then press the [# Enter] key.

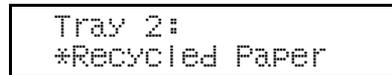
The paper tray selection menu appears.

4 Press the [▲] or [▼] key to display the target paper tray, and then press the [# Enter] key.



The paper type selection menu appears.

5 Press the [▲] or [▼] key to display the loaded paper type, and then press the [# Enter] key.



After about two seconds, the display returns to the menu.

6 Press the [Online] key.

The initial screen appears.

Loading Paper in the Bypass Tray

Besides plain paper, you can use the bypass tray to load thick paper, envelopes, OHP transparencies, paper longer than A3, and paper that cannot be loaded in the paper trays or paper feed unit.

- Set the size and direction of the loaded paper on the control panel or with the printer driver. Make sure the settings do not conflict. Otherwise, the paper may jam or the print quality may be affected.

Note

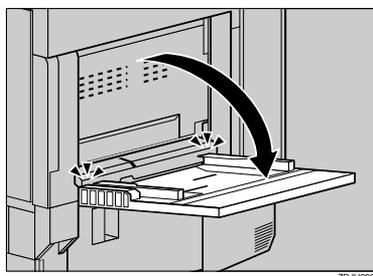
- The bypass tray can accommodate sheets 90-305 mm (3.5"-12.01") wide and 148-457 mm (5.8"-18") long. However, the paper size must be set using the control panel. When using the RPCS™ printer driver, sheets of up to 1260 mm (49.61") in length can be set.
- If you load custom size paper or special paper, select the paper size using the control panel. The RPCS™ printer driver can select the paper size using the printer driver properties. The paper size selected using the printer driver overrides that selected using the control panel. See p.28 "Specifying custom size paper for the Bypass Tray".
- If you load thick paper, OHP transparencies, or envelopes, make the settings for thick paper or OHP transparencies using the control panel or printer driver. See p.29 "Specifying a paper type for the Bypass Tray".
- The number of pages that can be loaded in the bypass tray differs depending on paper type. Check that the top of the stack is not higher than the limit mark inside the tray.

- When loading paper in the bypass tray, use ☐ orientation if possible.
- When loading the bypass tray with paper that will be delivered into the top-left tray, load the paper so the side you want to print on faces up.

Limitation

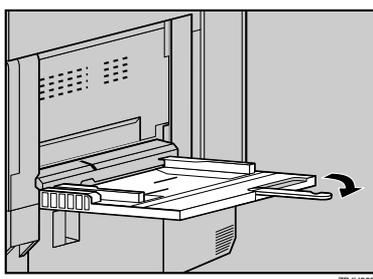
- You cannot use the following functions when printing on paper loaded in the bypass tray:
 - Duplex Print
 - Job Separation
 - Staple/Punch
 - Auto Tray Select

1 Open the bypass tray.

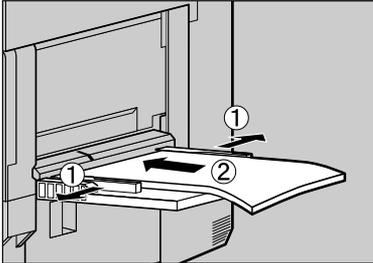


Note

- If you load A4 or larger size paper, pull out the bypass tray extension, and then flip it open.

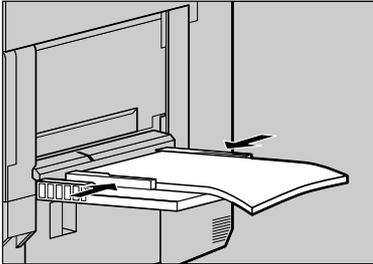


- 2** Slide the side guides outward (①), and then load paper print side up, until it stops (②).



ZD.JH204J

- 3** Adjust the side guides to fit the paper width.

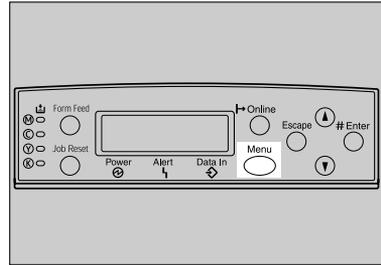


ZD.JH205J

Important

- Check that the top of the stack is not higher than the limit mark inside the tray.
- Shuffle the paper before loading the stack onto the tray, so multiple sheets are not fed in together.

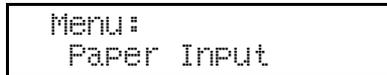
- 4** Set the paper size using the control panel. Press the [Menu] key.



AGY200S

The [Menu] screen appears on the display.

- 5** Press the [▲] or [▼] key to display [Paper Input], and then press the [# Enter] key.

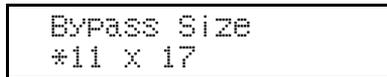


The paper selection menu appears.

- 6** Check [Bypass Size] appears, and then press the [# Enter] key.

The paper size selection menu appears.

- 7** Press the [▲] or [▼] key to display the size and orientation of the paper in the bypass tray.



After about two seconds, the display returns to the menu.

- 8** Press the [Online] key.

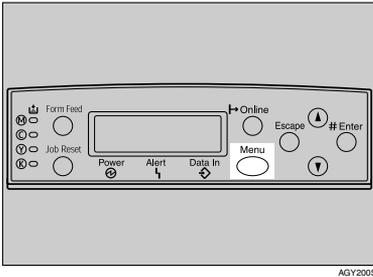
The initial screen appears.

Specifying custom size paper for the Bypass Tray

Important

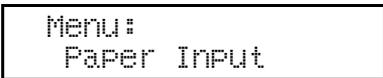
- ❑ The paper size selected using the printer driver overrides that selected using the control panel. You do not have to make settings using the control panel if you already made them using the printer driver. However, when printing with a printer driver other than the RPCS™ printer driver, you must make the settings using the control panel. For details about the printer driver, see Help.
- ❑ The printer cannot print from applications that do not support custom size paper.

1 Press the [Menu] key.



The [Menu] screen appears on the display.

2 Press the [▲] or [▼] key to display [Paper Input], and then press the [# Enter] key.



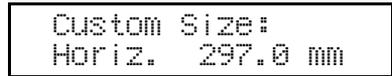
The paper selection menu appears.

3 Check [Bypass Size] appears, and then press the [# Enter] key.

The paper size selection menu appears.

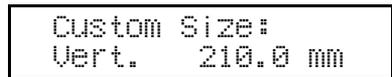
4 Press the [▲] or [▼] key to display [Custom Size], and then press the [# Enter] key.

5 Press the [▲] or [▼] key to set the horizontal value, and then press the [# Enter] key.



By pressing the key, the value increases or decreases by 0.1 mm. By pressing and holding the key, the value varies by 1 mm.

6 Press the [▲] or [▼] key to set the vertical value, and then press the [# Enter] key.



After about two seconds, the display returns to the menu.

7 Press the [Online] key.

The initial screen appears.

Specifying a paper type for the Bypass Tray

By selecting the paper type you want to load, the printer performs better. You can select from the following paper types:

- Plain Paper, Recycled Paper, Special Paper, Color Paper, Letterhead, Preprinted Paper, OHP Transparencies, Thick Paper, Plain Paper (Duplex), Thick Paper (Duplex)

⚠ Limitation

- ❑ You cannot use the following functions when printing on paper loaded in the bypass tray:
 - Duplex Print
 - Job Separation
 - Staple, Punch
 - Auto Tray Select

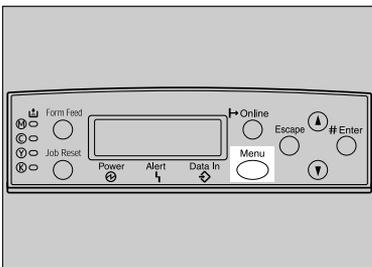
🚨 Important

- ❑ Be sure to select the paper type when you load labels, thick paper, or OHP transparencies in the bypass tray.

📝 Note

- ❑ When printing labels, select thick paper as the paper type.

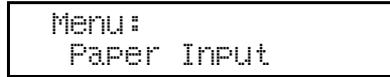
- 1 Press the [Menu] key.



AGY2005

The [Menu] screen appears on the display.

- 2 Press the [▲] or [▼] key to display [Paper Input], and then press the [# Enter] key.



The paper selection menu appears.

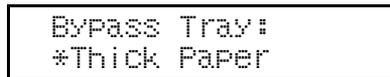
- 3 Press the [▲] or [▼] key to display [Paper Type], and then press the [# Enter] key.

The paper tray selection menu appears.

- 4 Press the [▲] or [▼] key to display [Bypass Tray], and then press the [# Enter] key.

The paper type selection menu appears.

- 5 Press the [▲] or [▼] key to display the target paper type, and then press the [# Enter] key.



After about two seconds, the display returns to the menu.

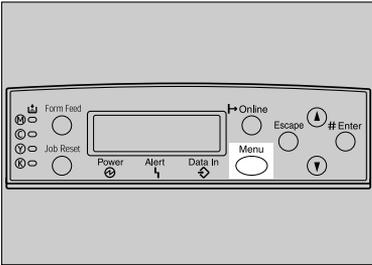
- 6 Press the [Online] key.

The initial screen appears.

Switching between Paper Trays

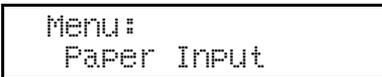
When paper of the same size is loaded in both the standard tray and the paper feed unit (option), and when "Auto Tray Select" is set with the printer driver, paper will be fed from the standard tray when you start printing. To print on paper loaded in the paper feed unit, switch the tray to be used to the paper feed unit using "Tray Priority" in the "Paper Input" Menu.

1 Press the [Menu] key.



The [Menu] screen appears on the display.

2 Press the [▲] or [▼] key to display [Paper Input], and then press the [# Enter] key.



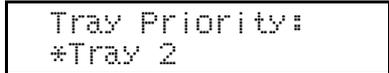
The paper selection menu appears.

3 Press the [▲] or [▼] key to display [Tray Priority], and then press the [# Enter] key.

The paper tray selection menu appears.

4 Press the [▲] or [▼] key to select the tray type you want to use, and then press the [# Enter] key.

The following message appears on the display:



5 Press the [Online] key.

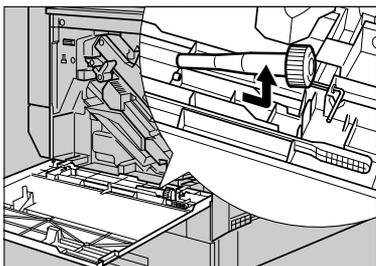
The initial screen appears.

2. Replacing Consumables and Maintenance Kit

Using the Screwdriver

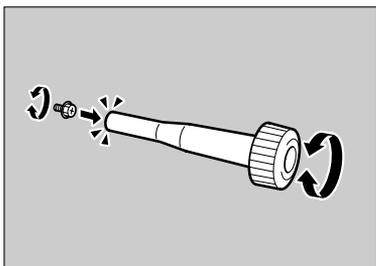
The screwdriver supplied is used for attaching options and is located inside the front cover.

- 1** Open the printer's front cover, and then remove the provided screwdriver.



AGY008S

- 2** Insert the screw into the screwdriver.



ABT021S1

By pushing the screw into the screwdriver, you can work without having to worry about dropping the screw.

Note

- After using the screwdriver, return it to its original position inside of the front cover.

Detaching and Reattaching the Options

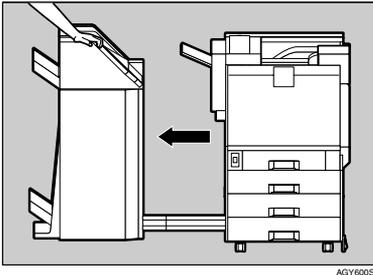
This section describes how to detach or reattach optional finishers and how to open and close the duplex reversal unit. Follow the procedure below when replacing various units or removing jammed paper.

2

Detaching the SR960 (2 Tray Finisher)

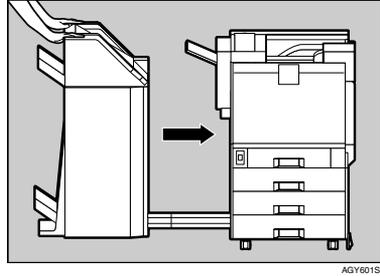
There are times when you may need to detach the 2 tray finisher from the printer to remove misfed paper. This section describes how to detach the 2 tray finisher.

- 1 Hold the handle at the top of the 2 tray finisher firmly using one hand, pull the 2 tray finisher straight out, and let go when it stops.



The 2 tray finisher is detached from the printer.

- 2 Use both hands to push it straight back in, and let go when it clicks into place.



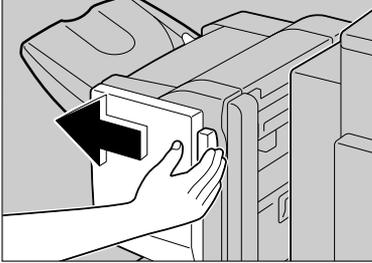
The 2 tray finisher is reattached to the printer.

Important

- Be sure to attach the 2 tray finisher to the printer after closing the duplex reversal unit. See p.33 “Opening and Closing the Duplex Reversal Unit”.

Detaching the SR950 (Booklet Finisher)

- 1 Hold the release lever, and then pull out the booklet finisher.



ACE030S

The booklet finisher is detached from the printer.

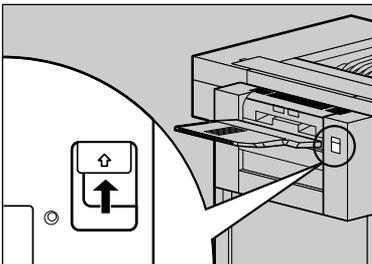
- 2 Attach the booklet finisher.

The booklet finisher is reattached to the printer.

Opening and Closing the Duplex Reversal Unit

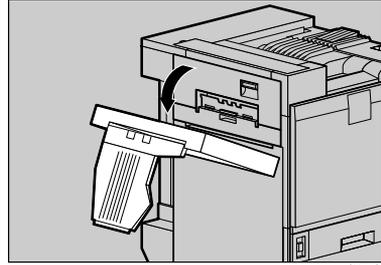
There are times when you may need to detach the duplex reversal unit to remove misfed paper. This section describes how to detach the duplex reversal unit.

- 1 Push up the lock release button and leave it in place.



ZHXX770J

- 2 Lower the duplex reversal unit slowly until it stops.



AGY051S

Important

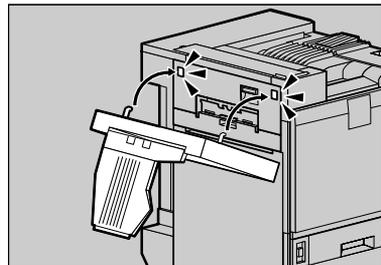
- Open the duplex reversal unit after detaching the 2 tray finisher or the booklet finisher from the printer. See p.32 "Detaching the SR960 (2 Tray Finisher)" or p.33 "Detaching the SR950 (Booklet Finisher)".

Note

- You do not have to remove the external tray even if the 2 tray finisher or the booklet finisher is attached.

The duplex reversal unit is opened.

- 3 Close the duplex reversal unit by raising it slowly using both hands, and push it in, until it clicks into place.



AGY052S

The duplex reversal unit is closed.

Important

- Attach the duplex reversal unit after closing the printer's upper left cover.

Replacing the Toner Cartridge

2

⚠ WARNING:

- **Do not incinerate spilled toner or used toner. Toner dust is flammable and might ignite when exposed to an open flame.**
- **Disposal should take place at an authorized dealer or an appropriate collection site.**
- **If you dispose of the used toner cartridges yourself, dispose of them according to local regulations.**
- **Do not store toner, used toner, or toner containers in a place with an open flame. The toner might ignite and cause burns or a fire.**

⚠ CAUTION:

- *Keep toner (used or unused) and the toner cartridge out of reach of children.*
- *If toner or used toner is inhaled, gargle with plenty of water and move into a fresh air environment. Consult a doctor if necessary.*
- *If your skin comes into contact with toner or used toner, wash the affected area thoroughly with soap and water.*
- *If toner or used toner gets into your eyes, flush immediately with large amounts of water. Consult a doctor if necessary.*

⚠ CAUTION:

- *If toner or used toner is swallowed, dilute by drinking a large amount of water. Consult a doctor if necessary.*
- *Avoid getting toner on your clothes or skin when removing a paper jam or replacing toner. If your skin comes into contact with toner, wash the affected area thoroughly with soap and water.*
- *If toner gets on your clothing, wash with cold water. Hot water will set the toner into the fabric and may make removing the stain impossible.*

📝 Note

- ❑ The actual number of printed pages differs depending on paper type, size, contents, and settings. For details, see p.121 “Toner Cartridge”.

The color of the lit LED indicates the toner status for each color. A red light indicates the toner cartridge must be replaced.

Replace the toner cartridge if the following message appears on the display:

Add Toner
XXX

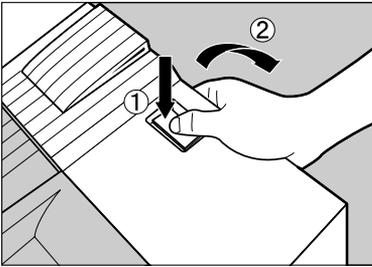
or

Add Toner
XXX/XXX

Note

- A combination of one to four colors, yellow, magenta, cyan, black, appears in "XXX".
- If cyan, magenta, or yellow toner runs out, you can print in black and white mode using the black toner. Change the color mode setting to "Black and White" from the printer driver.
- If black toner runs out, printing is not possible until the black toner cartridge is replaced.

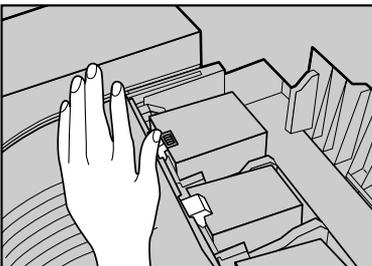
- 1** While pushing the lock button on the upper right cover of the printer (①), open the upper right cover (②).



ZDJT006J

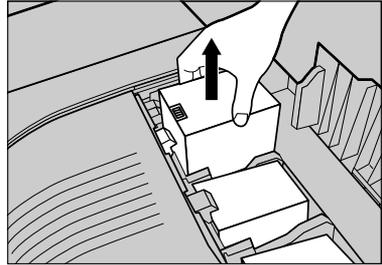
From the end, the toner cartridges are installed in the order of magenta (M), cyan (C), yellow (Y), and black (K).

- 2** Remove the toner cartridge for the color you want to replace. Unhook the green hook on the toner cartridge with one hand.



ZDJT999J

- 3** Holding the toner cartridge with the other hand, slowly pull it up and out.



ZDJT201J

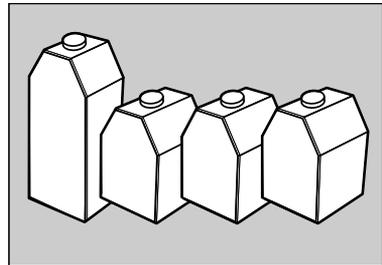
Important

- Do not shake the removed toner cartridge. Remaining toner might scatter.

Note

- Depending on the setting up environment, toner might be left in a toner cartridge. In such cases, reinstall the toner cartridge.

- 4** Take the new toner cartridge out of the box.

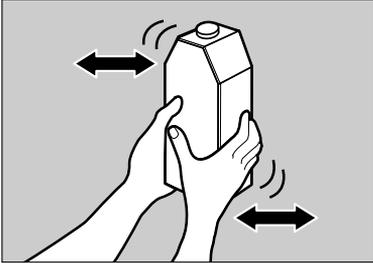


ZDJT202J

Note

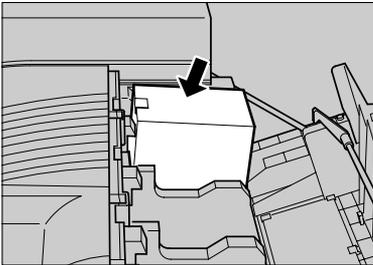
- The black toner cartridge contains more than the other toner cartridges.

5 Shake the toner cartridge back and forth five or six times.



ZDJT203J

6 Holding the toner cartridge with the metal contact area in front, insert in the direction of the arrow.

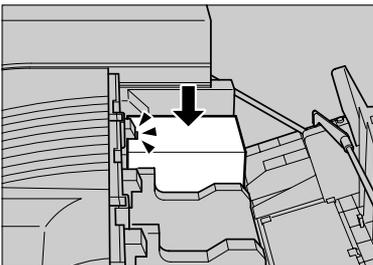


AGY240S

Important

- Do not touch the metal contact area with your fingers.

7 Slowly insert the toner cartridge, until the green hook clips over the metal contact area.

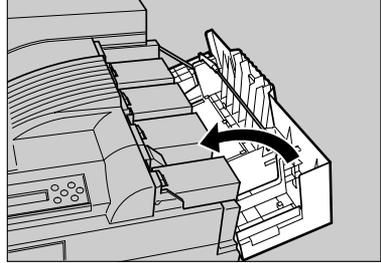


AGY241S

Important

- Do not install and remove toner cartridges repeatedly. This could result in toner leak.

8 Close the upper right cover.



AGY110S

Please wait while the toner loads.

The following message appears on the display:



Important

- To avoid malfunction, do not turn off the power while "Loading Toner..." appears on the display.

Replacing the Photoconductor Unit

If “Replace Black PCU (Type F)” appears on the display, replace the black photoconductor unit.

Replace Black
PCU (Type F)

If “Replace Color PCU (Type A)” appears on the display, replace the three color photoconductor units.

Replace Color
PCU (Type A)

Note

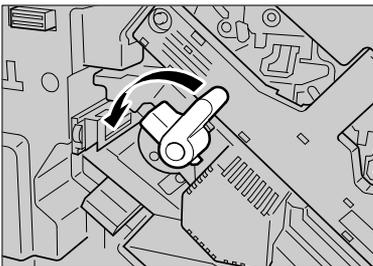
- The replacement procedure for the third photoconductor unit from the top left will be described. The procedure is the same for all four photoconductor units.

- 1** Turn off the power, and then unplug the power cable.
- 2** Slowly open the front cover of the printer, remove the green screwdriver.

Reference

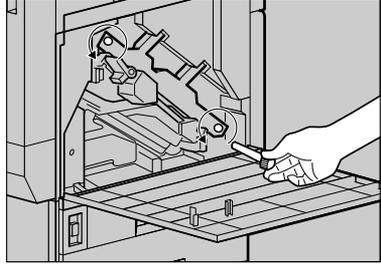
p.31 “Using the Screwdriver”

- 3** Turn the green lever counter-clockwise.



AGY066S

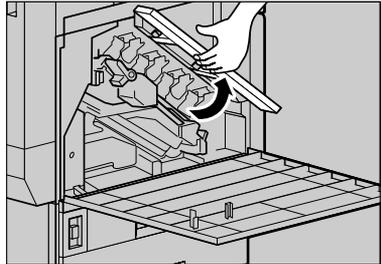
- 4** Loosen the two screws fastening the inner cover, using the provided screwdriver.



AGY066S

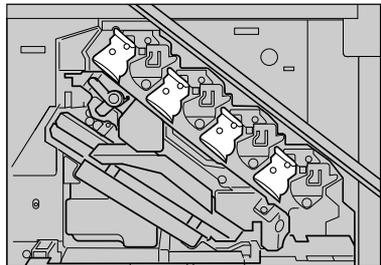
You cannot remove these two screws.

- 5** Lift the inner cover until it clicks into place and holds.



AGY070S

The photoconductor units are installed as shown. Starting from the upper left, the units are attached in the order of black (K), yellow (Y), cyan (C), and magenta (M).

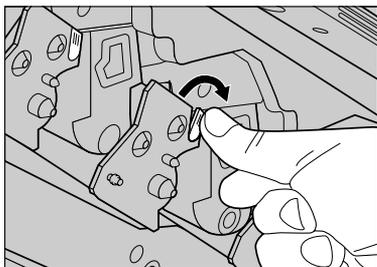


AGY071S

2

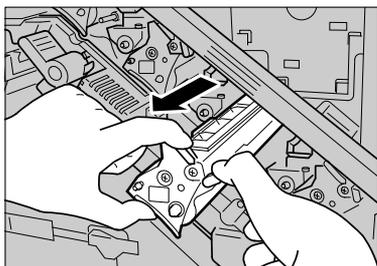
- 6** Remove the photoconductor unit you want to replace. Move the green hook slowly to the right, as shown. The green hook is located on the upper right of the photoconductor unit.

For black, remove the upper left one, and for color, remove the three on the right.



AGY126S

- 7** Hold the hook down, grip the green areas at the top and bottom of the photoconductor unit, and then slowly pull the unit out until you can see the entire green handle.

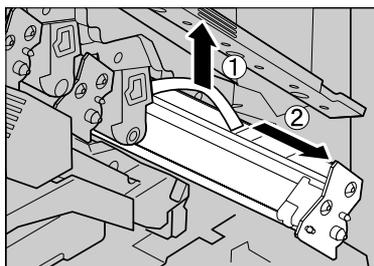


ZHXH890J

Important

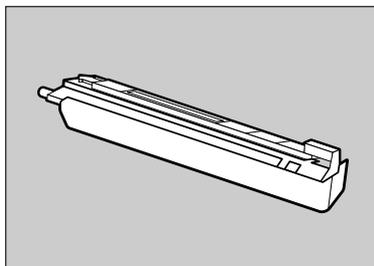
- Pulling out the photoconductor unit quickly might cause it to fall.

- 8** Lift and hold the green handle at the top (①), and then slowly pull out the unit (②).



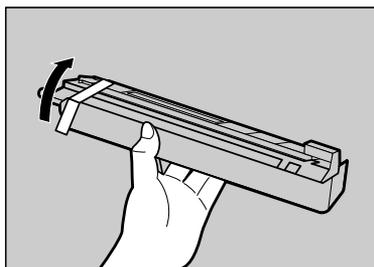
AGY072S

- 9** Install the new photoconductor unit. Take the unit out of the bag. For black, install one, and for color, install all three.



ZDJH221J

- 10** Hold the photoconductor unit, and remove the adhesive tape at the tip of the unit.

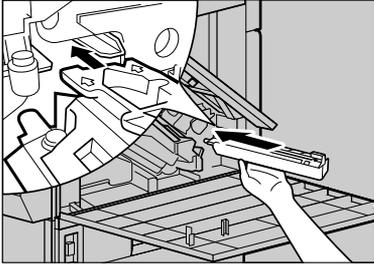


ZDJH222J

Important

- Do not remove the cover attached to the bottom of the photoconductor unit yet.

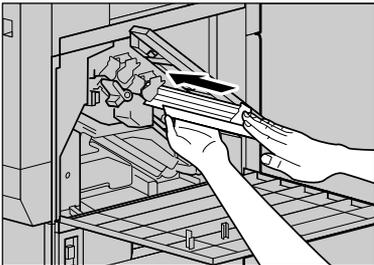
- 11** Line up the green arrow at the tip of the photoconductor unit with the rail inside the printer.



Important

- ❑ Make sure the green arrow fits securely to the rail before proceeding to the next step.

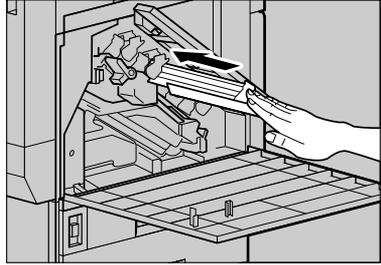
- 12** Slowly push the front of the photoconductor unit, slide the unit on the cover, and then push in until it stops.



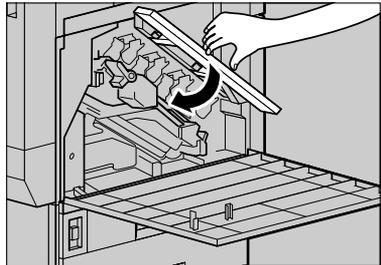
Important

- ❑ If you do not attach the green arrow of the photoconductor unit securely to the rail, you might damage the photoconductor unit.
- ❑ Do not touch the light-sensitive area of the photoconductor unit.

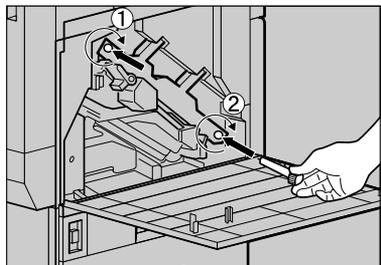
- 13** Remove the cover, and then slowly push in the photoconductor unit, until it stops.



- 14** Slowly lower the inner cover out.



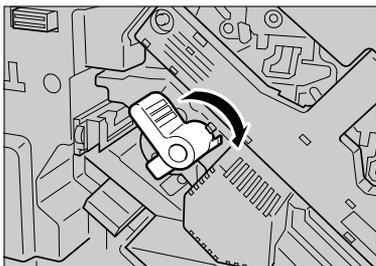
- 15** Tighten the two screws using the provided screwdriver.



Note

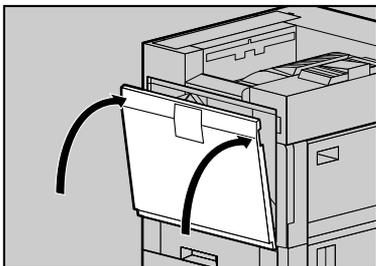
- ❑ Be sure to return the provided screwdriver to its original position on the back of the front cover.

- 16** Turn the green lever clockwise.



AGY067S

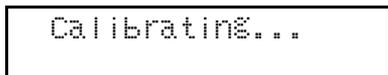
- 17** Slowly close the front cover by pushing the two areas on the left and right.



AGY048S

- 18** Plug in the power cable, and then turn on the power.

The printer starts calibration. Wait until it stops. The following message appears on the display:



Important

- To avoid malfunction, do not turn off the power during calibration.

Replacing the Development Unit

If “Replace Black Dev. Unit(TypeD)” appears on the display, replace the black development unit.

Replace Black
Dev. Unit(TypeD)

If “Replace Color Dev. Unit(TypeB)” appears on the display, replace all three color (CMY) development units.

Replace Color
Dev. Unit(TypeB)

Note

- ❑ A dustproof filter is attached to the black development unit. When replacing the black development unit, also replace the dustproof filter. See p.48 “Replacing the Dustproof Filter”.
- ❑ When replacing the black development unit, clean the registration roller. See p.56 “Cleaning the Registration Roller”.
- ❑ The replacement procedure for the third development unit from the top left will be described. The procedure is the same for all four development units.

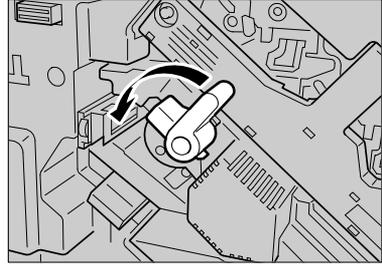
1 Turn off the power, and then unplug the power cable.

2 Slowly open the front cover of the printer, remove the green screwdriver.

Reference

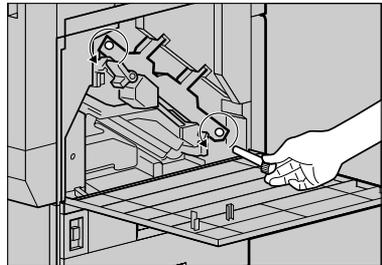
p.31 “Using the Screwdriver”

3 Turn the green lever counter-clockwise.



AGY066S

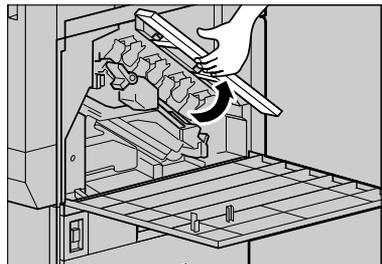
4 Loosen the two screws fastening the inner cover, using the provided screwdriver.



AGY066S

You cannot remove these two screws.

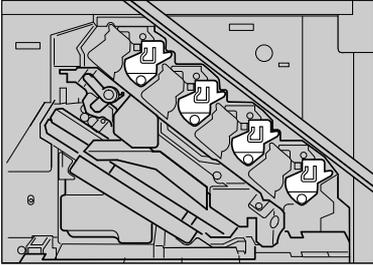
5 Lift the inner cover until it clicks into place and holds.



AGY070S

The development units are installed as shown. Starting from the upper left, the units are attached in the order of black (K), yellow (Y), cyan (C), and magenta (M).

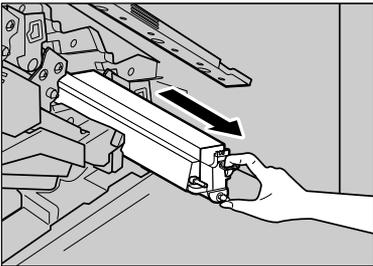
2



AGY077S

- 6** Remove the development unit. Hook your finger into the green tab in front of the development unit you want to replace, and then pull it out halfway.

The procedure for removing the unit is the same for all four colors.

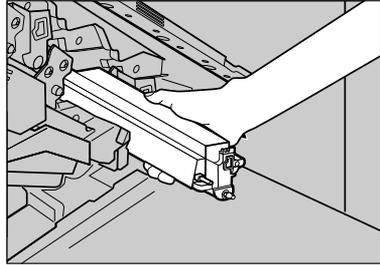


AGY078S

Important

- Pulling out the development unit quickly might cause it to fall.

- 7** Hold the right side of the Development unit using your right hand, and pull the unit slowly out.



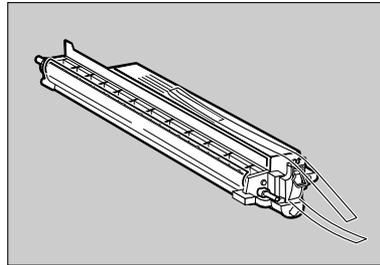
AGY078S

Important

- Be careful not to touch the right side of development unit.
- Be careful not to let it come into contact with your hands or clothes.

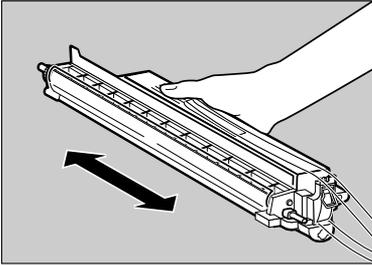
- 8** Install a new development unit. Take the unit out of the bag.

The procedure for attaching the development unit is the same for all four colors.



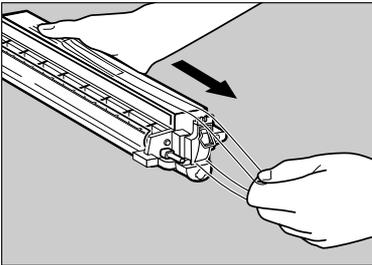
AGY802S

- 9** Shake the development unit back and forth five or six times.



AGY2305

- 10** Remove the adhesive tape on the upper side of the unit.

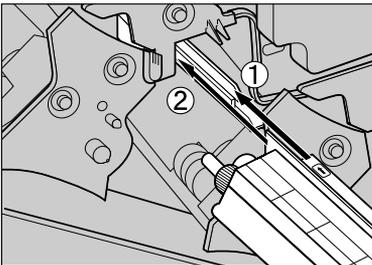


AGY2315

Important

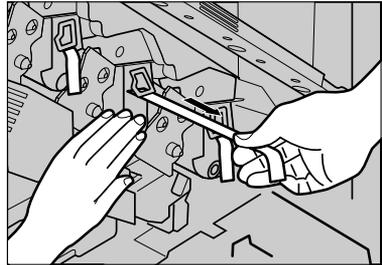
- Do not remove the tape attached to the front of the development unit

- 11** Insert the development unit along the rail (1), and push in slowly, until it stops (2).



ZDJH227E

- 12** Holding the development unit, slowly pull out the tape horizontally.

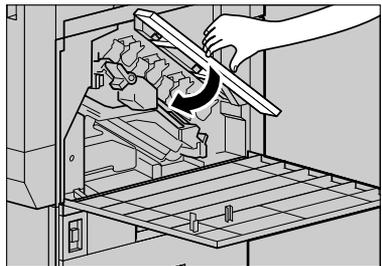


AGY0655

Important

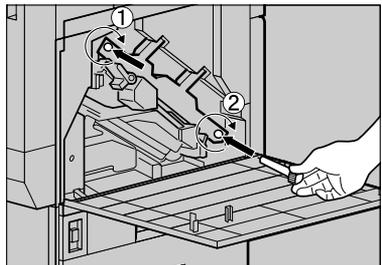
- To avoid malfunction, be sure to pull out the tape.
- The removed tape is dirty. Be careful not to let it come into contact with your hands or clothes.

- 13** Slowly lower the inner cover out.



AGY0765

- 14** Tighten the two screws using the provided screwdriver.

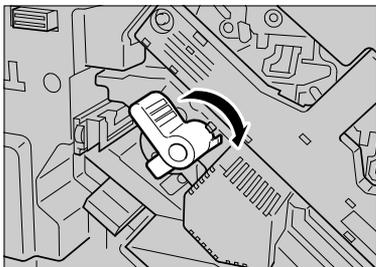


AGY0695

 **Note**

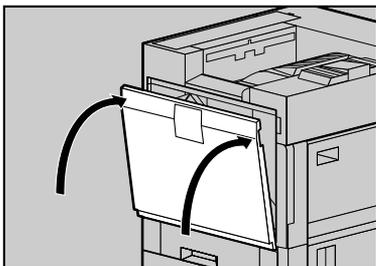
- ❑ Be sure to return the provided screwdriver to its original position on the back of the front cover.

15 Turn the green lever clockwise.



AGY0675

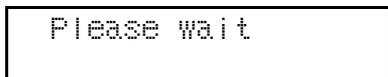
16 Slowly close the front cover by pushing the two areas on the left and right.



AGY0495

17 Plug in the power cable, and then turn on the power.

“Please wait” appears on the display, and initial adjustments begin. Wait until these stop.



 **Important**

- ❑ To avoid malfunction, do not turn off the power during adjustments.

Replacing the Fusing Unit

⚠ CAUTION:

- The fusing unit becomes very hot. When installing a new fusing unit, turn off the printer and wait about an hour. After that, install the new fusing unit. Not waiting for the unit to cool could result in a burn.

⚠ CAUTION:

- Touch only the handles, no other parts. The fusing unit gets very hot and will burn your hands if you touch it.

If “Replace Fusing Unit (TypeC)” appears on the display, replace the fusing unit.

Replace Fusing
Unit (TypeC)

- 1 Turn off the power, and then unplug the power cable.

⚠ Important

- Be sure to wait about an hour to avoid burns.

- 2 If the 2 tray finisher or the booklet finisher is installed, detach it from the printer.

🔍 Reference

p.32 “Detaching the SR960 (2 Tray Finisher)”

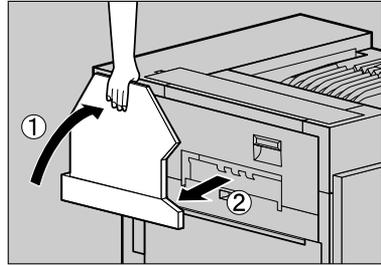
p.33 “Detaching the SR950 (Booklet Finisher)”

- 3 If the duplex unit is installed, open the duplex reversal unit.

🔍 Reference

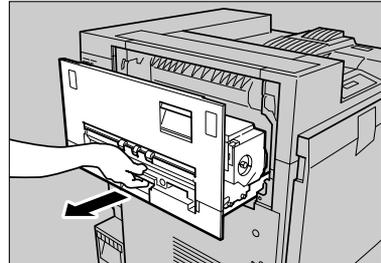
p.33 “Opening and Closing the Duplex Reversal Unit”

- 4 If the external tray is attached to the printer, raise it in the direction of the arrow (①), and then remove it (②).



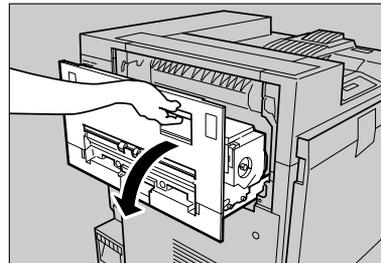
ZDUP038J

- 5 Slowly pull out the left cover.



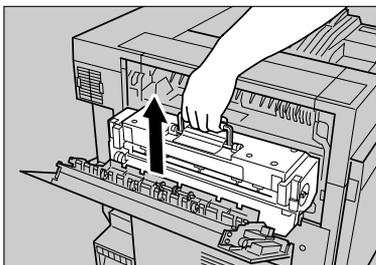
AGY105S

- 6 Open the upper left cover.



AGY106S

- 7** Holding the fusing unit handle as shown, slowly pull the fusing unit up, and then put it down on a surface.



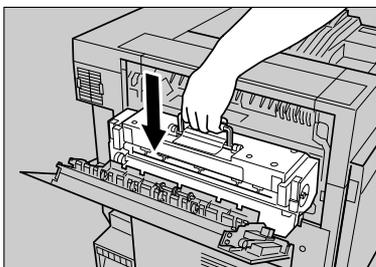
AGY089S

Important

- Do not touch any area other than the green felt parts.
- Do not touch the inside of the fusing unit.

- 8** Take the new fusing unit out of the bag and put it down on a level surface.

- 9** Holding the fusing unit handle, slowly lower the unit to align it with the marks on the machine stand.

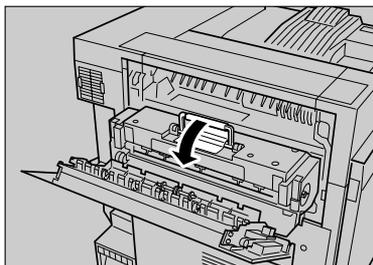


AGY089S

Important

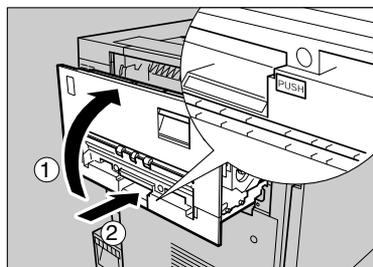
- Install the fusing unit so the blue dial is on the front cover side.

- 10** Slowly turn the fusing unit handle in the direction of the arrow, until it clicks.



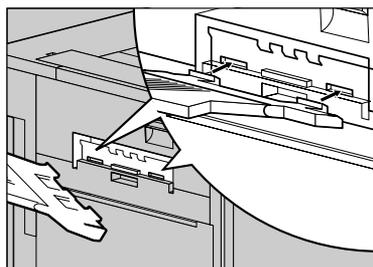
AGY130S

- 11** Close the upper left cover (1), and then push the part labeled "PUSH" next to the handle at the bottom rear, until it clicks (2).



ZHXH082J

- 12** If you removed the external tray in step 4, reattach it to the printer. Insert the hooks of the external tray into the printer slits, and lower it toward you.



ZD1H010J

- 13** If the duplex unit is installed, close the duplex reversal unit.

 **Reference**

p.33 "Opening and Closing the Duplex Reversal Unit"

- 14** If the 2 tray finisher or the booklet finisher is installed, reattach it to the printer.

 **Reference**

p.32 "Detaching the SR960 (2 Tray Finisher)"

p.33 "Detaching the SR950 (Booklet Finisher)"

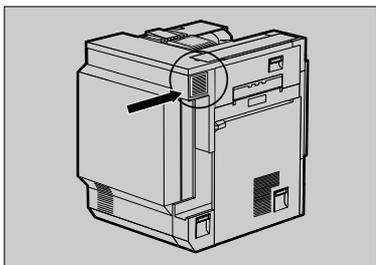
- 15** Plug in the power cable, and then turn on the power.

Replacing the Dustproof Filter

The dustproof filter is attached to the black development unit. When replacing the black development unit, also replace the dustproof filter.

2

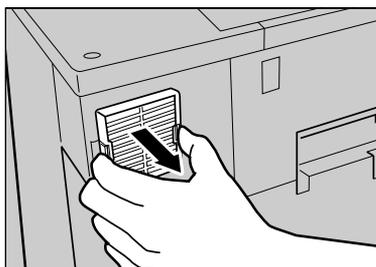
The dustproof filter is attached to the left side of the printer, as shown.



ZDJH801J

1 Turn off the power, and then unplug the power cable.

2 Push in the grips on both sides of the dustproof filter cover to pull it off.

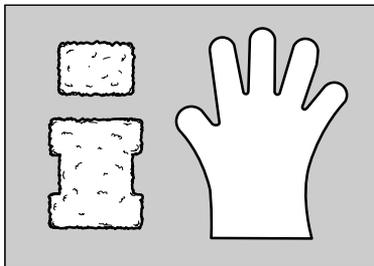


ZHXH570J

 **Note**

- Be sure to put the removed dustproof filter cover down on a stable and level surface.

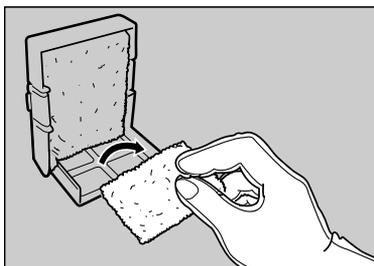
3 From the box that contained the black development unit, take out the new dustproof filter and glove.



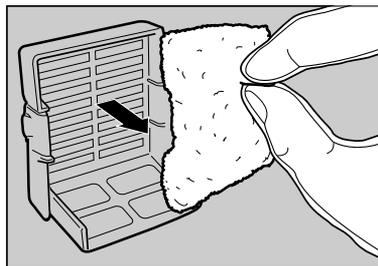
ZDJH214J

4 Put the glove on either hand.

5 Using your gloved hand, slowly take out the dustproof filters attached to the dustproof filter cover, one by one, and put them into the box that contained the black development unit.



ZDJH215J



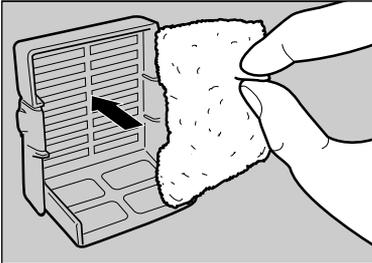
ZDJH215J

Important

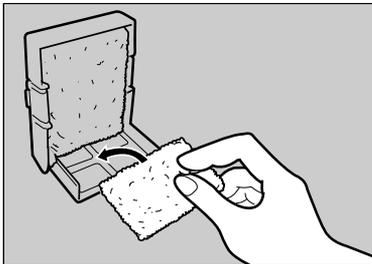
- Handle the removed dustproof filters with care. If you shake them, dust might scatter.

6 Take off the glove.**Important**

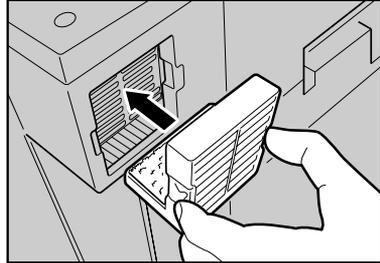
- Be sure to take off the glove before attaching a new dustproof filter.

7 Attach the new dustproof filters to the dustproof filter cover one by one. Attach the large filter.

ZD.JH216.J

8 Attach the small filter.

ZD.JH217.J

9 Insert the dustproof filter cover into the upper left area of the printer.

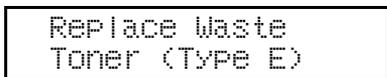
ZH.XH580.J

10 Plug in the power cable, and then turn on the power.

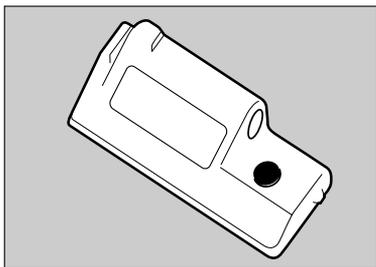
Replacing the Waste Toner Bottle

If “Replace Waste Toner (Type E)” appears on the display, replace the waste toner bottle.

2

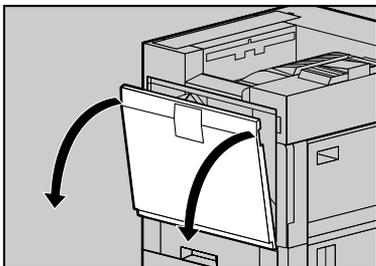


- 1** Turn off the power, and then unplug the power cable.
- 2** Take the new waste toner bottle out of the bag.



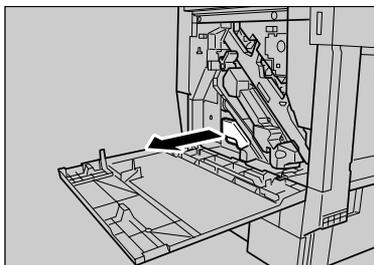
ZD.JH228J

- 3** Slowly open the front cover by pulling down from the two areas on the left and right.



AGY046S

- 4** Slowly remove the used waste toner bottle from inside the printer.

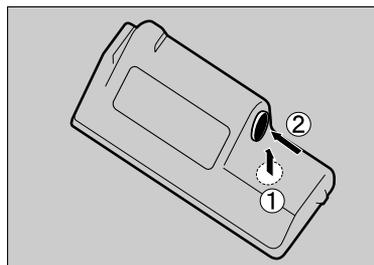


AGY080S

Important

- Be sure to remove the waste toner bottle horizontally.

- 5** Remove the lid (①), and then put it in the position shown in the illustration (②).



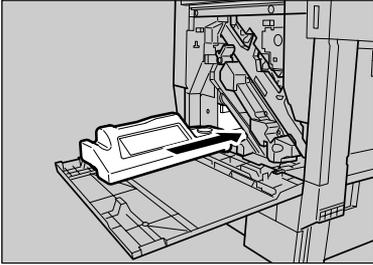
ZD.JH228J

- 6** Put the used waste toner bottle into the bag that contained the new waste toner bottle, and then seal the bag.

Important

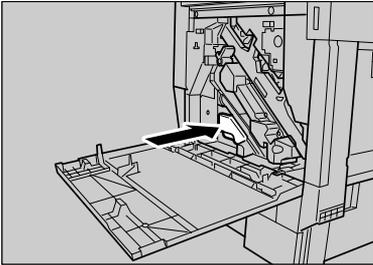
- Be sure to handle the bottle carefully so waste toner does not spill.

- 7** Insert the new waste toner bottle as shown.



AGY082S

- 8** Push it in until it stops.

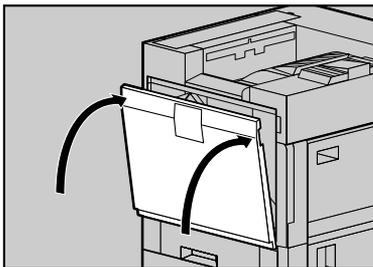


AGY081S

Important

- Be sure to firmly insert the waste toner bottle to avoid toner leakage inside the printer.

- 9** Slowly close the front cover by pushing the two areas on the left and right.



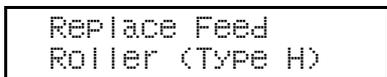
AGY049S

- 10** Plug in the power cable, and then turn on the power.

Replacing the Paper Feed Roller

If “Replace Feed Roller (Type H)” appears on the display, replace all three paper feed rollers.

2



Note

- The following illustrations are examples of replacing the paper feed rollers of Tray 1. The same procedure applies to other trays.

1 Check the contents of the box for the following items:

❖ Paper Feed Roller A



❖ Paper Feed Roller B



❖ Paper Feed Roller C



❖ Two Stoppers

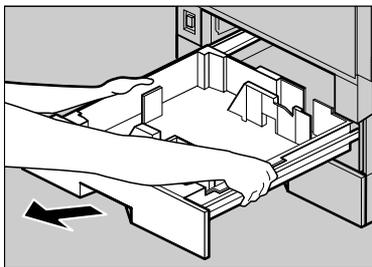


2 Turn off the power, and then unplug the power cable.

Important

- If you are replacing the paper feed rollers of the optional 2000-sheet Large Capacity Tray, remove all paper from the tray.

3 Slowly pull out all trays while lifting up a little.

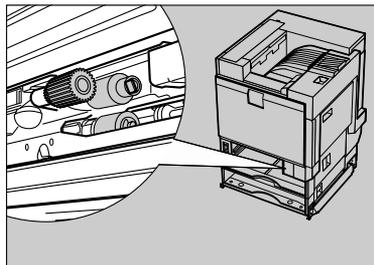


ZERH010E

Note

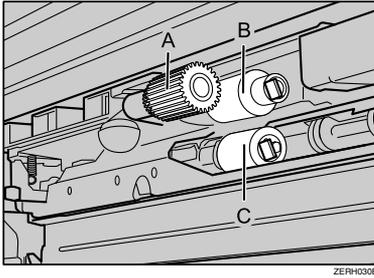
- If you are replacing the paper feed rollers of the optional paper feed unit, or 2000-sheet Large Capacity Tray, pull out all paper trays from each unit.

4 Check the position of the paper feed rollers.

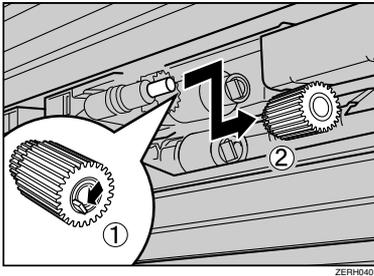


AGY242S

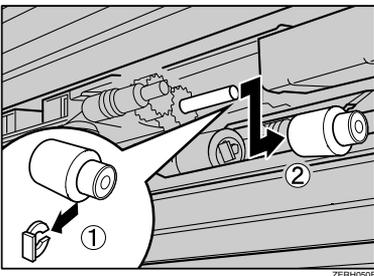
Confirm the positions and names of each roller.



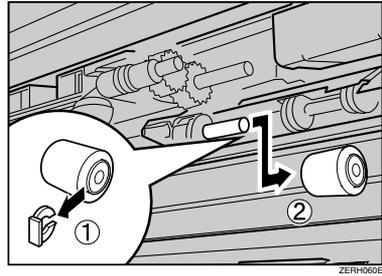
- 5** While pushing the pin of the paper feed roller A outwards (①), remove the paper feed roller (②).



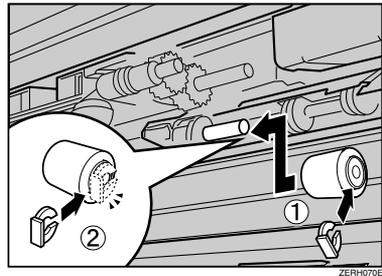
- 6** Remove the stopper from the paper feed roller B (①), and then remove the roller (②).



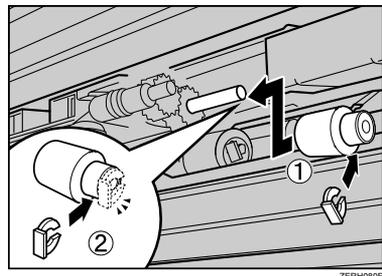
- 7** Remove the stopper from the paper feed roller C (①), and then remove the roller (②).



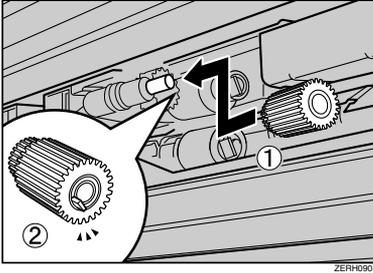
- 8** Hold the new paper feed roller C with its gear towards the shaft. Insert it into the rear shaft so that the roller gear interlocks with the shaft gear (①). Lock the roller with the stopper (②).



- 9** Hold the new paper feed roller B with its gear towards the shaft. Insert it into the rear shaft so that the roller gear interlocks with the shaft gear (①). Lock the roller with the stopper (②).



- 10** Hold the new paper feed roller A with its pin towards you (①). Insert the roller onto the front shaft until it clicks into place (②).



- 11** Slowly slide all trays back into the printer until they stop.

Note

- If you are replacing the paper feed rollers of the optional 2000-sheet Large Capacity Tray, load the stocks removed in step **2** into the tray.

3. Cleaning

Cautions to Take When Cleaning

WARNING:

- *Do not remove any covers or screws other than those specified in this manual. Some parts of the machine are at a high voltage and could give you an electric shock. Also, if the machine has laser systems, direct (or indirect) reflected eye contact with the laser beam may cause serious eye damage. When the machine needs to be checked, adjusted, or repaired, contact your service representative.*
- *Do not take apart or attempt any modifications to this machine. There is a risk of fire, electric shock, explosion or loss of sight. If the machine has laser systems, there is a risk of serious eye damage.*

CAUTION:

- *When removing misfed paper, do not touch the fusing section because it could be very hot.*

Clean the printer periodically to maintain print clarity.

Dry wipe the exterior using a soft cloth. If dry wiping is not enough, wipe using a soft, wet cloth that is well wrung out. If you still cannot remove the stain or grime, use a neutral detergent, then wipe over with a well wrung wet cloth, dry wipe, and let it dry.

Important

- To avoid deformation, discoloration, or cracking, do not use volatile chemicals, such as benzine and thinner, or spray insecticide on the printer.
- If there is dust or grime inside the printer, wipe it away using a clean, dry cloth.

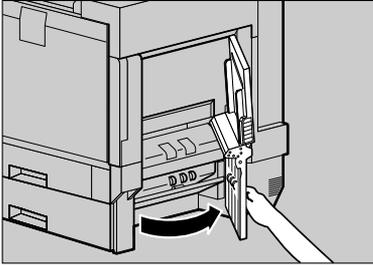
Cleaning the Registration Roller

⚠ CAUTION:

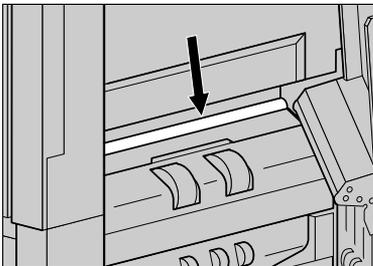
- *The inside of the printer becomes very hot. To avoid burns, do not touch parts labelled "hot surface", otherwise it could cause a burn.*

Clean the roller when replacing the black development unit.

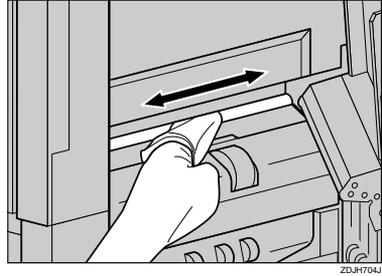
- 1** Turn off the power, and then unplug the power cable.
- 2** Open the right cover as shown.



The registration roller is set as shown.



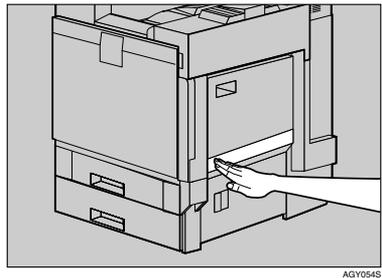
- 3** Wipe around the registration roller by turning it and applying a soft damp cloth.



⚠ Important

- Do not use chemical cleaners or organic solvents such as thinners or benzene.

- 4** Close the right cover by pushing the area labeled "PUSH".

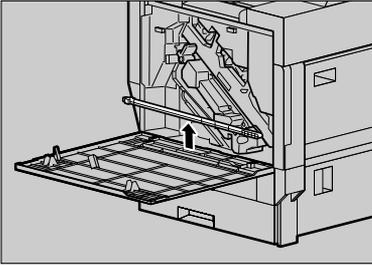


- 5** Plug in the power cable, and then turn on the power.

Cleaning the DustProof Glass

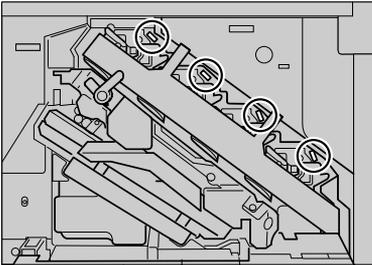
The dustproof glass may require cleaning if white lines appear on print.

- 1** Turn off the power, and then unplug the power cable.
- 2** Open the front cover, and then remove the cleaning brush.



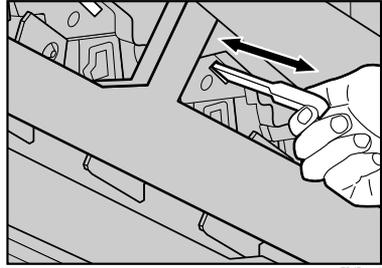
AGY084S

There are four holes for cleaning the dustproof glass.



AGY085S

- 3** Slide the cleaning brush in and out slowly 8 to 10 times to clean all four areas.



ZDJJP707J

Important

- Do not insert the brush roughly. Doing so may damage the printer.

- 4** Return the cleaning brush to its original position.
- 5** Plug in the power cable, and then turn on the power.

Checking the Earth Leakage Breaker

This printer has an earth leakage breaker to prevent electric shock. Normally, the earth leakage breaker will be at the “-” position.

Check the earth leakage breaker at least once a year using the following procedure.

3

⚠ CAUTION:

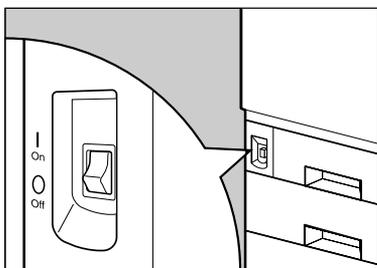
- *If the earth leakage breaker has tripped, contact your sales or service representative. Do not reset earth leakage breaker yourself as you may get an electric shock, the printer may catch fire, or the building earth leakage breaker may trip.*

⚡ Important

- ❑ If the earth leakage breaker fails to trip when tested, contact your sales or service representative.

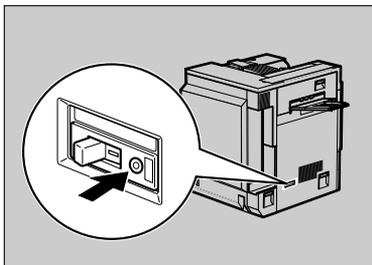
1 Make sure the printer's ground is properly connected.

2 Turn off the power.

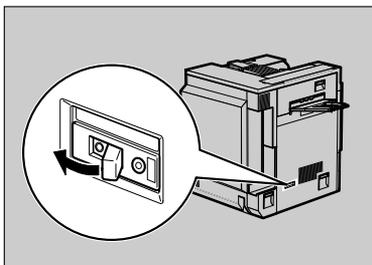


If the 2 tray finisher or the booklet finisher is attached to the printer, detach it before checking the earth leakage breaker.

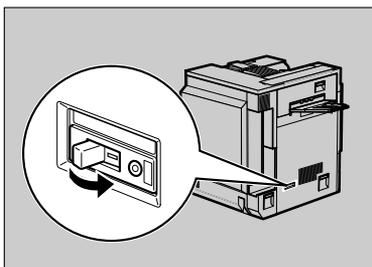
3 Press the earth leakage breaker's test button with a point of an object such as a ballpoint.



4 Make sure the earth leakage breaker trips.



5 Reset the earth leakage breaker by moving it to the “-” position.



6 Turn on the power.

 **Note**

- If the printer does not start up when the main power is switched on, check whether the earth leakage breaker has tripped. If it has, contact your sales or service representative. Do not reset the earth leakage breaker yourself.

4. Adjusting the Printer

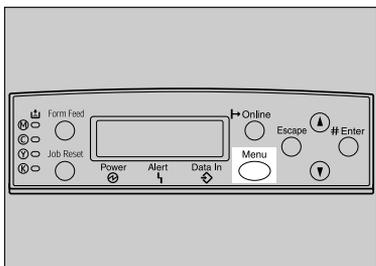
Adjusting the Color Registration

After moving the printer, printing on thick paper, or printing repeatedly for some time, color degradation may occur. By performing color registration adjustment, you can restore optimum print quality.

Auto Adjust

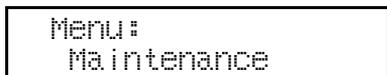
If documents show color degradation after the printer is moved, perform automatic color adjustment.

- 1 Press the [Menu] key.



The [Menu] screen appears on the display.

- 2 Press the [▲] or [▼] key to display "Maintenance", and then press the [# Enter] key.



The maintenance menu appears.

- 3 Press the [▲] or [▼] key to display "Color Regist.", and then press the [# Enter] key.

- 4 Check "Auto Adjust" appears, and then press the [# Enter] key.

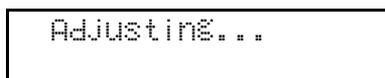
- 5 Check "Now" appears, and then press the [# Enter] key.

The check message appears.



- 6 Press the [# Enter] key.

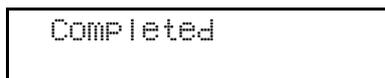
Automatic color adjustment begins, and the following message appears.



Important

- To avoid malfunction, do not turn off the power while "Adjusting..." appears on the display.

Automatic color adjustment takes about 50 seconds. A confirmation message appears when complete.



Return to the color adjustment menu.

- 7 When you have made all settings, press the [Online] key.

The initial screen appears.

Adjusting the Fuser for Thick Paper

If color registration shifts when using thick paper

If color registration shifts when using thick paper, adjust the fuser for thick paper.

Note

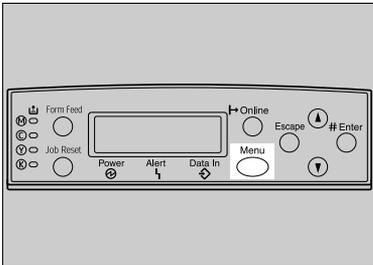
- Fuser adjustment for thick paper is not possible if the toner has almost run out. Carry out this adjustment after changing the toner cartridge.
- Thick paper is needed to make the adjustment. Use the thick paper you normally use.

1 Load thick paper larger than A4 in the bypass tray.

Note

- For details about paper sizes the bypass tray can handle and paper loading procedure, see p.3 "Paper and Other Media Supported by This Printer".

2 Press the [Menu] key.



The [Menu] screen appears on the display.

3 Press the [▲] or [▼] key to display "Maintenance", and then press the [# Enter] key.



The maintenance menu appears.

4 Press the [▲] or [▼] key to display "Color Regist.", and then press the [# Enter] key.

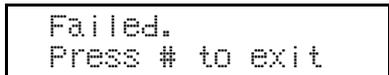
5 Press the [▲] or [▼] key to display "Fuser Adjust", and then press the [# Enter] key.

6 Check "Thick Paper" appears, and then press the [# Enter] key.

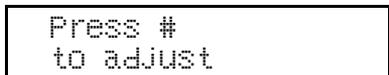


Limitation

- If the toner cartridge is almost empty, the following message appears on the display: (After changing the toner cartridge, carry out fuser adjustment for thick paper. For details about changing the toner cartridge, see p.34 "Replacing the Toner Cartridge".)



7 Check the following message appears, and then press the [# Enter] key.



- 8** Press the [# Enter] key.

```
Adjusting...
```

- 9** When automatic color adjustment is complete, the confirmation message about printing a test sheet appears. Wait for the following message to appear, and then click the [# Enter] key.

```
Press # for Test
Print (Bypass)
```

- 10** The following message appears:

```
Set Sheet, then#
A4 (297 x 210)
```

Make sure the paper size set in step **8** appears, and then press the [# Enter] key.

The Fuser Adjust Sheet is printed. For test sheet samples, see p.64 "Test Sheet Samples".

 **Note**

- In this example, thick A4 paper is loaded in the bypass tray.

- 11** Compare the color adjustment sheet sample with the framed white part of the printed pattern. If sample and printed pattern are almost the same, select "0". Otherwise, select one of the following values according to the position of the color in the sample:

Color at center: 0

Color shifted to left: -1

Color shifted to right: +1

```
Select Action:
0: Exit
```

```
Select Action:
-1: Re-adjust
```

```
Select Action:
+1: Re-adjust
```

When you select "0", the printer returns to the previous menu.

If you select "-1" or "+1", the printer returns to step **9**. Keep adjusting until you can select "0".

- 12** Press the [Online] key.

The initial screen appears.

Test Sheet Samples

The following illustration is an example of a test sheet printed during fuser adjustment for thick paper

❖ **Fuser Adjust Sheet**

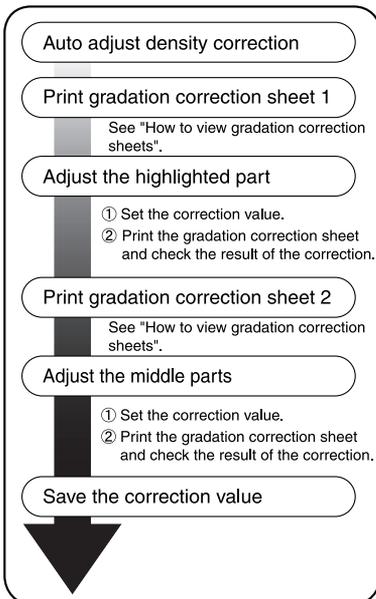


Correcting the Color Gradation

Color gradation during color printing varies slightly depending on a number of factors. If you print the same file repeatedly or toner was recently replaced, changes may occur in color tones. When this happens, to obtain suitable print results, color gradation can be corrected, although it is not usually necessary to make any particular settings.

Note

- ❑ If suitable results cannot be obtained after a single operation, repeat the correction several times, as needed.
- ❑ Corrections to color gradation will be applied to all user jobs.
- ❑ Use the same paper when printing a run of gradation corrections. If a different type of paper is used, corrections may not be apparent.
- ❑ This requires the use of the supplied Color Calibration Sample Sheet.
- ❑ Corrections to color gradation are performed in the following order.

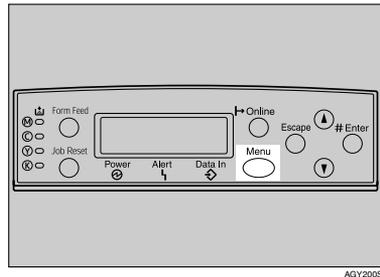


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Set the Gradation Correction Value

During printing, you can correct the gradation in two areas: the bright part (highlighted) and the medium part (middle). The correction value for the highlighted and the middle parts are set using “Calibr.1” and “Calibr.2” respectively.

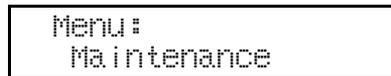
- 1 Press the [Menu] key.



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The [Menu] screen appears on the display.

- 2 Press the [▲] or [▼] key to display “Maintenance”, and then press the [# Enter] key.



The maintenance menu appears.

- 3 Press the [▲] or [▼] key to display “Color Calibrate”, and then press the [# Enter] key.

Note

- ❑ If you want to perform only calibration 2, proceed to step 4.
- 4 Check “Adj.Auto Dens.” is displayed, and then press the [# Enter] key.

- 5** Check “Now” is displayed, and then press the [# Enter] key.

The check message appears.

```
Press #
to adjust
```

- 6** Press the [# Enter] key.

Automatic density adjustment begins, and the following message appears.

```
Adjusting...
```

Important

- To avoid malfunction, do not turn off the power while “Adjusting...” appears on the display.

A confirmation message appears when complete.

```
Completed
```

Return to the color calibrate menu.

- 7** Press the [▲] or [▼] key to display “Start Calibr. 1”, and then press the [# Enter] key.

- 8** Check “Yes” is displayed, and then press the [# Enter] key to print gradation correction sheet 1.

- 9** Set the gradation correction value of the highlighted part using correction 1. For setting K (black) gradation, hold the correction value (0-6) for “K” of the correction value setting sheet 1 over the color sample (K) for gradation correction 1 of the Color Calibration Sample Sheet, and set the numerical value of the closest color using either the [▲] or [▼] key.

Set the correction value using the supplied Color Calibration Sample Sheet and the gradation correction sheet 1 printed in the previous step.

Set M (magenta), C (cyan), and Y (yellow) using the same method.

```
Calibrate 1:
K:3 M:3 C/Y:3/3
```

Note

- Each time the [▲] or [▼] key is pressed, the value increases or decreases respectively, in increments of 1.
- The correction value can be set between 0 and 6.

- 10** Press the [# Enter] key after setting the K (black) gradation. The cursor shifts to M (magenta).

```
Calibrate 1:
K:2 M:3 C/Y:3/3
```

- 11** Set the gradation correction values for M (magenta), C (cyan), and Y (yellow) using the same procedure as for the K (black).

- 12** If you finished all settings, ensure that the cursor is on the correction value for Y (yellow), and then press the [# Enter] key.

```
Calibrate 1:
K:2 M:2 C/Y:2/2
```

The example shows the display of the control panel when the correction value for each color is changed to 2.

13 Check “Yes” is displayed, and press the [# Enter] key to print the correction result.

14 Check gradation correction sheet 1. To save the correction values, check “Save and exit” is displayed and press the [# Enter] key. If you do not want to save the correction values after this procedure, press the [▲] or [▼] key to display “Exit don’t save”, and then press the [# Enter] key.

 **Note**

- If you complete this procedure without saving the correction values, the changes will not be applied to subsequent print jobs.

```
Calibrate 1:
Save and exit
```

```
Calibrate 1:
Exit don't save
```

This concludes the setting for correction 1. Next, proceed to correction 2.

15 Press the [▼] key to display “Start Calibr. 2”, and then press the [# Enter] key.

```
Color Calibrate:
Start Calibr. 2
```

16 Check “Yes” is displayed, and then press the [# Enter] key to print gradation correction sheet 2.

```
Print Sheet 2?:
Yes
```

17 Perform the same operations as in step **1** and set the gradation correction value of the middle part using calibration 2.

18 After completing all settings, press the [Online] key.

The initial screen appears.

 **Note**

- Displays on the screen are just examples.

Viewing the Color Calibration Sample Sheet and Gradation Correction Sheet

The color gradation correction value setting sheet contains two color sample columns: the "Sample 1" column for setting the highlight part and the "Sample 2" column for setting the middle part.

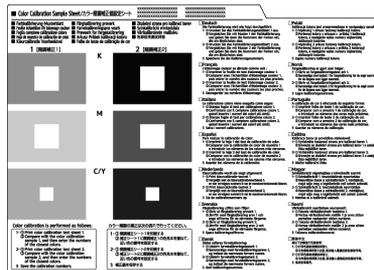
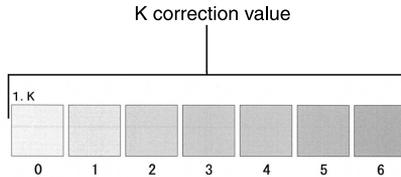
Similarly, there are two gradation correction sheets: "Gradation correction sheet 1" for setting the highlight part and "Gradation correction sheet 2" for setting the middle part. Gradation correction sheet 1 is used for calibration 1, while Gradation correction sheet 2 is used for calibration 2.

❖ Color sample and correction values

The following explains how to use the color sample of the Color Calibration Sample Sheet and the correction values of the gradation correction sheet. This explanation uses K (black) as an example. The setting method for M (magenta) is similar. For C/Y (cyan/yellow), the correction value is determined based on combinations of these two colors, although settings are made for each color.

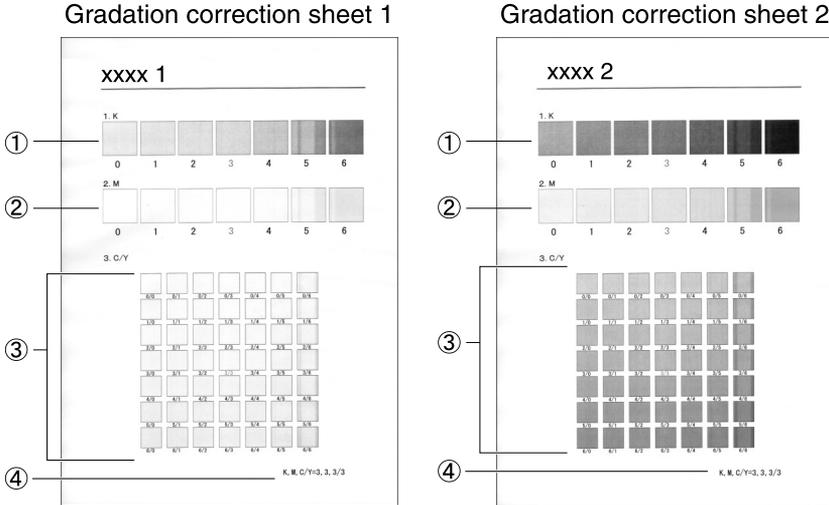
Note

- ❑ Compare the K correction value (0-6) of gradation correction sheet 1 with the K color sample of the Color Calibration Sample Sheet. Determine the color that matches the color sample the closest, and then set the correction value of that color using the control panel. The currently set correction value is printed in red.

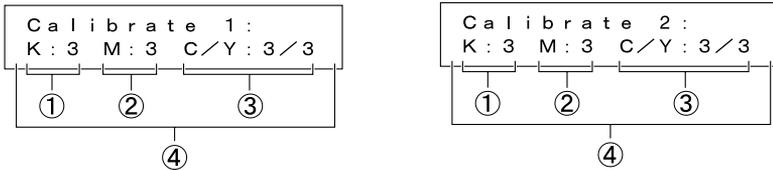


❖ Relationship between the gradation correction sheets and the display

The printed gradation correction sheet and display correspond as shown in the following diagram. The gradation correction sheets are used to determine the correction values for the colors K (black), M (magenta), C (cyan), and Y (yellow). These values are set using the control panel.



Panel display (correction value setting screen)



Note

❑ XXXX represents the printer model name.

① K (black) correction values

Use to adjust the color printed when only black toner is used. The currently set correction value is printed in red.

② M (magenta) correction values

Use to adjust the color printed when only magenta toner is used. The currently set correction value is printed in red.

③ C (cyan)/Y (yellow) correction values

Use to adjust the color printed when cyan and yellow toner are used. For C/Y (cyan/yellow), the correction values are determined based on a combination of these two colors, although settings are made separately for each color.

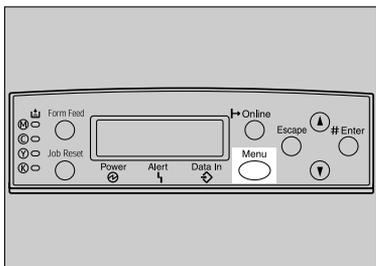
④ K, M, C/Y

The numerical values set at time of gradation correction sheet printing are shown. These correspond to the numerical values set using the control panel.

Resetting the gradation correction values to the initial values

Reset the correction value default.

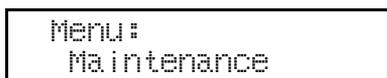
- 1 Press the [Menu] key.



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The [Menu] screen appears on the display.

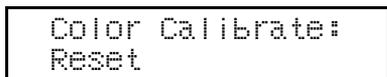
- 2 Press the [▲] or [▼] key to display "Maintenance", and then press the [# Enter] key.



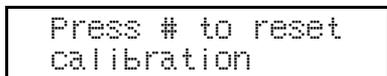
The maintenance menu appears.

- 3 Press the [▲] or [▼] key to display "Color Calibrate", and then press the [# Enter] key.

- 4 Press the [▲] or [▼] key to display "Reset", and then press the [# Enter] key.

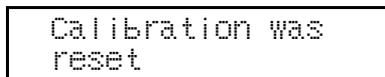


A confirmation message appears.



- 5 Press the [# Enter] key.

A message indicating the gradation correction values have returned to their default appears.



After about 2 seconds, the display returns to the "Color Calibrate: Reset" menu.

- 6 Press the [Online] key.

The initial screen appears.

Adjusting Image Density

Adjust image density when print becomes hazy gray or the image looks patchy.

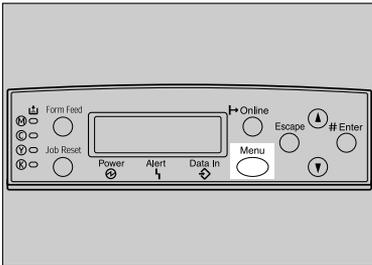
Important

- Extreme settings may cause output to appear dirty.
- Image density settings should be made from the application or the printer driver, whenever possible.

Note

- Changing image density settings might cause deterioration in color balance. We recommend leaving image density at the factory default setting.

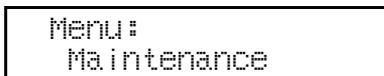
- 1** Press the [Menu] key.



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The [Menu] screen appears on the display.

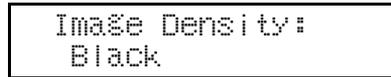
- 2** Press the [▲] or [▼] key to display "Maintenance", and then press the [# Enter] key.



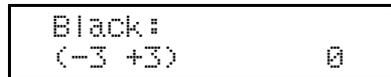
The maintenance menu appears.

- 3** Press the [▲] or [▼] key to display "Image Density", and then press the [# Enter] key.

- 4** Press the [▲] or [▼] key to select the color you want to adjust, and then press the [# Enter] key.



- 5** Press the [▲] or [▼] key to set the image density value, and then press the [# Enter] key.



Note

- You can adjust image density in seven increments, from -3 to +3. Increasing the value makes printout darker; decreasing the value makes printout lighter.

To adjust another color, repeat steps **4** and **5**.

- 6** Press the [Online] key.

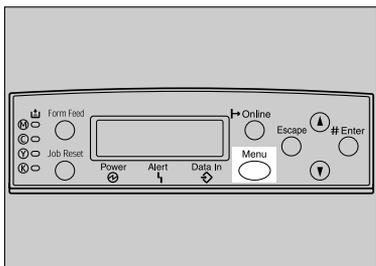
The initial screen appears.

Adjusting Tray Registration

You can adjust the registration of each tray. The vertical adjustment is used for all trays. Normally, you need not update the registration. But when the optional paper feed unit or the duplex unit is installed, updating is useful in some cases. The following procedure describes how to adjust tray 3. The same procedure applies to other trays as well.

4

- 1 Press the **[Menu]** key.



AGY2005

The **[Menu]** screen appears on the display.

- 2 Press the **[▲]** or **[▼]** key to display "Maintenance", and then press the **[# Enter]** key.



The maintenance menu appears.

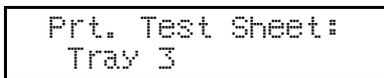
- 3 Press the **[▲]** or **[▼]** key to display "Registration", and then press the **[# Enter]** key.

The registration menu appears.

- 4 Print the test sheet to preview the settings. Confirm that "Prt. Test Sheet" is displayed, and then press the **[# Enter]** key.

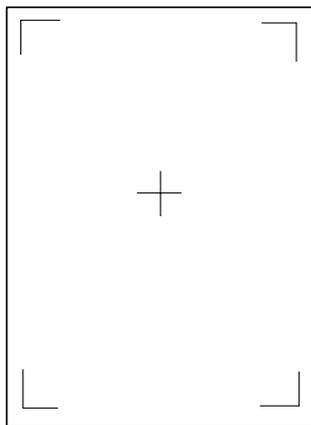
A screen prompting you to select the tray to be adjusted appears.

- 5 Press the **[▲]** or **[▼]** key to select the tray to adjust, and then press the **[# Enter]** key.



The test sheet prints out. The display returns to the registration menu. Press the **[Escape]** key.

- 6 Confirm the position of the image on the test sheet, and then adjust the registration value.



In this setting, adjust the margins of the test sheet so that they are equal in size.

- 7 Press the **[Escape]** key.
- 8 Press the **[▲]** or **[▼]** key to display "Adjustment", and then press the **[# Enter]** key.

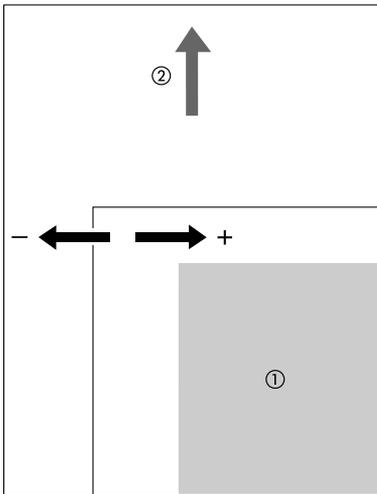
- 9 Press the [▲] or [▼] key to display the parameter to be adjusted, and then press the [# Enter] key.

```
Adjustment:
Vert.: Tray 3
```

- 10 Press the [▲] or [▼] key to set the registration value (mm).

```
Vert.: Tray 3:
(-5.0 +5.0) 0.0
```

Increase the value to shift the print area in the positive direction, and decrease to shift in the negative direction.



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- ① : Print Area
② : Feed Direction

 **Note**

- Pressing the [▲] or [▼] key makes the value increase or decrease by 1.0 mm steps.

- 11 Press the [# Enter] key.

The display returns to the print area "Adjustment" menu.

```
Registration:
Adjustment
```

- 12 Print the test sheet to confirm the adjustment result.

- 13 Press the [Online] key.

The initial screen appears.

5. Troubleshooting

Error & Status Messages on the Control Panel

This section explains what the messages that appear on the control panel mean and what to do when a particular message appears.

❖ Messages (in alphabetical order)

| Messages / Second messages | Description | Solution |
|---|--|---|
| Add Staples | The stapler is out of staples. Job is not stapled. | Replace staples. See p.102 "Adding Staples". |
| Add Toner XXX/XXX | The printer is out of the indicated toner(s). XXX: Yellow/Magenta/Cyan/Black | Replace the toner cartridge of the indicated color(s). See p.34 "Replacing the Toner Cartridge". |
| Add Toner Cyan | The printer is out of toner (C). | Replace the toner cartridge (C). See p.34 "Replacing the Toner Cartridge". |
| Add Toner Magenta | The printer is out of toner (M). | Replace the toner cartridge (M). See p.34 "Replacing the Toner Cartridge". |
| Add Toner Yellow | The printer is out of toner (Y). | Replace the toner cartridge (Y). See p.34 "Replacing the Toner Cartridge". |
| Calibrating... | The printer is calibrating the color. | Wait a while. |
| Call Service: EC Power Off On / Call Service if error reoccurs | A communication error sent from the engine to the controller. | A communication error sent from the engine to the controller. |
| Cannot check Signal in Ad hoc | An attempt to check the radio signal was made while the communication mode was set to [Ad hoc] in the interface settings. | To check the radio signal, select Infrastructure in the communication mode settings. |
| Certificate auto renewal failed | Renewal of the certificate automatically has failed. | Turn the power off, and then on. If the message appears again, contact your sales or service representative. |
| Change Setting Tray # / Paper Size: Paper Type: | The paper size and type setting in the tray differs from that of actual paper size and type in the tray. #: tray number | Load paper of the selected size in the tray, and then change the paper size setting with the control panel. Or, press the [Form Feed] key, and then select the tray using the control panel. Or, press the [Job Reset] key to cancel the print job. |

| Messages / Second messages | Description | Solution |
|----------------------------------|--|--|
| Check Toner Crtg XXX/XXX | The indicated toner cartridge is not set correctly. XXX: Yellow /Magenta/Cyan/ Black | Set the indicated toner cartridge(s) correctly. See p.34 "Replacing the Toner Cartridge". |
| Close Front Cover | The front cover is open. | Close the front cover for the printer. |
| Close Right Cover | The right cover is open. | Close the right cover. |
| Close Duplex Unit Cover | The cover for the duplex unit is open. | Close the cover for the duplex unit. |
| Close Finisher Front Cover | The front cover for the finisher is open. | Close the front cover for the finisher. |
| Close Finisher Upper Cover | The finisher upper cover is open. | Close the upper cover for the finisher. |
| | The paper entrance cover for the finisher is open. | Close the upper entrance cover for the finisher. |
| Close Lower Right Cover | The right cover for the paper feed table/Large Capacity Tray is open. | Close the right cover for the paper feed table/Large Capacity Tray. |
| Close Upper Left Cover | The upper left cover (the cover for the fusing unit) is open. | Close the upper left cover. |
| Close Upper Right Cover | The upper right cover (the cover for the toner cartridge) is open. | Close the upper right cover. |
| DHCP assigned Cannot change | An attempt to change the IP address, subnet mask or gateway address was made while DHCP was set to [On] . | Make the change after setting DHCP to [Off] . |
| Empty Punch Receptacle | The Punch Chips container is full of punch chips. | Empty the punch waste box. See p.105 "Removing Punch-hole Chips". |
| | | If the message appears the punch waste box is not full, remove the Punch-hole chips on the top of the punch waste box. See p.105 "Removing Punch-hole Chips". |
| Energy Save Mode | In Energy Save Mode level 2. | No action required. |
| Error: Enter 10 or 26 characters | An ID with an invalid number of digits was entered for the WEP key. | Enter the correct number of digits for the WEP key. |
| Error: Enter 5 or 13 characters | An ID with an invalid number of digits was entered for the WEP key. | Enter the correct number of digits for the WEP key. |

| Messages / Second messages | Description | Solution |
|---|---|--|
| Error: Tray # or Form Feed / or Job Reset then Power OffOn | The printer identified the failure of the indicated paper tray. The job is not printed. #: tray number | Apply Form Feed from another tray or cancel the job, and then switch your printer Off, then back On. If the error continues, contact your sales or service representative. |
| Exceeded Max. Pages (Collate) | The printer identified a collation page overflow error. | Add extra RAM. Install the optional hard disk drive. |
| Exceeded Max. Stored Files | The maximum number of stored files has been exceeded during Sample Print of Locked Print. | Delete stored files. |
| Exceeded Max. Stored Pages | The maximum number of pages has been exceeded during Sample Print of Locked Print. | Reduce the number of pages to print. |
| Hardware Problem Ethernet | The printer identified an Ethernet error. | Turn the power off, and then on. If the message appears again, contact your sales or service representative. |
| Hardware Problem Finisher | There is a problem with the finisher. | Turn the power off, and then on. Remove and re-install the finisher correctly. If the message appears again, contact your sales or service representative. See p.32 "Detaching and Reattaching the Options". |
| Hardware Problem HDD | The printer identified a HDD Board error. | Turn the power off, and then on. Remove and re-install the HDD board correctly. If the message appears again, contact your sales or service representative. See "Attaching Printer Hard Disk Type 7100", Setup Guide. |

| Messages / Second messages | Description | Solution |
|----------------------------------|--|---|
| Hardware Problem IEEE1394 | The printer identified an IEEE 1394 interface board error. | <p>Turn the power off, and then on. Remove and re-install the IEEE 1394 interface board correctly.</p> <ol style="list-style-type: none"> ① Check the IEEE 1394 interface board is correctly attached to the computer. ② Check the IEEE 1394 interface cable is securely connected. ③ Unplug the IEEE 1394 interface cable which is connected to the printer. ④ Restart the computer. If the message appears even after executing above operation, proceed to the following steps. ⑤ Execute the utility tool for IEEE 1394 interface board that is stored in the following path in the CD-ROM labeled "Printer Drivers and Utilities": UTILITY\1394 <p>Important</p> <p><input type="checkbox"/> For details about using the utility tool for IEEE 1394, see the RE-ADME file in the same directory in the CD-ROM. If the message appears again, contact your sales or service representative.</p> <p>See "Attaching IEEE 1394 Interface Board Type B", Setup Guide.</p> |
| Hardware Problem Option RAM | The printer identified an optional RAM error. | <p>Turn the power off, and then on. Remove and re-install the optional RAM. If the message appears again, contact your sales or service representative.</p> <p>See "Attaching Memory Unit Type C (SDRAM Module)", Setup Guide.</p> |
| Hardware Problem Parallel I/F | There is a problem with the parallel interface. | <p>If you use the parallel I/F, replace the interface cable that caused the error. Turn the power off, and then on. If the message appears again, contact your sales or service representative.</p> <p>See "Attaching IEEE 1284 Interface Board Type A", Setup Guide.</p> |
| Hardware Problem Printer font | Problems with the font file for the Printer module. | <p>It is necessary to replace the print module.</p> |

| Messages / Second messages | Description | Solution |
|------------------------------------|--|--|
| Hardware Problem Staple Unit | There is a misfeed in the finisher or a problem with the staple unit. | Remove misfed paper. Turn the power off, and then on. If the message appears again, contact your sales or service representative. See p.99 "Removing Jammed Staples". See p.111 "When "Remove Misfeed R:Finisher " Appears". |
| Hardware Problem Tray # | There is a problem with the paper lift motor of Tray #. #: tray number | Turn the power off, and then on. If the message appears again, contact your sales or service representative. |
| Hardware Problem Wireless Board | An error was detected in the IEEE 802.11b interface unit or the Bluetooth interface unit. | Turn the power off, and then on. Remove and re-install the IEEE 802.11b interface unit or the Bluetooth interface unit correctly. If the message appears again, contact your sales or service representative. See "Attaching IEEE 802.11b Interface Unit Type H" or "Attaching Bluetooth Interface Unit Type 3245", Setup Guide. |
| Hardware Problem Wireless Card | The IEEE 802.11b interface unit or the Bluetooth interface unit could not be detected when the power was turned on. The IEEE 802.11b interface card or the Bluetooth interface card was removed after the power was turned on. An error was detected in the IEEE 802.11b interface card or the Bluetooth interface card. | Turn the power off, and then on. Remove and re-install the IEEE 802.11b interface unit or the Bluetooth interface unit correctly. If the message appears again, contact your sales or service representative. See "Attaching IEEE 802.11b Interface Unit Type H" or "Attaching Bluetooth Interface Unit Type 3245", Setup Guide. |
| Hardware Problem USB | There is a problem related to the Universal Serial Bus Connection and Hardware. | Turn the power off, and then on. If the message appears again, contact your sales or service representative. |
| HDD Full | The maximum HDD area size for form/font has been exceeded. | Delete disused form/font types. |
| | An HDD overflow error occurred during Sample Print or Locked Print. | Delete stored files, or reduce the size of the Sample Print file or Locked Print file. |
| HDD not Installed | The user tried to print the Locked Print data without the HDD installed. | If you use the Locked Print feature, be sure you install HDD. If the error continues, contact your sales or service representative. |
| Hex Dump Mode | In Hex Dump Mode. | No action required. |
| Irregular Toner | Irregular toner is set. | Replace the toner to appropriate one. |

| Messages / Second messages | Description | Solution |
|--|---|--|
| Invalid Data Power Off On | The printer has received irregular data. | Turn the power off, and then on. If the message appears again, contact your sales or service representative. |
| Invalid Password Try again | The password entered using the control panel is not correct. | Enter the correct password using the control panel. |
| Load Paper:Tray # or Form Feed | The indicated tray is out of paper. #: tray number | Load paper into the indicated paper tray. |
| | <ul style="list-style-type: none"> ① The printer received a request for a paper type, or paper size not supported by printer, and Tray Locking is not applicable. ② The paper type and size loaded in the tray which the printer searched using Tray Locking is invalid for Duplex Print. | Change the setting of the indicated paper input tray, or press the [Job Reset] key. Form Feed is not possible here. |
| Loading Toner... | The printer is loading toner. | Wait a while. |
| Menu Protected Cannot change | The menu is protected and the setting cannot be changed. | Wait for two seconds until the previous display appears. |
| No Files exist | There are no files available for Sample Print job or Locked Print job. | Wait for two seconds until the previous display appears. |
| Offline | The printer is offline and cannot print data. | Press the [Online] key. |
| Please wait | The printer is initializing the development unit. | Wait a while. |
| Processing... | Print data is being processed. | Wait a while. |
| Proxy User Name/ Password error | Proxy user name and/or password are incorrect. | Change current user and password to the correct user name and password. |
| Proxy setting or connection error | Proxy address port number is invalid. Proxy is not active or not set. | Check the proxy settings. |
| RC Gate connection error | Cannot communicate with RC Gate. | Check the device or the RC Gate network connection. |
| Ready | The default ready message. The printer is ready to use. | No action required. |
| Remove Misfeed A:Internal Path / See Instructions in Front Cover | There is a misfeed in the printer. | Remove the misfeed paper following the instructions inside the front cover. See p.108 "When "Remove Misfeed A:Internal Path" Appears". |

| Messages / Second messages | Description | Solution |
|--|--|---|
| Remove Misfeed B:Fusing Unit / See Instructions in Front Cover | There is a misfeed in the fusing unit. | Remove the misfed paper following the instructions inside the front cover. See p.109 "When "Remove Misfeed B:Fusing Unit" Appears". |
| Remove Misfeed R:Finisher / Open Finisher Cover | There is a misfeed in the finisher. | Open the finisher cover and remove the misfed paper. See p.111 "When "Remove Misfeed R:Finisher " Appears". |
| Remove Misfeed Y:Paper Tray / See Instructions in Front Cover | There is a misfeed in the specified input tray, or the printer is not feeding paper. | Remove the misfed paper following the instructions inside the front cover. See p.115 "When "Remove Misfeed Y:Paper Tray" Appears". |
| Remove Misfeed Z1:Duplex Unit / See Instructions in Front Cover | There is a misfeed in the duplex unit. | Remove the misfed paper following the instructions inside the front cover. See p.116 "When "Remove Misfeed Z1:Duplex Unit" Appears". |
| Remove Misfeed Z2:Dup.Feed Unit / Open Front Cover | There is a misfeed in the duplex feed unit. | Remove the misfed paper. See p.117 "When "Remove Misfeed Z2:Dup.Feed Unit" Appears". |
| Remove Paper All Output Trays | All output trays are full. | Remove paper from all output trays. |
| Remove Paper Finisher Tray # | The indicated finisher shift tray is full. #: finisher shift tray number | Remove the paper from the indicated finisher shift tray. |
| Remove Paper inside Finisher | There is still paper in the finisher. | Open the cover for the finisher and remove paper. See p.111 "When "Remove Misfeed R:Finisher " Appears". |
| Remove Paper Standard Tray | The standard output tray is full. | Remove the paper from the standard output tray. |
| Renewing Certificate... | Renewing | Wait a while. |
| Replace Black Dev. Unit(TypeD) | It is time to replace the black development unit. | Replace the black development unit. Depending on your service contract, contact your sales or service representative. See p.41 "Replacing the Development Unit". |

| Messages / Second messages | Description | Solution |
|--------------------------------|---|---|
| Replace Black Develop soon (D) | The time to replace the black development unit is soon. | Prepare to replace the color PCU when the message "Replace Black Dev. Unit(TypeD)" appears on the display. |
| Replace Black PCU (Type F) | It is time to replace the black PCU. | Replace the black PCU. Depending on your service contract, contact your sales or service representative. See p.37 "Replacing the Photoconductor Unit". |
| Replace Black PCU soon (F) | The time to replace the black PCU is soon. | Prepare to replace the color PCU when the message "Replace Black PCU (Type F)" appears on the display. |
| Replace Color Dev. Unit(TypeB) | It is time to replace the color development unit. | Replace the color development unit. Depending on your service contract, contact your sales or service representative. See p.41 "Replacing the Development Unit". |
| Replace Color Develop soon (B) | The time to replace the color development unit is soon. | Prepare to replace the color PCU when the message "Replace Color Dev. Unit(TypeB)" appears on the display. |
| Replace Color PCU (Type A) | It is time to replace the color PCU. | Replace the color PCU. Depending on your service contract, contact your sales or service representative. See p.37 "Replacing the Photoconductor Unit". |
| Replace Color PCU soon (A) | The time to replace the color PCU is soon. | Prepare to replace the color PCU when the message "Replace Color PCU (Type A)" appears on the display. |
| Replace Feed Roller (Type H) | It is time to replace the feed roller (Type H). | Replace the feed rollers. Depending on your service contract, contact your sales or service representative. See p.52 "Replacing the Paper Feed Roller" |
| Replace Fusing Unit (TypeC) | It is time to replace the fusing unit. | Replace the fusing unit. Depending on your service contract, contact your sales or service representative. See p.45 "Replacing the Fusing Unit". |
| Replace Fusing Unit soon (C) | The time to replace the fusing unit is soon. | Prepare to replace the fusing unit when the message "Replace Fusing Unit (TypeC)" appears on the display. |

| Messages / Second messages | Description | Solution |
|--|--|--|
| Replace Transfer Belt | It is time to replace the transfer belt. | Replace the transfer belt. Depending on your service contract, contact your sales or service representative. |
| Replace Waste Toner (Type E) | It is time to replace the waste toner. | Replace the waste toner bottle. Depending on your service contract, contact your sales or service representative. See p.50 "Replacing the Waste Toner Bottle". |
| Reset Develop. Unit correctly XXX/XXX | The indicated development unit(s) is/are not set correctly, or not set. XXX: Yellow/Magenta/Cyan/Black | Set the indicated development unit(s) correctly. See p.41 "Replacing the Development Unit". |
| Reset Duplex Unit correctly | The duplex paper feed unit is not set correctly or not set. | Remove and re-install the duplex paper feed unit. If the error continues, contact your sales or service representative. See "Attaching Duplex Unit Type 7100", Setup Guide. |
| Reset Finisher correctly | The finisher is not set correctly, or not set. | Turn the power off, and then on. Remove and re-install the finisher correctly. If the message appears again, contact your sales or service representative. See p.32 "Detaching and Reattaching the Options". |
| Reset Fusing Unit correctly | There is no fusing unit, or the fusing unit is not installed correctly. | Set the fusing unit correctly. See p.45 "Replacing the Fusing Unit". |
| Reset PCU correctly XXX/XXX | The indicated photoconductor unit(s) is/are not set correctly, or not set. XXX: Yellow/Magenta/Cyan/Black | Set the indicated photoconductor unit(s) correctly. See p.37 "Replacing the Photoconductor Unit". |
| Reset the Job or Form Feed / Paper Size: Paper Type: | The paper size and type setting in the tray differs from that of actual paper size and type in the tray. | Load paper of the selected size in the tray, and then change the paper size setting with the control panel. Or, press [Form Feed] , and then select the tray using the control panel. Or, press [Job Reset] to cancel the print job. |
| Reset Tray # or Form Feed | The indicated paper input tray is not set correctly, or not set. #: tray number | Set the indicated paper input tray correctly. |
| Reset Waste Toner correctly | The waste toner bottle is not set correctly, or not set. | Set the waste toner bottle correctly. |

| Messages / Second messages | Description | Solution |
|--|---|--|
| Resetting Job... | Job is being reset. | Wait a while. |
| ROM Update Waiting for Data | The printer is waiting for updated data. | Don't turn off the printer while it is waiting for data. |
| ROM Update Receiving Data | The printer is receiving updated data. | Don't turn off the printer while it is receiving data. |
| SC XXX-X Power Off On Call Service if error reoccurs | Turn the power off and then on. If the message appears again, contact your sales or service representative. | Turn the power off, and then on. If the message appears again, contact your sales or service representative. |
| SD authenticatn. failed | Authentication for the SD card has failed. | Turn the power switch off and then back on again. If the message appears again, contact your sales or service representative. |
| Setting change in process | The settings are being changed. | Wait a while. |
| SSID not entered | This message appears if the SSID has not been entered. | Enter the SSID. |
| Supply order failed | Supply order has failed. | The use is required to reset the job. |
| Toner is almost empty: Black | The printer is almost out of toner (K). | Prepare a replace the toner cartridge (K). |
| Toner is almost empty: Cyan | The printer is almost out of toner (C). | Prepare a replace the toner cartridge (C). |
| Toner is almost empty: Magenta | The printer is almost out of toner (M). | Prepare a replace the toner cartridge (M). |
| Toner is almost empty: Yellow | The printer is almost out of toner (Y). | Prepare a replace the toner cartridge (Y). |
| Update Mode Err. Power Off On | The printer has failed to start updating data. | Turn the printer OFF and then back ON to restart. |
| Waiting... | The printer is waiting for the next data to print. | Wait a while. |
| Warming up... | The printer is warming up and not ready. | Wait until the printer signals Ready. |
| Waste Toner is almost full (E) | The waste toner bottle is almost full. | Prepare to replace the waste toner bottle. Depending on your service contract, contact your sales or service representative. See p.50 "Replacing the Waste Toner Bottle". |

Printer Does Not Print

| Possible cause | Solutions |
|---|---|
| Is the power on? | <p>Check the cable is securely plugged into the power outlet and the printer.</p> <p>Turn on the power.</p> <p>If the machine does not start up when the main power is switched on, check whether the earth leakage breaker has tripped. If it has, contact your sales or service representative. Do not reset the earth leakage breaker yourself.</p> |
| Does the Online indicator stay on? | Press the [Online] key so the indicator lights. |
| Does the Alert indicator stay red? | Check the error message on the display and take the required action. |
| Is paper loaded? | <p>Load paper into the paper tray or onto the bypass tray.</p> <p>See p.20 "Loading Paper".</p> |
| Can you print a configuration page? | <p>If you cannot print a configuration page, a printer malfunction is likely. You should contact your sales or service representative.</p> <p>See "Printing a Configuration Page", Software Guide.</p> |
| Is the interface cable connecting the printer to the computer connected securely? | Connect the interface cable properly. If there are any connectors or screws, check they are fastened securely. |
| Are you using the correct interface cable? | <p>The type of interface cable you should use depends on the computer. Be sure to use the correct one.</p> <p>If the cable is damaged or worn, replace it.</p> |
| Does the Data In indicator blink or light after the print job is started? | <p>If the Data In indicator does not blink or light, the printer has not received the print data.</p> <ul style="list-style-type: none"> • If the printer is connected to the computer with the interface cable, make sure the printer port settings are correct. • If the printer is connected to the computer via the network, contact your network administrator. |
| Is the Data In indicator blinking or lit after starting the print job? | <p>If not blinking or lit, the data is not being sent to the printer.</p> <p>❖ If the printer is connected to the computer using the interface cable</p> <p>Check the port connection setting is correct. For details about checking the port connection, see p.88 "Checking the port connection".</p> <p>❖ Network Connection</p> <p>Contact your network administrator.</p> |

| Possible cause | Solutions |
|---|--|
| When you use IEEE 1394 interface board. | <ol style="list-style-type: none"> ① Check the IEEE 1394 interface board is attached to the computer correctly. ② Check the IEEE 1394 interface cable is connected securely. ③ Restart the computer. If the error occurs even after executing the above, proceed to the following steps. ④ Unplug the IEEE 1394 interface cable connected to the printer. ⑤ Execute the utility tool for IEEE 1394 interface board is stored in the following path on the CD-ROM labeled "Printer Drivers and Utilities". UTILITY\1394 <p>❗ Important</p> <ul style="list-style-type: none"> <input type="checkbox"/> For details about using the utility tool for IEEE 1394, see the README file in the same directory on the CD-ROM. |
| How is the signal strength when using the wireless LAN? | <ul style="list-style-type: none"> ❖ Ad Hoc Mode or 802.11 Ad Hoc Mode Either move to a location where the signal is good or remove obstructions. ❖ Infrastructure Mode Check the signal status from the "Maintenance" menu on the control panel. If the signal is poor, either move to a location where it is good or remove obstructions. |
| How is the signal strength when using Bluetooth? | Try the following: <ul style="list-style-type: none"> • Check that the Bluetooth interface unit is installed properly. • Check that there are no obstructions between the computer, printer, and other devices. • Change the location of the computer. • Change the location of the printer. |

5

| Possible cause | Solutions |
|--|---|
| When you use the Bluetooth interface unit. | <p>❖ SPP</p> <ol style="list-style-type: none"> ① Make sure the machine you want to use appears in the 3Com Bluetooth Connection Manager. ② Make sure “Bluetooth Serial Client (COMx)” appears under Client Ports in the 3Com Bluetooth Connection Manager. ③ Restart the computer, this printer, and the other devices. ④ Make sure no IEEE 802.11b (wireless LAN) or other Bluetooth devices are in use. <p> Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> Interference may occur with the IEEE 802.11b interface unit. Such interference may affect the transmission speed and other functions. <ol style="list-style-type: none"> ⑤ Transmissions between computers, other devices, and this printer can be blocked by obstructions. Move this printer, computers, and other devices, if necessary. <p>❖ HCRP, BIP</p> <ol style="list-style-type: none"> ① Restart the computer, this printer, and other devices. ② Make sure no IEEE 802.11b (wireless LAN) or other Bluetooth devices are in use. <p> Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> Interference may occur with the IEEE 802.11b interface unit. Such interference may affect the transmission speed and other functions. <ol style="list-style-type: none"> ③ Transmissions between computers, other devices, and this printer can be blocked by obstructions. Move this printer, computers, other devices, if necessary. |

If printing still does not start, contact your sales or service representative. Consult with the store where the printer was purchased for information about the location of sales or service representatives.

Checking the port connection

When the printer is directly connected via the PC cable and the data-in indicator does not flash or light up, the method of checking the port connection is as follows.

- For a parallel port connection, port LPT 1 or LPT 2 should be set.
 - For a USB port connection, port USB00 (n) *1 should be set.
 - For a IEEE 1394 (SCSI print) port connection, port 1394_00(n) *1 should be set.
- *1 (n) is the number of printers connected.
-

Windows 95/98/Me

- 1** Click [Start], point to [Settings] and then click [Printers].
 - 2** Click to select the icon of the printer. Next, on the [File] menu, click [Properties].
 - 3** Click the [Details] tab.
 - 4** Check the [Print to the following port] box to confirm that the correct port is selected.
-

Windows 2000

- 1** Click [Start], point to [Settings] and then click [Printers].
 - 2** Click to select the icon of the printer. Next, on the [File] menu, click [Properties].
 - 3** Click the [Port] tab.
 - 4** Check the [Print to the following port] box to confirm that the correct port is selected.
-

Windows XP Professional, Windows Server 2003

- 1** Access the [Printers and Faxes] window from [Start] on the taskbar.
- 2** Click to select the icon of the printer. Next, on the [File] menu, click [Properties].
- 3** Click the [Port] tab.
- 4** Check the [Print to the following port(s).] box to confirm that the correct port is selected.

Windows XP Home Edition

- 1** Access the [Control Panel] window from [Start] on the taskbar.
- 2** Click [Printers and Other Hardware].
- 3** Click [Printers and Faxes].
- 4** Click to select the icon of the printer. Next, on the [File] menu, click [Properties].
- 5** Click the [Port] tab.
- 6** Check the [Print to the following port(s.)] box to confirm that the correct port is selected.

Windows NT 4.0

- 1** Click [Start], point to [Settings] and then click [Printers].
- 2** Click to select the icon of the printer. After that, on the [File] menu, click [Properties].
- 3** Click the [Port] tab.
- 4** Check the [Print to the following port] box to confirm that the correct port is selected.

Other Printing Problems

5

| Problem | Possible causes and solutions |
|---|--|
| <p>Black areas and lines are printed with an unnatural hue.</p> | <ul style="list-style-type: none"> • PCL 5c/PCL 6/PostScript 3 Select [CMY + K] for Gray Reproduction in the printer driver's [Advanced] dialog box under the [Print Quality] tab. • RPCS Select [CMY + K] for Gray Reproduction under the [Image Adjustments] tab in the printer driver's [Change User Settings] dialog box. |
| <p>Color documents are printed in black and white.</p> | <p>The printer driver is not set up for color printing.</p> <ul style="list-style-type: none"> • PCL 5c/PCL 6/PostScript 3 Select [Color] for the Color/Black and White under the printer driver's [Setup] tab. • RPCS Select [Color] for the Color/Black and White under the printer driver's [Print Settings] tab. <p>For details, see the printer driver Help.</p> <p>Some applications normally print color text as black and white.</p> |
| <p>Fine dot pattern does not print.</p> | <ul style="list-style-type: none"> • PCL 5c/PCL 6/PostScript 3 Change the [Dithering:] setting in the [Advanced] dialog box under the printer driver's [Print Quality] tab. • RPCS Change the [Dithering:] setting under the [Image Adjustments] tab in the [Change User Settings] dialog box under the [Print Quality] tab in the printer properties dialog box. <p>For details, see the printer driver Help.</p> |
| <p>Images are cut off, or excess pages are printed.</p> | <p>You might be printing on paper that is smaller than the size selected in the application. Use paper the same size as that selected in the application. If you cannot load paper of the correct size, use the reduction function to reduce the image, and then print.</p> <p>See the printer driver Help.</p> |
| <p>Printing is smudgy.</p> | <p>If "Replace Color PCU (Type A)" or "Replace Black PCU (Type F)" appears on the display, replace the photoconductor unit.</p> <p>See p.37 "Replacing the Photoconductor Unit".</p> <p>If the paper is creased or curled, prints may smudge. Postcards are especially prone to curling while being printed on, so make sure they are perfectly straight before loading them. Straighten them if necessary.</p> <p>Try reducing the print density. To adjust the print density, press the [Menu] key on the control panel and select [Image Density] from the Maintenance menu.</p> <p>See p.71 "Adjusting Image Density".</p> |

| Problem | Possible causes and solutions |
|----------------------------------|---|
| Prints have smudges on the back. | Automatic selection of paper size and feed direction may have been canceled, a specific paper size selected, and then paper with a different size and feed direction loaded. Enable automatic selection on the control panel. Alternatively, load paper with the same size and feed direction as the settings on the control panel. See p.23 "If you load a paper size that is not selected automatically". |
| | The paper size and feed direction settings on the control panel may not match the size and feed direction of the paper in the bypass tray. Make the settings that match the size and feed direction of the paper in the bypass tray. See p.26 "Loading Paper in the Bypass Tray". |
| | If the print area exceeds the paper size - for instance, when producing A4 prints on B5 paper - subsequent prints may have smudges on the back. |
| Printing is entirely patchy. | If "Add Toner XXX" (where "XXX" is a color) appears on the display, replace the appropriate color toner cartridge. See p.34 "Replacing the Toner Cartridge". |
| | Try reducing the print density. <ul style="list-style-type: none"> • To adjust the print density, press [Menu] on the control panel, and then select [Image Density] from the Maintenance menu. • See p.71 "Adjusting Image Density". • If [Toner saving] is selected on the RPCS™ printer driver's [Print Quality] tab, printing becomes faint. For details, see the printer driver Help. |
| Printing is partly patchy. | Try reducing the print density. To adjust the print density, press [Menu] on the control panel, and then select [Image Density] from the Maintenance menu. See p.71 "Adjusting Image Density". |
| | If "Add Toner XXX" (where "XXX" is a color) appears on the display, replace the appropriate color toner cartridge. See p.34 "Replacing the Toner Cartridge". |
| | Make sure the toner cartridges and photoconductor unit are installed correctly. See p.34 "Replacing the Toner Cartridge". See p.37 "Replacing the Photoconductor Unit". |
| | Non-recommended paper is loaded. Use paper recommended by the supplier. |
| | Make sure the machine is level. |
| Prints have white lines on them. | Clean the dustproof glass. See p.57 "Cleaning the DustProof Glass". |

| Problem | Possible causes and solutions |
|--|---|
| Prints have black lines on them. | Clean the dustproof glass. See p.57 "Cleaning the DustProof Glass". |
| Text and graphics are blurred. | Select [Text Priority] under [4C.Graphic Mode] , and then print. To set 4C.Graphic Mode, select [4C.Graphic Mode] from the Maintenance menu. |
| | Reduce the resolution, and then print. In the RPCS™ printer driver [Change User Settings] dialog box, change the [Resolution:] setting on the [Image Adjustments] tab. |
| | Try reducing the print density. It is recommended to reduce the image density of black, cyan, magenta, and yellow equally, as this will preserve the color balance. See p.71 "Adjusting Image Density". |
| Printing is skewed. | Make sure the side guides inside the paper tray are locked. See p.20 "Loading Paper in Tray 1/2 and the optional paper feed unit". |
| | Make sure the lower left cover of the printer is properly closed. |
| The print orientation is wrong. | The paper orientation you selected may conflict with that selected in the printer driver option setup. Make the settings correctly. |
| Printing is not done in the specified color. | If printing is not done in the specified color, restart the printer by turning it off and back on, and then try printing again. |
| The color changes considerably when you adjust it with the RPCS™ printer driver. | When you adjust the color on the [Balance Adjustments] tab of the RPCS™ printer driver [Change User Settings] dialog box, do not change the values too much. Note that the printed colors will not be exactly the same as those in the sample image. For details, see the printer driver Help. |
| Photographs are grainy. | Some applications require the resolution to be reduced when printing. On the [Print Quality] tab, set [Print priority] to [Quality] . For details, see the printer driver Help. |
| Fine dot patterns do not come out. | In the RPCS™ printer driver [Change User Settings] dialog box, change the [Dithering:] setting on the [Image Adjustments] tab. For details, see the printer driver Help. |
| Black areas and lines are not pure black | In the RPCS™ printer driver [Change User Settings] dialog box, set [Gray reproduction (Text/Line Art):] on the [Image Adjustments] tab to [K (Black)] . For details, see the printer driver Help. |
| The black areas in the gradation are not pure black. | In the RPCS™ printer driver [Change User Settings] dialog box, set [Gray reproduction (Text/Line Art):] on the [Image Adjustments] tab to [CMY + K] . For details, see the printer driver Help. |
| Solid lines are printed as broken lines. | In the RPCS™ printer driver [Change User Settings] dialog box, change the [Dithering:] setting on the [Image Adjustments] tab. For details, see the printer driver Help. |

| Problem | Possible causes and solutions |
|---|---|
| Two or more sheets are fed together. | <p>In the RPCS™ printer driver [Change User Settings] dialog box, change the [Dithering:] setting on the [Image Adjustments] tab.</p> <p>For details, see the printer driver Help.</p> <p>Fan the sheets well before loading them.</p> <p>See p.20 “Loading Paper”.</p> |
| It takes too much time to complete the print job. | <p>Photographs and other data-rich pages take a long time for the printer to process, so simply wait when printing such data.</p> <p>Changing the following settings may help speed up printing.</p> <ul style="list-style-type: none"> • PCL 5c Select [600 dpi] as the Resolution under the [Print Quality] tab in the printer properties dialog box. • PostScript 3 Select [1200 dpi] or [600 dpi] as the Resolution under the [Print Quality] tab in the printer properties dialog box. Select [Fast] as the Gradation under the [Print Quality] tab in the printer properties dialog box. Select [PostScript (optimize for speed)] as the PostScript 3 output format under the [PostScript] tab in the printer properties dialog box. • RPCS Select [1200 x 600 dpi] or [600 x 600 dpi] as the Resolution under the [Image Adjustments] tab in the [Change User Settings] dialog box in the printer dialog box. Select [Speed] Print priority under the [Print Quality] tab in the printer properties dialog box. <p>For details, see the printer driver Help.</p> <p>The data is so large or complex that it takes time to process. If the Data In indicator is blinking, data processing is in progress. Just wait until it resumes.</p> <p>If the “Warming Up...” message appears on the display, the printer is warming up. Wait a while.</p> <p> Note</p> <p><input type="checkbox"/> To maintain optimum quality, color adjustment is regularly executed during or after printing. Even if printing is not specified, color adjustment is sometimes executed automatically while the power is on.</p> |
| It takes too much time to resume printing. | <p>The data is so large or complex that it takes time to process. If the Data In indicator is blinking, data processing is in progress. Just wait until it resumes.</p> <p>The printer might be in Energy Saver mode. In this mode, the printer has to warm up before printing can start, and this takes time. To change how long it takes before the printer goes into Energy Saver mode or to disable Energy Saver mode, configure Energy Saver 1 or Energy Saver 2 in the System menu.</p> |

| Problem | Possible causes and solutions |
|---|---|
| Output are not delivered to the selected tray you require. | <p>When using the bypass tray, the size selected on the display might be different from actual paper size. Select the correct paper size. See p.3 "Paper and Other Media Supported by This Printer".</p> |
| | <p>If you are using a Windows operating system, printer driver settings override those set using the control panel. Set the desired output tray using the printer driver. See the printer driver Help.</p> |
| Paper misfeeds occur frequently. | <p>Check the side guide of the paper tray is locked. See p.20 "Loading Paper in Tray 1/2 and the optional paper feed unit". Paper size and feed direction of paper in the bypass tray might not be the same as those selected using the control panel. Check the settings on the control panel, and load paper of the correct size and feed direction. See p.26 "Loading Paper in the Bypass Tray".</p> |
| | <p>Check the paper guide of the paper tray is attached properly.</p> |
| Solid areas, lines, or text are shiny or glossy when printed as a mixture of cyan, magenta, yellow. | <ul style="list-style-type: none"> • PCL 5c/PCL 6/PostScript 3 Select [K (Black)] for Gray Reproduction in the printer driver's [Advanced] dialog box under the [Print Quality] tab. • RPCS Select [K (Black)] for Gray Reproduction under the [Image Adjustments] tab in the printer driver's [Change User Settings] dialog box. |
| Solid lines are printed as broken lines. | <ul style="list-style-type: none"> • PCL 5c/PCL 6/PostScript 3 Change the [Dithering:] setting in the [Advanced] dialog box under the printer driver's [Print Quality] tab. • RPCS Change the [Dithering:] setting under the [Image Adjustments] tab in the [Change User Settings] dialog box, under the [Print Quality] tab in the printer properties dialog box. For details, see the printer driver Help. |
| Some parts of the print image are not clear. | <p>Make the image density darker. To adjust image density, press [Menu] on the control panel, and then select Image Density from the Maintenance menu.</p> |
| The color gradation has changed. | <p>Color gradation during color printing changes slightly, depending on a number of factors. If you print the same file repeatedly or toner was recently replaced, changes may occur in color tones. When this happens, to obtain suitable print results, color gradation can be corrected. See p.65 "Correcting the Color Gradation".</p> |
| The color of the printout is different from the color on the computer display. | <p>Toner based color settings under the printer driver produce unexpected printout colors.</p> |
| | <p>Changing color settings using the printer driver produces unexpected printout colors. See the printer driver Help.</p> |

| Problem | Possible causes and solutions |
|--|---|
| The image is printed in the wrong orientation. | The feed direction you selected and the feed direction selected in Option Setup of the RPCS™ printer driver may be conflicting. Make the proper settings. |
| Color registration shifts when printing in color on thick paper. | Press [Menu] , and then select Color Regist. from the Maintenance menu. See p.62 "Adjusting the Fuser for Thick Paper". |
| The control panel error message stays on after removing the mis-fed paper. | Open the front cover of the printer, and then close it. |
| The print image is not clear. | Due to sudden temperature change, condensation might appear inside the printer, reducing print quality. If you move the printer from a cold room to a warmer room, do not use until it acclimatizes to the temperature. |
| The print side of pages is hazy gray. | Adjust image density. To adjust image density, press [Menu] , and select Image Density from the Maintenance menu. See p.71 "Adjusting Image Density". |
| | If paper is curled, correct it. Curled or folded paper might result in hazy gray print. Curling often occurs with postcards, so be sure to correct it before printing. |
| Printed images are different to computer screen images. | When you use certain functions, such as enlargement and reduction, image layout might be different from that displayed on the computer screen. |
| | You might have selected to replace True Type fonts with printer fonts in the printing process. To print an image like that image on the computer screen, make settings to print out True Type fonts as an image. See the printer driver Help. |
| The printer does not print at 1200 dpi, even if 1200 dpi resolution is selected. | Printing at 1200 dpi is memory intensive. Therefore, depending on memory capacity, you may not be able to print at 1200 dpi. Either add memory to the printer, or reduce the size of data. See "Memory Capacity and Paper Size", Software Guide. |
| There are color differences in color documents. | Press [Menu] , and then select Color Regist. from the Maintenance menu. See p.61 "Adjusting the Color Registration". |

| Problem | Possible causes and solutions |
|---|---|
| <p>PDF Direct Print is not executed (PDF file is not printed).</p> | <p>You must install an optional hard disk drive or set the value in [RAM Disk] on the System Menu to 2 MB or more.</p> <p> Reference For details about optional hard disk drive installation, see “Attaching the Hard Disk Drive”, Setup Guide. For [RAM Disk], see the “System Menu”, Software Guide.</p> |
| | <p>After adding a memory unit and set the value of the [RAM Disk] in the System Menu to 16 MB, value of the [RAM Disk] returns to 0 MB if the memory unit is removed. If this happens, reset the value of the [RAM Disk] to 2 MB or higher.</p> <p> Reference For details about [RAM Disk], see “System Menu”, Software Guide.</p> |
| | <p>When printing a PDF with a password set, set the password of the PDF file using the [PDF: Change PW] menu in [PDF Menu] or Web Image Monitor.</p> <p> Reference For details about [PDF: Change PW], see “PDF Menu”, Software Guide. For details about Web Image Monitor, see Help.</p> |
| | <p>PDF files not allowed to be printed by the PDF file security setting cannot be printed.</p> |
| <p>As a result of printing using PDF Direct Print, characters are missing or misshapen.</p> | <p>Before printing, embed the font in the PDF file to be printed.</p> |
| <p>The paper size appears on the control panel and printing is not performed with PDF Direct Print.</p> | <p>When using PDF Direct Print, printing will be performed only when paper of the size set within the PDF file is loaded. When a message indicating a paper size appears, either load paper of the indicated size in the paper tray or perform Form Feed.</p> <p>Also, if [Sub Paper Size] on the System Menu is set to [Auto], printing is performed assuming letter size and A4 size to be the same size. For example, when a PDF file set to A4 size paper is printed using PDF Direct Print and letter size paper is loaded in the paper tray, the file will be printed. This also applies to the reverse case.</p> |

 **Note**

- If the problem cannot be solved, contact your sales or service representative.

Additional Troubleshooting

Troubleshooting concerning the operation of this machine.

| Problems | Solutions |
|--|---|
| Strange noise is heard. | If a supply was recently replaced or an option attached in the area the strange noise is coming from, check the supply or option is properly attached. If the strange noise persists, contact your sales or service representative. |
| No e-mail is received when an Alert occurs and after resolving an Alert. | Confirm [Notify by Email] is set to [On] using the System Menu on the control panel. See "System Menu", Software Guide. |
| | Access the printer through Web Image Monitor, logging on as an Administrator, and then confirm the following settings in [Notification] : <ul style="list-style-type: none"> • Device E-mail Address • Groups to Notify • Select Groups/Items to Notify <p> Reference For details about the settings, see Web Image Monitor Help.</p> |
| | Access the printer through Web Image Monitor, logging on as an Administrator, and then confirm the settings of the SMTP server in [E-mail] . <p> Reference For details about the settings, see Web Image Monitor Help.</p> |
| | When the power is turned off before the e-mail is transmitted, the e-mail will not be received. |
| | Check the e-mail address set for the destination. Confirm the printer's operation history using the Web Image Monitor's System Log menu in [Network] . If the e-mail was sent but not received, it is possible the destination was incorrect. Also check the information concerning error e-mail from the mail server. |
| The setting for [Notify by Email] on the System Menu was changed from [Off] to [On] , but e-mail is not arriving. | After changing the setting, turn the printer's power off and then back on again. |
| Error notification e-mail was received, but no error-solved e-mail is received. | Check that e-mail is set to be sent using Web Image Monitor's [Notification] when an error is fixed. You must click the [Edit] button of [Detailed Settings of Each Item] in [Notification] , and set [Notify when error:] to [Occurs & Fixed] on the displayed page. <p> Reference For details about the settings, see Web Image Monitor Help.</p> |
| Alert Resolving is set for sending e-mail, but no error-solved e-mail is sent. | If the power of the printer is turned off after an Alert occurs and the Alert is resolved during the time the power is off, no error-solved e-mail is sent. |

| Problems | Solutions |
|---|---|
| Alert Occurrence and Alert Resolving are set for sending e-mail, but while no error notification e-mail is received, error-solved e-mail is received. | Alert-notification e-mail is not sent if the problem is resolved before sending. However, an error solved e-mail is sent. |
| The error-notification timing was changed, but no error notification e-mail was received for that timing. | If an error-notification e-mail is sent before the error-notification timing is changed, another error-notification e-mail for that error will not be sent for the new timing. |
| When no date information is included in sent e-mail, the mail server has a malfunction. | Make the setting for obtaining time information from the SNTP server. For details about the settings, see Web Image Monitor Help. |
| Printing using Bluetooth is slow. | <p>When using the Bluetooth interface unit, do the following:</p> <ul style="list-style-type: none"> • Transmit fewer print jobs. • Make sure no IEEE 802.11b (wireless LAN) or other Bluetooth devices are in use. <p> Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> Interference may occur with the IEEE 802.11b interface unit. Such interference may affect the transmission speed and other functions. • Transmissions between the computer and the printer can be blocked by obstructions. Move the printer or computer if necessary. <p> Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> When you use a Bluetooth connection, print jobs are transmitted relatively slowly. |
| Although the duplex unit is installed, the paper is printed on one side only. | Restart the printer by turning it off and back on. If the problem persists, contact your sales or service representative. |

If the machine is still not operating satisfactorily, contact your sales or service representative. Consult with the store where the printer was purchased for information about the location of sales or service representatives.

Removing Jammed Staples

If “Add Staples” appears on the display, or the printer does not staple even after instructed, jammed staples might be the cause.

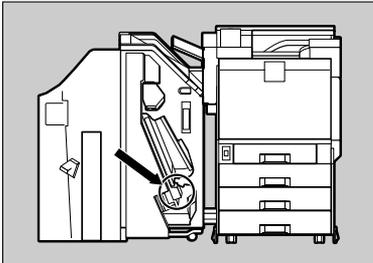


Add Staples

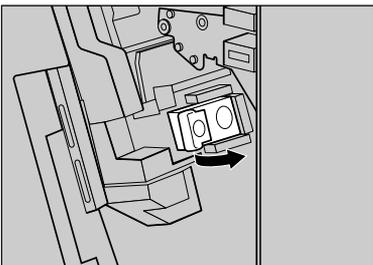
SR960 (2 Tray Finisher)

- 1 Open the front cover of the 2 tray finisher.

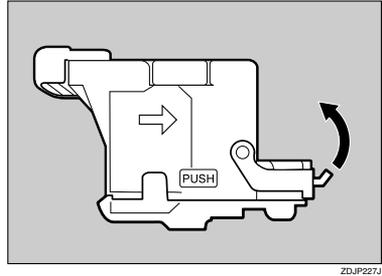
The stapler is positioned in the location as shown.



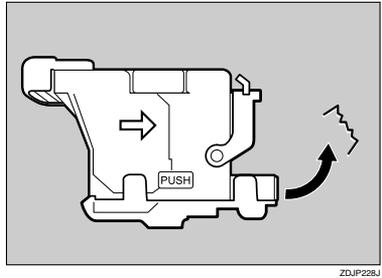
- 2 Remove the cartridge by pulling the green knob in the direction of the arrow.



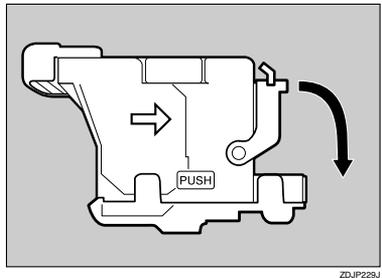
- 3 Open the cartridge face plate to unlock it.



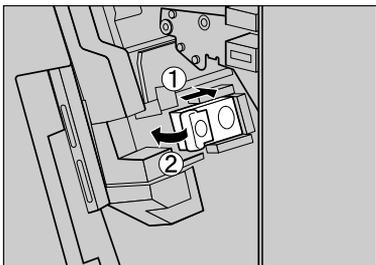
- 4 Remove jammed staples.



- 5 Close the cartridge face plate so it clicks into place.

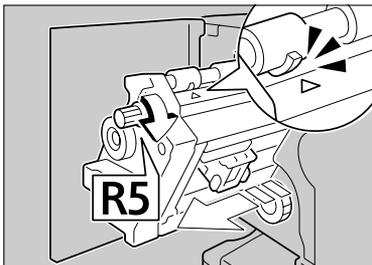


- 6** Slant and insert the cartridge (①), and then push in until it clicks into place (②).



ZDJP218J

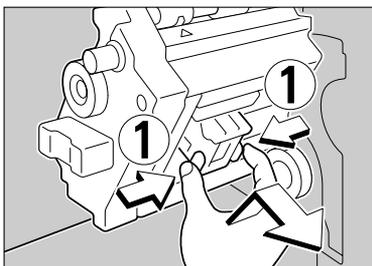
- 3** Turn knob R5 until the cartridge moves to the front.



ACE048S

- 7** Close the front cover of the 2 tray finisher.

- 4** Push the cartridge button, and lift up while removing.

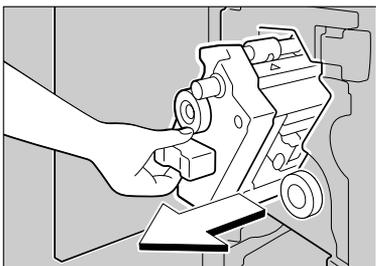


ACE050S

5

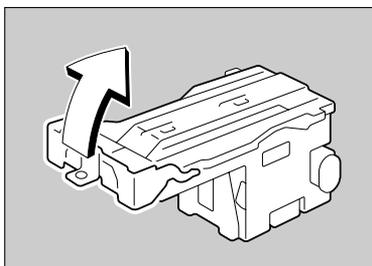
SR950 (Booklet Finisher)

- 1** Open the front cover of the finisher.



ACE040S

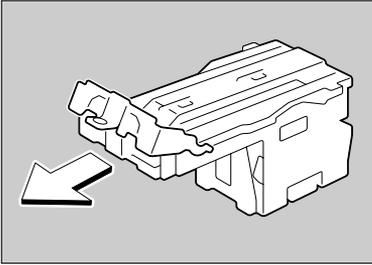
- 5** Open the cartridge's faceplate.



ACE051S

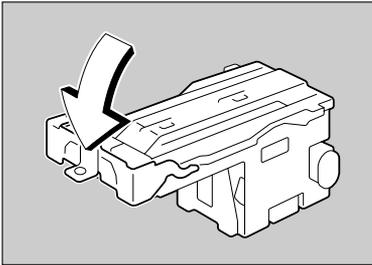
- 2** Hold the lever, and then pull out the staple unit.

6 Remove any jammed staples.



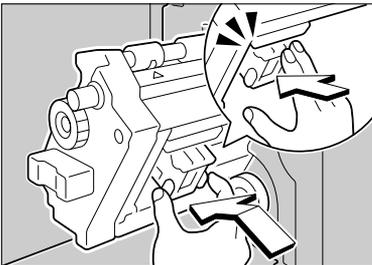
ACE052S

7 Close the cartridge's faceplate.



ACE053S

8 Push in the cartridge until it clicks.



ACE054S

9 Close the front cover of the finisher.

5

Adding Staples

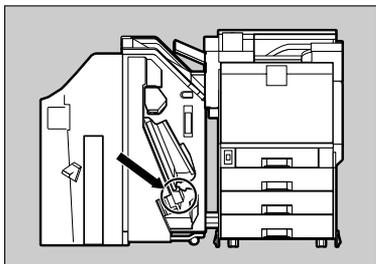
When “Add Staples” appears on the display, add a new staple refill.



SR960 (2 Tray Finisher)

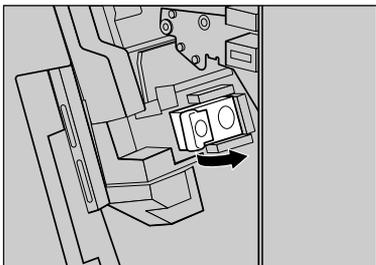
- 1** Open the front cover of the 2 tray finisher.

The stapler is positioned in the location as shown.



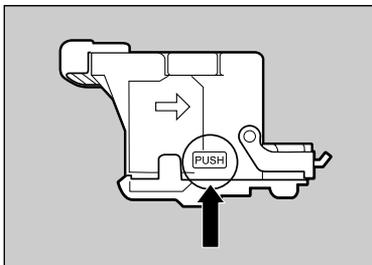
AGY225S

- 2** Remove the cartridge by pulling the green knob in the direction of the arrow.



ZDJP217J

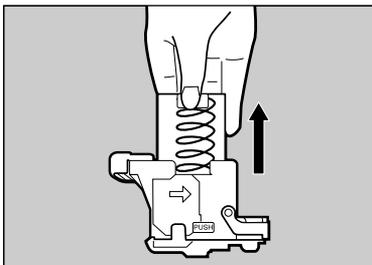
- 3** Push the areas labeled “PUSH”, located on both sides of the stapler.



ZDJP222J

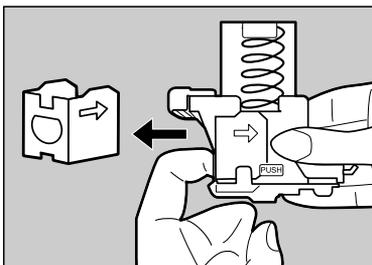
The case cover on top rises.

- 4** Pull the case cover up.



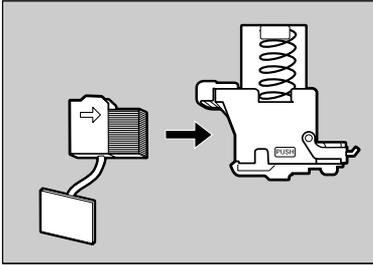
ZDJP223J

- 5** Hook your finger in the hole of the empty refill case to pull it out.



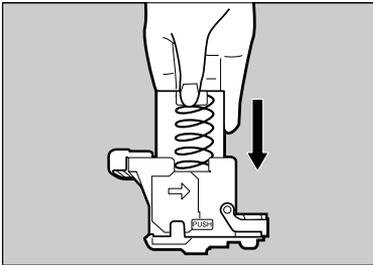
ZDJP224J

- 6** Push in until the arrow on the refill case lines up with the arrow on the refill case cover.



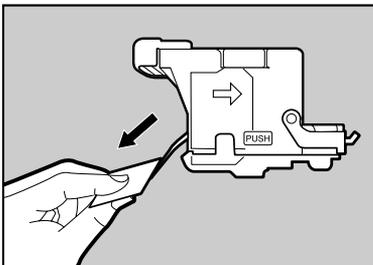
ZD.JP225.J

- 7** Push the case cover down until it clicks into place.



ZD.JP230.J

- 8** Pull out the ribbon used for tying together the staples.

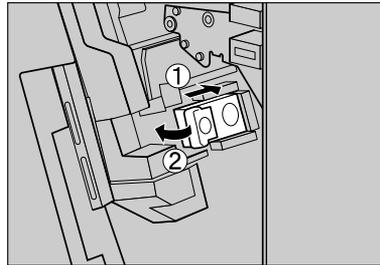


ZD.JP226.J

Note

- ❑ Remove the entire length of the ribbon.

- 9** Slant and insert the cartridge (①), and then push in until it clicks into place (②).



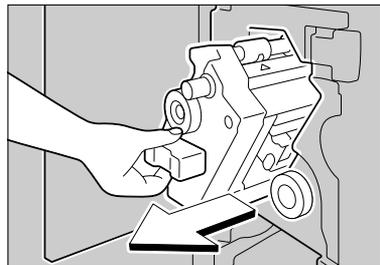
ZD.JP218.J

- 10** Close the front cover of the 2 tray finisher.

SR950 (Booklet Finisher)

5

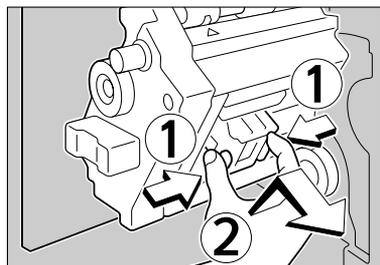
- 1** Open the front cover.



ACE048S

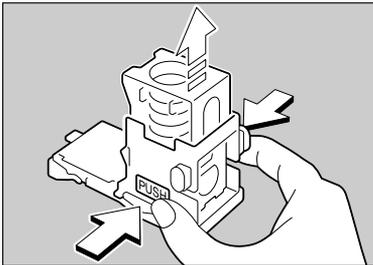
- 2** Hold the lever, and then pull out the staple unit.

- 3** Push the cartridge button, and then pull out the cartridge while lifting the cartridge.



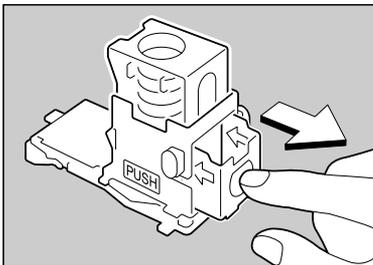
ACE041S

- 4** Hold both sides of the cartridge, and then pull up the upper unit of the cartridge.



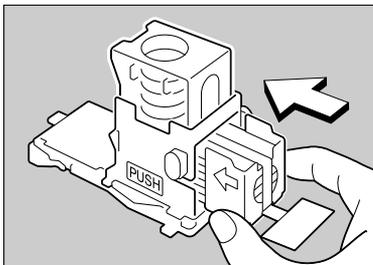
ACE042S

- 5** Remove the empty refill in the direction of the arrow.



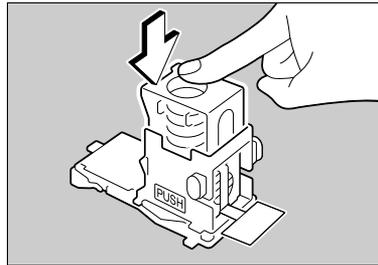
ACE043S

- 6** Push in the new cartridge until it clicks.



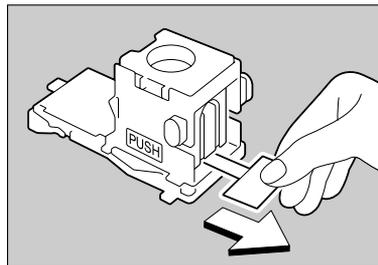
ACE044S

- 7** Gently push down the upper unit.



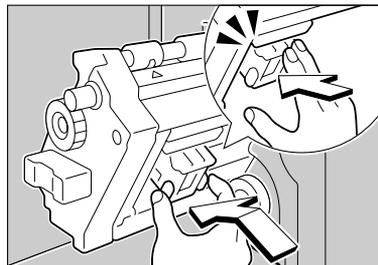
ACE045S

- 8** Pull out the ribbon.



ACE046S

- 9** Push in the cartridge until it clicks.



ACE047S

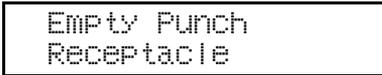
- 10** Close the front cover of the finisher.

Removing Punch-hole Chips

When “Empty Punch Receptacle” appears on the display, the punch waste box is full. Follow these steps to remove paper chips.

Note

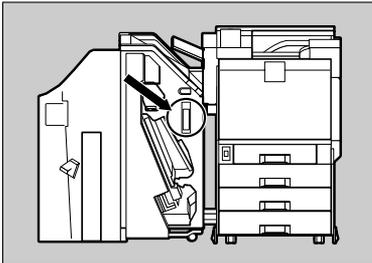
- The same message appears when the punch waste box is not installed correctly.



SR960 (2 Tray Finisher)

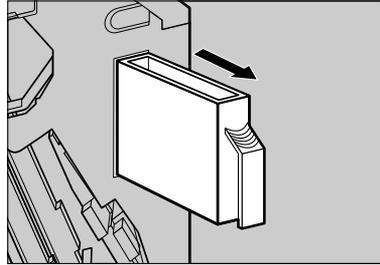
- 1** Open the front cover of the 2 tray finisher.

The punch waste box is positioned in the location shown in the illustration.



AGY226S

- 2** Pull out the punch waste box, and then remove the paper chips.



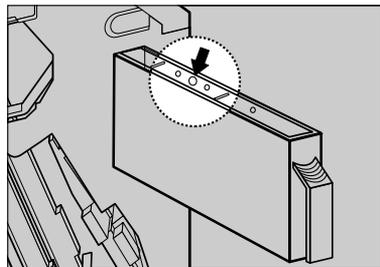
ZDJP220J

- 3** Re-install the punch waste box.

- 4** Close the front cover of the 2 tray finisher.

❖ If the message appears even after removing the Punch-hole chips

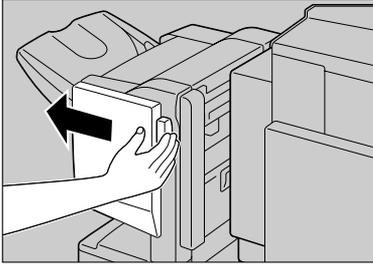
If the “Empty Punch Receptacle” message appears on the control panel even when the punch waste box is not full, chips might be stuck around the punch waste box hole, as shown. Remove punch-hole chips from around the hole.



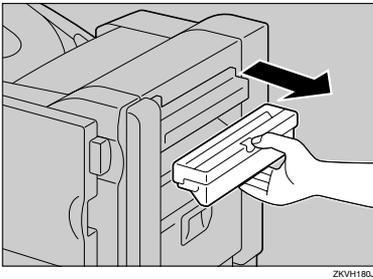
ZBGH030N

SR950 (Booklet Finisher)

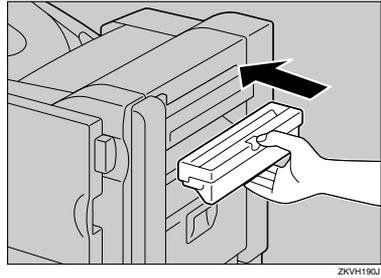
- 1** Hold the release lever, and then pull out the booklet finisher.



- 2** Pull out the punch waste box, and then remove the paper chips.



- 3** Reinstall the punch waste box.



 **Note**

- If the message does not disappear, reinstall the punch waste box.

- 4** Attach the booklet finisher.

6. Removing Misfed Paper

Removing Misfed Paper

An error message appears if a paper misfeed occurs. The error message gives the location of the misfeed.

Important

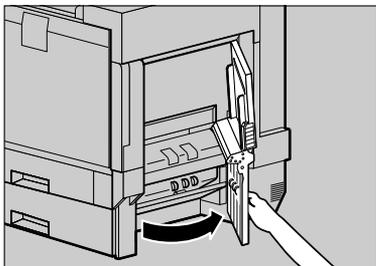
- Misfed paper may be covered in toner. Be careful not to get toner on your hands or clothes.
- Toner on prints made after removing misfed paper may be loose (inadequately fused). Make a few test prints until smudges no longer appear.
- Do not forcefully remove misfed paper, it will tear. Torn pieces remaining inside the printer will cause further misfeeds and possibly damage the printer.

❖ Misfeed Recovery

This printer has a misfeed recovery function that sends misfed paper to the standard tray or right cover. Usually, you can remove the misfed paper from one or other of these trays.

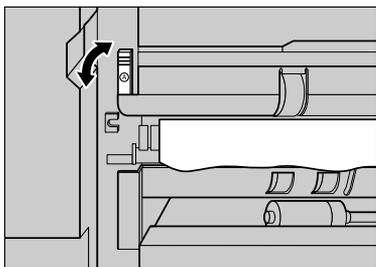
When “Remove Misfeed A:Internal Path” Appears

- 1** Open the bottom-right cover by pulling its lever.



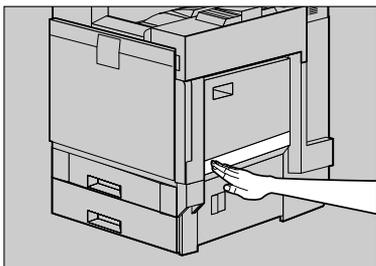
AGY050S

- 2** Move the blue lever up and down to feed the misfed paper, and then slowly pull out the paper.



ZHXH205J

- 3** Close the right cover by pushing the area labeled “PUSH”.



AGY054S

When "Remove Misfeed B:Fusing Unit" Appears

⚠ CAUTION:

- The inside of the machine becomes very hot. Do not touch parts labelled "hot surface". Touching a "hot surface" could result in a burn.

- 1 If the 2 tray finisher or the booklet finisher is installed, detach it from the printer.

🔍 Reference

p.32 "Detaching the SR960 (2 Tray Finisher)"

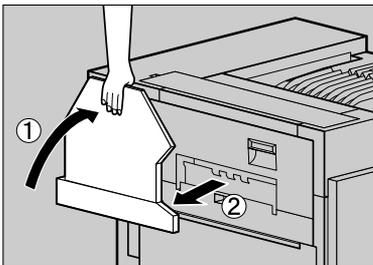
p.33 "Detaching the SR950 (Booklet Finisher)"

- 2 If the duplex unit is installed, open the duplex reversal unit.

🔍 Reference

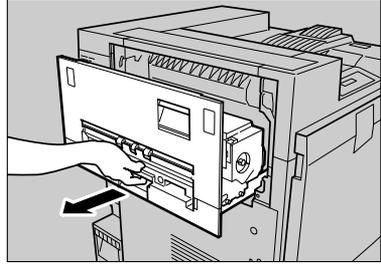
p.33 "Opening and Closing the Duplex Reversal Unit"

- 3 If the output tray is attached to the printer, raise it in the direction of the arrow (①), and then remove it (②).



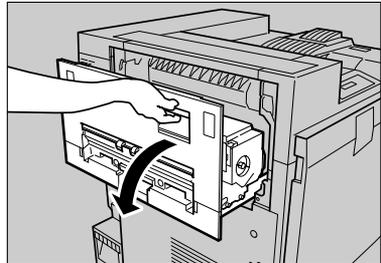
ZDJP038J

- 4 Slowly pull out the upper left cover for the printer.



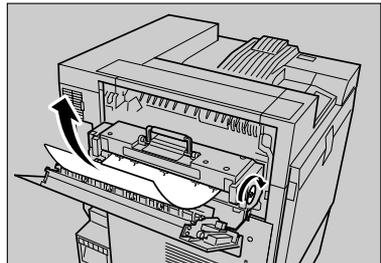
AGY105S

- 5 Open the upper left cover.



AGY106S

- 6 Turn the blue dial in the direction of the arrow to push out the misfed paper, and slowly pull out the paper.

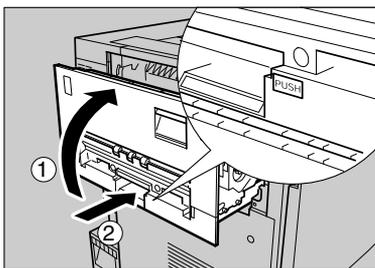


AGY145S

Important

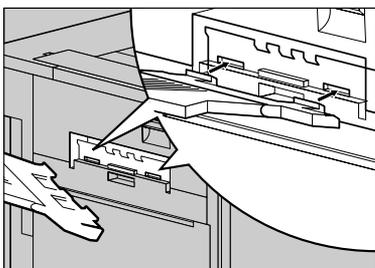
- ❑ Always turn the blue dial in the direction of the arrow. If you turn it in the reverse direction, paper feeds into the printer, making it difficult for you to take out.
- ❑ Do not pull out misfed paper. Use the blue dial to push it.

7 Close the upper left cover (1) and push the part labeled "PUSH" next to the handle at the bottom rear, the back until it clicks (2).



ZHXH082J

8 If you removed the output tray in step 3, reattach it to. Insert the hooks of the output tray into the printer slits, and then lower it toward you.



ZDJH010J

9 If the duplex unit is installed, close the duplex reversal unit.

Reference

p.33 "Opening and Closing the Duplex Reversal Unit"

10 If the 2 tray finisher or the booklet finisher is installed, reattach it to the printer.

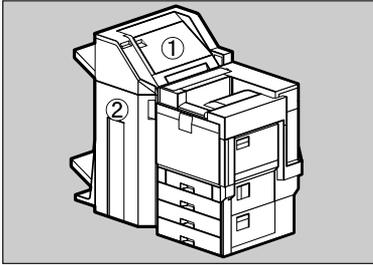
Reference

p.32 "Detaching the SR960 (2 Tray Finisher)"

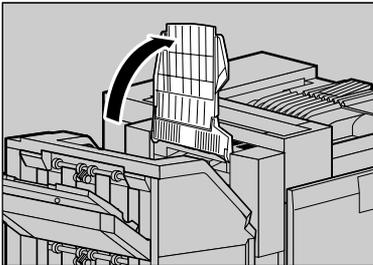
p.33 "Detaching the SR950 (Booklet Finisher)"

When "Remove Misfeed R:Finisher" Appears

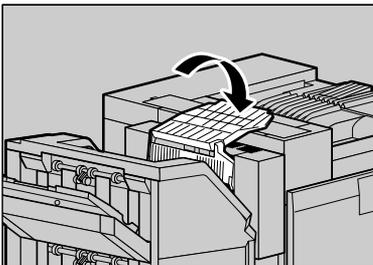
Open the top cover (①) and front cover (②) of the 2 tray finisher, and then remove the misfed paper.



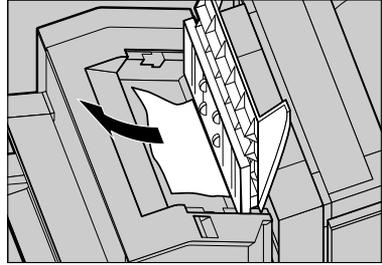
1 Fold the output tray. Raise it vertically.



2 Fold it over the printer top.

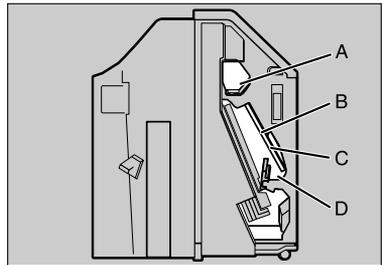


3 Open the top cover for the 2 tray finisher, and then slowly pull out the misfed paper.

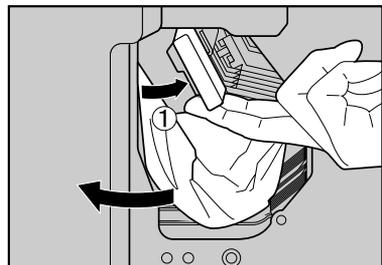


4 Close the top cover slowly.

5 Open the front cover for the 2 tray finisher. Check to see if there is misfed paper in areas A, B, C, and D.

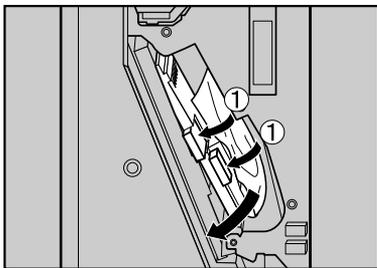


6 Check area A of step 5. Lift the lever (①), and then while holding it up with your hand, slowly pull out the misfed paper.



7 Slowly lower the lever to put it back into place.

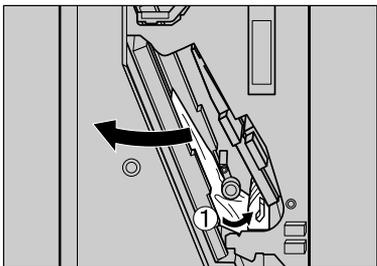
8 Check areas B and C of step 5. Lower the lever in the direction of the arrows (1), and then slowly pull out the misfed paper.



ZDJP211J

9 Slowly lift the lever to put it back into place.

10 Check area D of step 5. Lift the lever in the direction of the arrow (1), and then slowly pull out the misfed paper.



ZDJP212J

11 Slowly lower the lever to put it back into place.

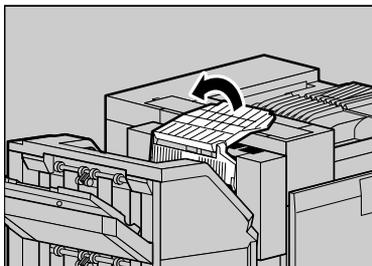
12 Close the front cover of the 2 tray finisher.

If the error message does not disappear even after misfed paper is removed, detach the 2 tray finisher from the printer to check for misfed paper there.

Reference

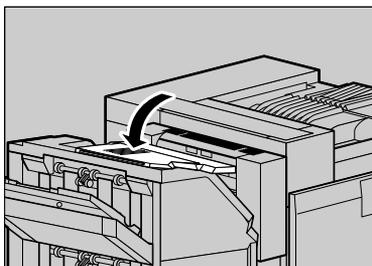
See p.32 “Detaching the SR960 (2 Tray Finisher)” for details about how to detach/reattach the 2 tray finisher from/to the printer.

13 Put the output tray back into place. Raise the tray.



AGY064S

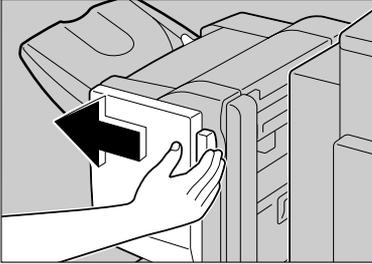
14 Lower it slowly.



AGY065S

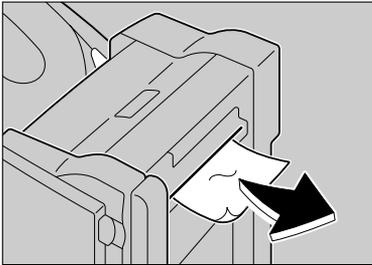
When "Remove Misfeed R1" Appears

- 1** Hold the release lever, and then remove the booklet finisher.



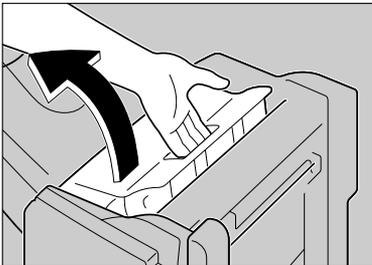
ACE030S

- 2** Remove the misfed paper.



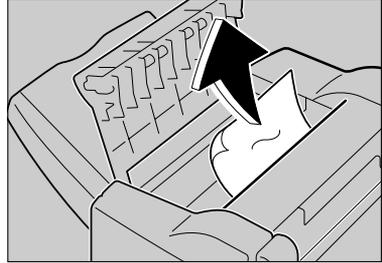
ACE031S

- 3** Open the upper cover.



ACE032S

- 4** Remove the misfed paper.



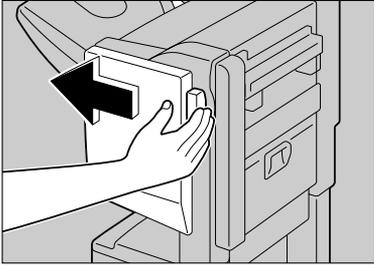
ACE033S

- 5** Close the upper cover.

- 6** Attach the booklet finisher.

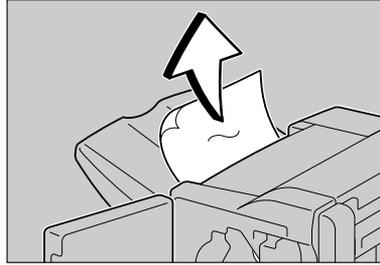
When “Remove Misfeed R2-4” Appears

1 Hold the release lever, and then remove the booklet finisher.



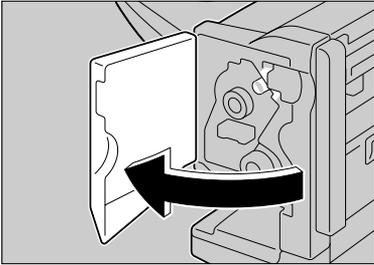
ACE0345

4 Remove the misfed paper.



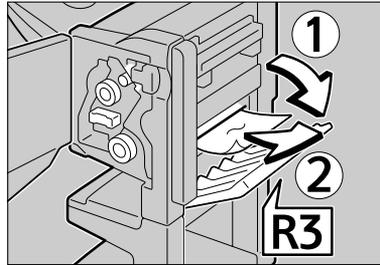
ACE0375

2 Open the front cover.



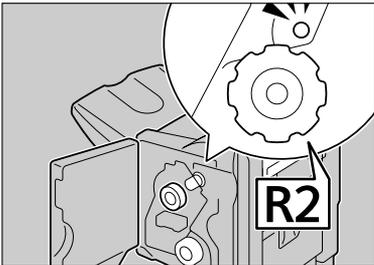
ACE0355

5 Hold lever R3, and then open the cover.



ACE0385

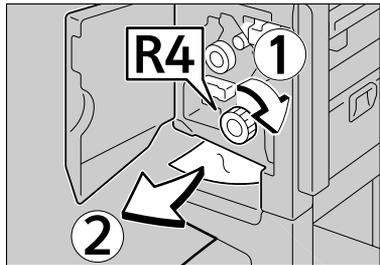
3 Make suer the blue marker is visible. If not, turn knob R2 until it is visible.



ACE0365

6 Remove the misfed paper.

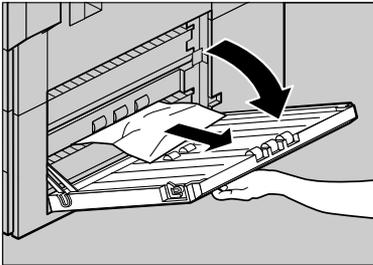
7 Turn knob R4, and then remove the misfed paper.



ACE0395

When "Remove Misfeed Y:Paper Tray" Appears

- 1** Open the lower right cover of the paper feed unit, and then pull out the misfed paper.



ZDJY209J

- 2** Close the lower right cover of the paper feed unit.

When “Remove Misfed Z1: Duplex Unit” Appears

⚠ CAUTION:

- *The inside of the machine becomes very hot. Do not touch parts labelled “hot surface”. Touching a “hot surface” could result in a burn.*

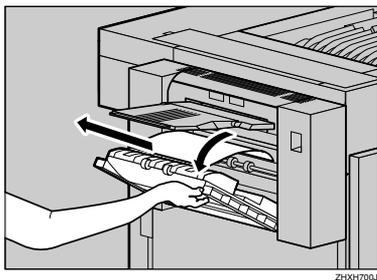
1 If the 2 tray finisher or the booklet finisher is installed, detach it from the printer.

🔍 Reference

p.32 “Detaching the SR960 (2 Tray Finisher)”

p.33 “Detaching the SR950 (Booklet Finisher)”

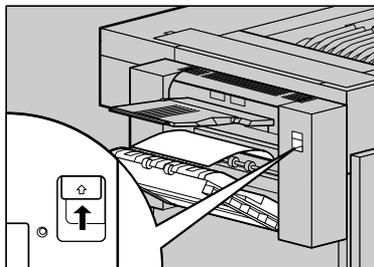
2 Open the left cover of the duplex reversal unit, and then remove the misfed paper. Do not pull the paper out forcefully.



ZHXH700J

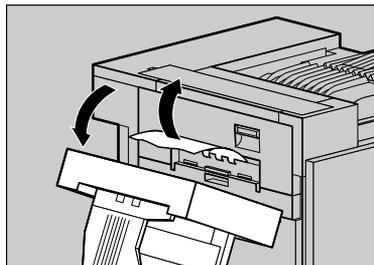
If you cannot remove the paper, proceed to step **3**.

3 Push up the lock release button of the duplex reversal unit, and then hold it in place.



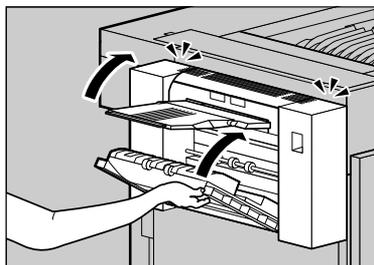
ZHXH710J

4 Slowly lower the duplex reversal unit until it stops, and remove the misfed paper.



ZDJY212J

5 Slowly raise the duplex reversal unit and insert until it clicks into place. Raise the left cover, and then close it securely by pushing the area labeled “PUSH”.



ZHXH720J

When "Remove Misfeed Z2:Dup.Feed Unit" Appears

You can remove misfed paper from the duplex feed unit by following the procedure below.

Note

- When a paper misfeed occurs in the duplex feed unit, the printer usually sends the misfed paper to the right cover, so there is no need to execute this procedure. See p.108 "When "Remove Misfeed A:Internal Path" Appears".

Important

- Be sure to remove misfed paper by following the procedure below when the "Remove Misfeed Z2:Dup.Feed Unit" message appears on the display.

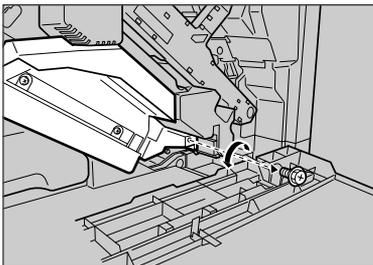
1 Turn off the power, and then unplug the power cable.

2 Slowly open the front cover of the printer, remove the green screwdriver.

Reference

p.31 "Using the Screwdriver"

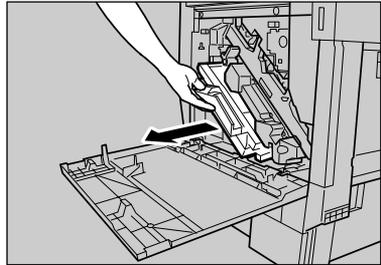
3 Remove the screw fastening the duplex feed unit using the provided screwdriver.



AGY061S

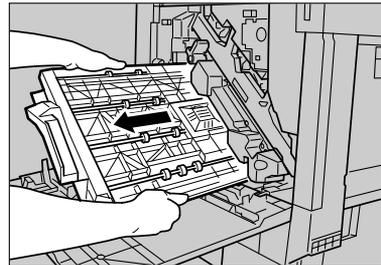
You will use this screw to refasten the duplex feed unit later.

4 Pinch the upper left area of the duplex feed unit, and then slowly pull it halfway out.



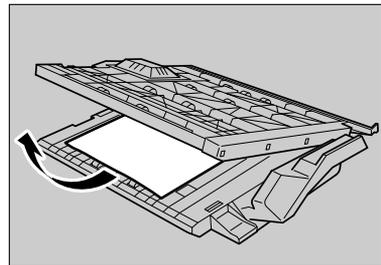
AGY088S

5 Hold the duplex feed unit using both hands, place it on the vertical rail, and slide it straight out.



ZHXM650J

6 Slowly place the duplex feed unit on the floor. Open it slowly, and remove the misfed paper.



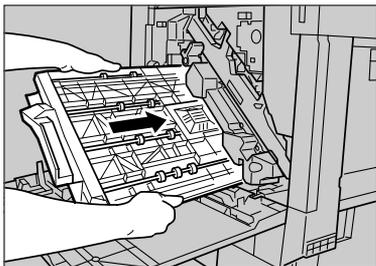
ZHXM660J

Important

- ❑ Do not forcefully open the duplex feed unit. It might damage the unit.

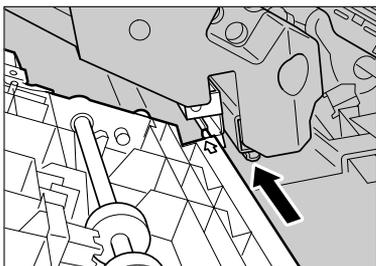
7 Close the duplex feed unit.

8 Hold the duplex feed unit using both hands, place it on the vertical rail, and slide it slowly in until it stops.



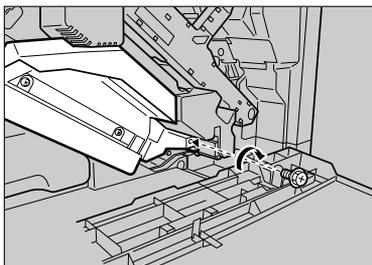
ZHXH290J

The vertical rail is in the position as shown.



ZHXH300J

9 Refasten the duplex feed unit using the provided screwdriver. Use the screw removed in step 8.

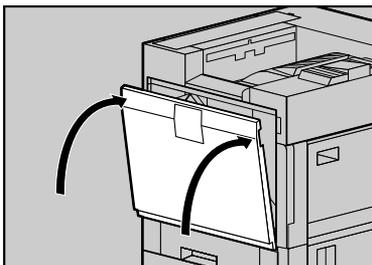


AGY060S

Note

- ❑ Be sure to return the provided screwdriver to its original position on the inside of the front cover.

10 Slowly close the front cover by pushing the two areas on the left and right.



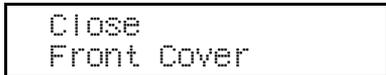
AGY049S

11 Plug in the power cable, and then turn on the power.

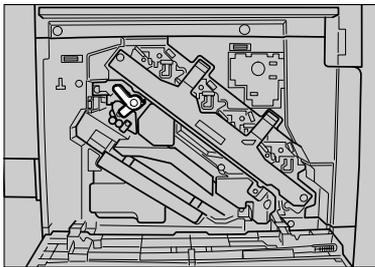
7. Appendix

When the Front Cover Does Not Close

If “Close Front Cover” appears on the display, the cover is not properly closed, even if it appears to be.



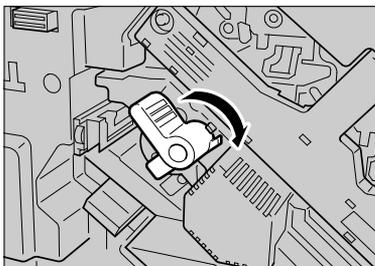
If the front cover does not close, check the green lever is in the locked position, as shown.



AGY238S

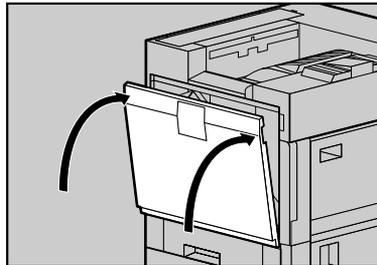
1 Turn off the power, and then unplug the power cable.

2 Turn the green lever clockwise.



AGY067S

3 Slowly close the front cover by pushing the two areas on the left and right.



AGY048S

4 Plug in the power cable, and then turn on the power.

Moving and Transporting the Printer

CAUTION:

- *When moving the machine, each person should hold the handle on the sides, and lift slowly. Lifting carelessly or dropping it may cause injury.*
- *When moving the printer, remember to unplug the power cord from the wall outlet to avoid fire or electric shock.*
- *When pulling out the plug from the socket, grip the plug to avoid damaging the cord and causing fire or electric shock.*

Note

- Basic model printer weighs approximately 83.3 kg (183.7 lb.), duplex unit standard model printer weighs approximately 92.5 kg (203 lb.).

Protect the printer by using the original packaging when transporting.

Important

- Be sure to disconnect all cables from the printer before moving it.
- This printer is a piece of precision machinery. Take care to avoid damage during shipment.

Moving the Printer

CAUTION:

- *When lifting the machine, use the inset grips on both sides. Otherwise the printer could break or cause injury if dropped.*
- *Before moving the machine, unplug the power cord from the outlet. If the cord is unplugged forcefully, it could become damaged. Damaged plugs or cords can cause an electrical or fire hazard.*

Moving the printer in the short distance

1 Be sure to check the following:

- The power is turned off.
- The power cable is unplugged from the wall outlet.
- The interface cable is unplugged from the printer.

2 If you have installed external options, remove them.

3 Be sure to close the bypass tray and front cover.

4 Lift the printer and move it horizontally to the place you want to install it.

Important

- Be sure to move the printer horizontally. Moving the printer slowly prevents toner scattering.
- If the paper feed unit(s) is installed, detach it and move the printer separately.

Consumables

CAUTION:

- *Our products are engineered to meet the highest standards of quality and functionality. When purchasing expendable supplies, we recommend using only those specified by an authorized dealer.*

Toner Cartridge

| Toner cartridge | Average printable number of pages ^{*1} |
|-----------------|---|
| Black | 24,000 pages |
| Cyan | 10,000 pages |
| Magenta | 10,000 pages |
| Yellow | 10,000 pages |

^{*1} A4 5% test chart, 3 pages/job

Note

- The actual number of printed pages you get from a particular toner cartridge depends on the type and size of paper you are using, the contents of print images, and printing environment conditions. This means that toner cartridges may need replacing more frequently than indicated above.
- Toner cartridges may need to be changed sooner than indicated above due to deterioration over the period of use.
- Toner cartridges (consumables) are not covered by warranty. However, if there is problem, contact the store where they were purchased.
- When you first use this printer, use the four toner cartridges packaged with the printer.
- Numbers of pages that can be printed using the toner cartridge supplied with this printer are as follows:

| Toner cartridge | Average printable number of pages |
|-----------------------|-----------------------------------|
| Black | 12,000 pages |
| Cyan, Magenta, Yellow | 5,000 pages |

Staple Cartridge

| Cartridge type | Number of shots |
|-------------------------|-------------------------------|
| Staple cartridge | 5000 shots × 1 with cartridge |
| Staple Refill cartridge | Refill 5000 shots × 3 |

Other consumables

 **Note**

□ The actual lifespan of consumables depends on the type and size of paper you are using, content of print images, and printing environment conditions. This means that consumables may need replacing more frequently than indicated. Furthermore, the lifespan of color consumables may be considerably reduced, as mixed printing of black & white and color pages is common.

| Name | Consumables | Average printable number of pages ^{*1} |
|---|-------------------------------|---|
| Printer Maintenance Kit Type 7200/7300A | Color photoconductor unit × 3 | 40,000 ^{*2} |
| Printer Maintenance Kit Type 7200/7300B | Color development unit × 3 | 80,000 ^{*2} |
| Printer Maintenance Kit Type 7200/7300C | Fusing unit × 1 | 80,000 ^{*2} |
| Printer Maintenance Kit Type 7200/7300D | Black development unit × 1 | 80,000 ^{*2} |
| Printer Maintenance Kit Type 3800E | Waste toner bottle × 1 | 40,000 |
| Printer Maintenance Kit Type 7200/7300F | Black photoconductor unit × 1 | 40,000 ^{*2} |
| Printer Maintenance Kit Type 3800H | Paper feed roller × 3 | 150,000 |

^{*1} A4 5% test chart, 3 pages/job

^{*2} When printing each page as a single job, the unit needs extra idling time, thus reducing its print life by half.

Specifications

Mainframe

❖ Configuration:

Desktop

❖ Print Process:

Laser beam scanning & Electrophotographic printing
Dual component toner development

❖ First Print Speed:

Monochrome: 11 sec or less (A4 , 11 × 8¹/₂ )

Color: 12 sec or less (A4 , 11 × 8¹/₂ )

Note

If the printer has not been used for a while, there may be a short delay before the first page starts printing.

❖ Printing Speed:

• Basic model printer

Monochrome: Maximum 32 pages per minute (A4 , 11 × 8¹/₂ ) *¹

Color: Maximum 28 pages per minute (A4 , 11 × 8¹/₂ ) *¹

• Duplex unit standard model printer

Monochrome: Maximum 35 pages per minute (A4 , 11 × 8¹/₂ ) *¹

Color: Maximum 35 pages per minute (A4 , 11 × 8¹/₂ ) *¹

*¹ Printing speed may vary depending on the setting up environment.

❖ Resolution:

1200 × 1200 dpi (RPCS, PostScript 3, PCL 6)

1200 × 600 dpi (RPCS, PostScript 3, PCL 5c, PCL 6)

600 × 600 dpi (RPCS, PostScript 3, PCL 5c, PCL 6)

300 × 300 dpi (RPCS, PCL 5c *¹)

*¹ monochrome only

❖ Paper size:

See p.3 “Paper and Other Media Supported by This Printer”.

❖ Paper Weight:

See p.3 “Paper and Other Media Supported by This Printer”.

❖ Media Type:

See p.3 “Paper and Other Media Supported by This Printer”.

❖ Paper Output Capacity:

Face down: 500 sheets (80 g/m², 20 lb.)

Face up: 100 sheets (80 g/m², 20 lb.)

❖ **Paper Input Capacity:**

| | |
|----------------------------|---|
| Standard Paper Tray | 500 sheets × 2 * ¹ |
| Bypass Tray * ² | 100 sheets * ¹ |
| Paper Feed Unit Type 7300 | 500 sheets × 1, 500 sheets × 2 * ¹ |
| Paper Bank Type 7300 | 2,000 sheets * ¹ |

*¹ Paper weight: 80 g/m² (20 lb.)

*² You can load up to 10 envelopes at the same time.

❖ **Power Source:**

- **Basic model printer**
220 - 240 V, 50/60 Hz, 6 A or more
- **Duplex unit standard model printer**
220 - 240 V, 50/60 Hz, 7 A or more

❖ **Power Consumption:**

| | |
|--------------|---|
| Printing | <ul style="list-style-type: none"> • Basic model printer 1,440 W or less *¹ • Duplex unit standard model printer 1,550 W or less *¹ |
| Energy Saver | 26 W or less |

*¹ No power is used during power off.

❖ **Warm-up Time:**

Less than 95 seconds (23°C, 73F) *¹

*¹ When no error.

❖ **Dimensions:**

| | Width | Depth | Height |
|---|---------------------------|-------------------------|--------------------------|
| Basic model printer (tray not extended) | 575 mm (22.7 inches) | 678 mm (26.7 inches) | 678 mm (26.7 inches) |
| Duplex unit standard model printer (tray not extended) | 665 mm (26.2 inches) | 678 mm (26.7 inches) | 678 mm (26.7 inches) |
| With Paper Feed Unit Type 7300 (500×2) or Paper Bank Type 7300, and SR960 | 1,450 mm (57.2 inches) | 678 mm (26.7 inches) | 1060 mm (41.7 inches) |

❖ **Weight:**

- **Basic model printer**
Approximately 83.3 kg (183.7 lb.) *¹
- **Duplex unit standard model printer**
Approximately 92.5 kg (203 lb.) *¹

*¹ Toner cartridges and power cord included.

❖ **Noise Emission** *¹:**Sound Power Level**

| | Main unit only |
|-----------------|----------------|
| During Printing | 66 dB (A) |
| Standby | 43 dB (A) |

Sound Pressure level *²

| | Main unit only |
|-----------------|----------------|
| Standby | 26 dB (A) |
| During Printing | 53 dB (A) |

*¹ The preceding measurements made in accordance with ISO7779 are actual values.

*² Measured at the position of a bystander.

❖ **Memory:**

Standard 256 MB, up to 512 MB (with the optional Memory Unit)

❖ **Interface:****Standard:**

- Ethernet (10Base-T, 100Base-TX)
- USB2.0

It requires a USB computer port and cable that support USB 2.0.

Optional:

- Gigabit Ethernet (1000Base-T)
- IEEE 1394 (SCSI print, IP over 1394)
- IEEE 802.11b (Wireless LAN)
- Parallel (Bidirectional IEEE 1284)
- Bluetooth
- USB host interface

❖ **Printer Language:**

RPCS, PJP, PCL 5c/e/6, PostScript Level 3, PDF, PictBridge

❖ **Fonts:****PCL 5c**

Agfa Font 35 Manager Intellifonts, 10 TrueType fonts, and 1 Bitmap font Agfa Font Manager available, 58 fonts

PostScript 3

136 fonts

Options

Paper Feed Unit Type 7300 (500 × 1)

- ❖ **Dimensions (W × D × H):**
540 × 600 × 172 mm (21.3 × 23.7 × 6.8 in)
- ❖ **Paper Weight:**
60 - 105 g/m² (16 - 28 lb.)
- ❖ **Paper Size:**
A5 (Long edge feed) - A3, 8¹/₂ × 11 - 11 × 17 (Short edge feed)

Paper Feed Unit Type 7300 (500 × 2)

- ❖ **Dimensions (W × D × H):**
540 × 600 × 270 mm (21.3 × 23.7 × 10.7 in)
- ❖ **Paper Weight:**
60 - 105 g/m² (16 - 28 lb.)
- ❖ **Paper Size:**
A5 (Long edge feed) - A3, 8¹/₂ × 11 - 11 × 17 (Short edge feed)

Paper Bank Type 7300 (Large Capacity Tray)

- ❖ **Dimensions (W × D × H):**
540 × 600 × 270 mm (21.3 × 23.7 × 10.7 in)
- ❖ **Paper Weight:**
60 - 105 g/m² (16 - 28 lb.)
- ❖ **Paper Size:**
A4 (Long edge feed) or 8¹/₂ × 11 (Short edge feed)

SR960 (2 Tray Finisher)

- ❖ **Dimensions (W × D × H):**
680 × 620 × 1,030 mm (26.8 × 24.4 × 40.6 in)
- ❖ **Paper Size:**
A5 (Long edge feed) - A3, 8¹/₂ × 11 - 11 × 17 (Short edge feed)
- ❖ **Paper Weight:**
60 - 105 g/m² (16 - 28 lb.)

❖ **Stack Capacity:**

- Upper Tray:
500 sheets (A4/11 × 8¹/₂/B5/A5 (Long edge feed) - 80 g/m², 20 lb.)
- Lower Tray
2,000 sheets (A4/11 × 8¹/₂ (Long edge feed) - 80 g/m², 20 lb.)
750 sheets (A3, B4, A4 (Short edge feed), B5, 8¹/₂ × 14, 11 × 17, 8¹/₂ × 11 (Short edge feed))
500 sheets (A5 (Long edge feed))

❖ **Weight:**

53 kg (116.9 lb.)

SR950 (Booklet Finisher)

❖ **Dimensions (W × D × H):**

695×603×932 mm (27.3×23.7×36.7 in)

❖ **Paper Size:**

A5 (Long edge feed) - A3, 8¹/₂×14 - 11×17, B5 (Short edge feed)

❖ **Paper Weight:**

64 - 128 g/m² (17 - 34.1 lb.)

❖ **Stack Capacity:**

- No Staple:
 - 1000 sheets (A4, A5, Letter)
 - 500 sheets (A3, B4, 11 × 17, Legal)
- Staple:
 - 1000 sheets (A4, A5, Letter)
 - 500 sheets (A3, B4, 11 × 17, Legal)
 - Or 30 sets (A3, B4, A4, A5, 11 × 17, Legal, Letter)

❖ **Staple Capacity:**

- 50 sheets (A4, A5, Letter)
- 25 sheets (A3, B4, 11 × 17, Legal)

❖ **Staple Paper Size:**

- A3/A4/B4/B5/11 × 17/Legal/Letter (Short edge feed)
- A4/B5/Letter (Long edge feed)

❖ **Staple Position:**

- 1 staple/2 positions
- 2 staples/2 positions

❖ **Power Consumption:**

60 W

Duplex Unit Type 7100

❖ **Dimensions (W × D × H):**

90×524×430 mm (3.6×20.7×17.0 in)

(Including the duplex reversal unit and duplex reversal unit stand)

❖ **Paper Size:**

A5 (Long edge feed) - A3, 17×11 - 12×18 (Long edge feed)

❖ **Weight:**

8 kg (3.6 lb.)

Printer Hard Disk Type 7100

❖ **Storage Capacity (Formatted):**

40 GB

- Spool print data to collate
- Spool Sample/Locked Print data
- Store PostScript fonts
- Store log data

 **Note**

- You can install PostScript fonts using the optional hard disk drive. With Macintosh, supported fonts are PostScript Type 1 and PostScript Type 2. To download them, use Printer Utility for Mac.
-

Memory Unit Type C 64/128/256MB

❖ **Module Type:**

SO-DIMM (Small Outline Dual-in-line Memory Module)

❖ **Memory Type:**

SDRAM (Synchronous Dynamic RAM)

❖ **Number of Pins:**

144 pins

IEEE 1394 Interface Board Type B

- ❖ **Interface:**
IEEE Std. 1394-1955 compliant, 1394a-2000 compliant.
- ❖ **Interface Connector:**
IEEE 1394 (6 × 2 pins)
- ❖ **Required Cable:**
IEEE 1394 interface cable (6 × 4 pins, 6 × 6 pins)
- ❖ **Important**
 - You cannot plug devices together to create loops.
 - Do not use a cable that is more than 4.5 meters long.
- ❖ **Connectable number of devices in a bus:**
Maximum 63
- ❖ **Allowed cable hops in a bus:**
Maximum 16
- ❖ **Data Transmission:**
400 Mbps (Maximum)
- ❖ **Power Supply:**
No separate power supply
Cable Power repeated (IEEE 1394a-2000 compliant)

IEEE 1284 Interface Board Type A

- ❖ **Transmission Spec.:**
IEEE 1284
- ❖ **Required Cable**
Standard IEEE 1284 compliant Micro Centronics 36 pin cable

IEEE 802.11b Interface Unit Type H

❖ Transmission Spec.:

Based on IEEE 802.11b (wireless LAN)

❖ Protocol:

TCP/IP, IPX/SPX, AppleTalk

 Note

RPDL and Web Image Monitor are supported.

❖ Data Transfer Speed:

1 Mbps, 2 Mbps, 5.5 Mbps, 11 Mbps
(auto selected)

❖ Frequency Range:

- Inch version:
2412-2462 Mhz (1-11 channels)
- Metric version:
2412-2472 Mhz (1-13 channels)

❖ Transmittable Distance:

1 Mbps 400 m ^{*1}
2 Mbps 270 m ^{*1}
5.5 Mbps 200 m ^{*1}
11 Mbps 140 m ^{*1}

^{*1} These figures are a guideline for outdoor use. In general, the transmittable distance indoors is 10-100 m, depending on the environment.

❖ Transmission Mode:

ad hoc and infrastructure mode

Bluetooth Interface Unit Type 3245

❖ Supported Profiles:

- SPP (Serial Port Profile)
- HCRP (Hardcopy Cable Replacement Profile)
- BIP (Basic Imaging Profile)

❖ Frequency Range:

2 GHz ISM band

❖ Data Transmission Speed:

732 kbps

 Note

- ❑ The transmission speed is adjusted according to factors such as the distance and obstacles between the devices, radio signal condition and Bluetooth adaptor.

❖ Maximum Range:

10 m

Gigabit Ethernet Type 7300

❖ Interface Connector:

- Ethernet (10Base-T, 100Base-TX, 1000Base-T)
- USB 2.0
It requires a USB computer port and cable that support USB 2.0.

❖ Data Transmission Speed:

- Ethernet: 1000 Mbps, 100 Mbps, 10 Mbps
- USB: 480 Mbps(High speed: USB 2.0), 12 Mbps(Full speed)

❖ Protocol:

TCP/IP, IPX/SPX, AppleTalk

❖ Distance Between Devices:

- Ethernet: 100 m
- USB: 5 m

USB Host Interface Unit Type 7300

❖ Interface Connector:

USB 2.0 host interface A type

❖ Data Transmission Speed:

12 Mbps(Full speed)

❖ Distance Between Devices:

5 m

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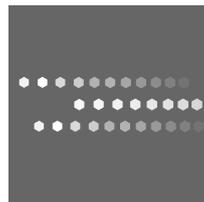
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