Pro C7100S/C7100SX/C7110S/C7110SX / Pro C7100/C7100X/C7110/C7110X

Operating Instructions

Replacement Guide: TCRU/ORU

Read This First	4
Introduction	4
How to Read This Manual	4
Symbols	4
Disclaimer	5
Power Switch Symbols	5
Safety During Operation	5
Safety Precautions to Be Followed	5
Environments Where the Machine Can be Used	5
Handling power cords and power plugs	6
Handling the main machine	8
Handling the machine's interior	10
Handling the machine's supplies	11
Where to place CAUTION labels	13
Before You Begin	15
What You Need	15
Maintenance Kits	15
General Cautions	17
Names of Components	18
Control Panel	19
Turning Off/On the Power	20
Turning Off the Main Power	20
Turning On the Main Power	20
Specifying System Auto-Reset Timer	22
Preparation	23
Resetting the Replaceable Parts Counter	24
Replacing the Paper Feed Rollers	26
Before You Begin	26
Tray Names	26
Position of the Paper Feed Rollers	27
Replaceable Parts	27
Replacing the Rollers in Tray 1	30
Replacing the Rollers in Tray 2	35
Replacing the Rollers in the Wide LCT	40
Replacing the Rollers in the Wide LCT 3	40
Replacing the Rollers in the Wide LCT 4/5	43

Replacing the Rollers in the Bypass Tray	49
Replacing the Rollers in the ADF	53
Development Unit	61
Before You Begin	61
Replaceable Parts	61
Replacing the Charger Unit/Cleaning Unit for Photoconductor Unit/P	Photoconductor Unit
	63
ITB Cleaning Unit	70
Before You Begin	70
Replaceable Parts	70
Replacing the ITB Cleaning Unit	71
Paper Transfer Unit	83
Before You Begin	83
Replaceable Parts	83
Replacing the Paper Transfer Unit	84
Fuser Unit	88
Before You Begin	88
Replaceable Parts	88
Replacing the Fusing Belt Smoothing Roller	90
Replacing the Fuser Cleaning Unit/Fuser Unit	
Fifth Station	102
Before You Begin	102
What You Need	103
Changing Special Toner Color	106
Toner Bottle	
Before You Begin	
Replaceable Parts	
Replacing the Toner Bottle	

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 guick reference.

This manual is only for operators who have received proper training.

- Never perform any procedure in this manual if you have not received proper training.
- If you have received training and are not sure how to perform a procedure, call your service representative.
- Even if you have received training, never attempt any procedure that is not shown in this manual.
- The contents of this manual are subject to change without prior notice. In no event will the company be liable for direct, indirect, special, incidental, or consequential damages as a result of handling or operating this machine.

How to Read This Manual

Symbols

This manual uses the following symbols:



Indicates points to pay attention to when using the machine, and explanations of likely causes of paper misfeeds, damage to originals, or loss of data. Be sure to read these explanations.



Indicates supplementary explanations of the machine's functions, and instructions on resolving user errors.

■ Reference

This symbol is located at the end of sections. It indicates where you can find further relevant information.

[]

Indicates the names of keys on the machine's display or control panels.

Disclaimer

Contents of this manual are subject to change without prior notice.

In no event will the company be liable for direct, indirect, special, incidental, or consequential damages as a result of handling or operating the machine.

Power Switch Symbols

The meanings of the symbols for the switches on this machine are as follows:

I : POWER ONO : POWER OFFU : STANDBY

Safety During Operation

In this manual, the following important symbols are used:

MARNING

Indicates a potentially hazardous situation which, if instructions are not followed, could result in death or serious injury.

ACAUTION

Indicates a potentially hazardous situation which, if instructions are not followed, may result in minor or moderate injury or damage to property.

Safety Precautions to Be Followed

Environments Where the Machine Can be Used

⚠ WARNING

 Do not use flammable sprays or solvents in the vicinity of this machine. Also, avoid placing these items in the vicinity of this machine. Doing so could result in fire or electric shock.

Do not place vases, plant pots, cups, toiletries, medicines, small metal objects, or containers holding water or any other liquids, on or close to this machine. Fire or electric shock could result from spillage or if such objects or substances fall inside this machine.

ACAUTION

- Keep the machine away from humidity and dust. Otherwise a fire or an electric shock might occur.
- Do not place the machine on an unstable or tilted surface. If it topples over, an injury might occur.
- Do not obstruct the machine's vents. Doing so risks fire caused by overheated internal components.
- Do not place heavy objects on the machine. Doing so can cause the machine to topple over, possibly resulting in injury.
- Make sure the room where you are using the machine is well ventilated and spacious. Good ventilation is especially important when the machine is used heavily.

Handling power cords and power plugs

- Do not use any power sources other than those that match the specifications shown. Doing so could result in fire or electric shock.
- Do not use any frequencies other than those that match the specifications shown.
 Doing so could result in fire or electric shock.
- Do not use multi-socket adaptors. Doing so could result in fire or electric shock.

- Do not use extension cords. Doing so could result in fire or electric shock.
- Do not use power cords that are damaged, broken, or modified. Also, do not use power cords that have been trapped under heavy objects, pulled hard, or bent severely. Doing so could result in fire or electric shock.
- It is dangerous to handle the power cord plug with wet hands. Doing so could result in electric shock.
- Touching the prongs of the power cable's plug with anything metallic constitutes a fire and electric shock hazard.
- The supplied power cord is for use with this machine only. Do not use it with other appliances. Doing so could result in fire or electric shock.
- If the power cord is damaged and its inner wires are exposed or broken, contact your service representative for a replacement. Use of damaged power cords could result in fire or electric shock.
- Be sure to disconnect the plug from the wall outlet at least once a year and check for the following:
 - There are burn marks on the plug.
 - The prongs on the plug are deformed.
- If any of the above conditions exist, do not use the plug and consult your dealer or service representative. Use of the plug could result in fire or electric shock.

- Be sure to disconnect the power cord from the wall outlet at least once a year and check for the following:
 - The power cord's inner wires are exposed, broken, etc.
 - The power cord's coating has a crack or dent.
 - When bending the power cord, the power turns off and on.
 - Part of the power cord becomes hot.
 - The power cord is damaged.
- If any of the above conditions exist, do not use the power cord and consult your dealer or service representative. Use of the power cord could result in fire or electric shock.

ACAUTION

- When disconnecting the power cord from the wall outlet, always pull the plug, not the cord. Pulling the cord can damage the power cord. Use of damaged power cords could result in fire or electric shock.
- Be sure to push the plug of the power cord fully into the wall outlet. Partially inserted plugs create an unstable connection that can result in unsafe buildup of heat.
- Be sure to disconnect the plug from the wall outlet and clean the prongs and the area around the prongs at least once a year. Allowing dust to build up on the plug constitutes a fire hazard.
- If this machine is not going to be used for several days or longer at a time, disconnect its power cord from the wall outlet.
- When performing maintenance on the machine, always disconnect the power cord from the wall outlet.

Handling the main machine

⚠ WARNING

- The following explains the warning messages on the plastic bag used in this product's packaging.
 - Keep the polythene materials (bags, etc.) supplied with this machine away from babies and small children at all times. Suffocation can result if polythene materials are brought into contact with the mouth or nose.
- Be sure to locate the machine as close as possible to a wall outlet. This will allow easy disconnection of the power cord in the event of an emergency.
- If the machine emits smoke or odours, or if it behaves unusually, you must turn off its power immediately. After turning off the power, be sure to disconnect the power cord plug from the wall outlet. Then contact your service representative and report the problem. Do not use the machine. Doing so could result in fire or electric shock.
- If metal objects, or water or other fluids fall inside this machine, you must turn off its power immediately. After turning off the power, be sure to disconnect the power cord plug from the wall outlet. Then contact your service representative and report the problem. Do not use the machine. Doing so could result in fire or electric shock.
- Do not touch this machine if a lightning strike occurs in the immediate vicinity. Doing so could result in electric shock.

CAUTION

- Unplug the power cord from the wall outlet before you move the machine. While
 moving the machine, take care that the power cord is not damaged under the
 machine. Failing to take these precautions could result in fire or electric shock.
- After you move the machine, use the caster fixture to fix it in place. Otherwise the machine might move or come down to cause an injury.

- Contact your service representative if you need to lift the machine (such as when relocating it to another floor). Do not attempt to lift the machine without the assistance of your service representative. The machine will be damaged if it topples or is dropped, resulting in malfunction and risk of injury to users. The machine's various handling areas are for service engineer use only. Do not touch these areas.
- Do not hold the control panel while moving the machine. Doing so may damage the control panel, cause a malfunction, or result in injury.
- Keep your hands away from the hinges and exposure glass when lowering the ADF.
 Not doing so result in an injury if your hands or fingers are pinched.

Handling the machine's interior

MARNING

- Do not remove any covers or screws other than those explicitly mentioned in this manual. Inside this machine are high voltage components that are an electric shock hazard and laser components that could cause blindness. Contact your sales or service representative if any of the machine's internal components require maintenance, adjustment, or repair.
- Do not attempt to disassemble or modify this machine. Doing so risks burns and electric shock. Note again that exposure to the laser components inside this machine risks blindness.

⚠ CAUTION

- Some of this machine's internal components get very hot. For this reason, take care when removing misfed paper. Not doing so could result in burns.
- When removing jammed paper, make sure not to trap or injure your fingers.
- When loading paper, take care not to trap or injure your fingers.

- Keep your hands clear of the booklet finisher tray when removing misfed paper, pulling out or pushing in the finisher's staple unit. You can trap and injure your fingers if you do not.
- While safety measures have been installed to prevent accidents, you must not touch the machine's rollers while it is operating. Doing so could cause injury.
- If the machine's interior is not cleaned regularly, dust will accumulate. Fire and breakdown can result from heavy accumulation of dust inside this machine. Contact your sales or service representative for details about and charges for cleaning the machine's interior.

Handling the machine's supplies

MARNING

- Do not incinerate toner (new or used) or toner containers. Doing so risks burns.
 Toner will ignite on contact with naked flame.
- Do not store toner (new or used) or toner containers anywhere near naked flames.
 Doing so risks fire and burns. Toner will ignite on contact with naked flame.
- Do not use a vacuum cleaner to remove spilled toner (including used toner). Absorbed toner may cause a fire or explosion due to electrical contact flickering inside the vacuum cleaner. However, it is possible to use a vacuum cleaner that is explosion-proof and dust ignition-proof. If toner is spilled on the floor, remove the spilled toner slowly using a wet cloth, so that the toner is not scattered.
- The following explains the warning messages on the plastic bag used in this product's packaging.
 - Keep the polythene materials (bags, etc.) supplied with this machine away from babies and small children at all times. Suffocation can result if polythene materials are brought into contact with the mouth or nose.

CAUTION

- The fusing unit becomes extremely hot during operation. To prevent minor burns,
 allow the machine to cool for at least 30 minutes before you remove the fusing unit.
- The fusing unit weighs approximately around 20.0 kg (44.1 lb).
- When moving the fusing unit, lift it slowly and be careful not to strain yourself.
 Careless handling or over-exertion when lifting can result in breakage of the unit or injury to yourself.
- Do not crush or squeeze toner containers. Doing so can cause toner spillage, possibly resulting in dirtying of skin, clothing, and floor, and accidental ingestion.
- Store toner (new or used), toner containers, and components that have been in contact with toner 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 toner or used toner gets into your eyes, flush immediately with large amounts of water. Consult a doctor if necessary.
- If toner or used toner is swallowed, dilute by drinking a large amount of water.
 Consult a doctor if necessary.
- When removing jammed paper or replacing toner, avoid getting toner (new or used) on your clothing. If toner comes into contact with your clothing, wash the stained area with cold water. Hot water will set the toner into the fabric and make removing the stain impossible.

- When removing jammed paper or replacing toner, avoid getting toner (new or used) on your skin. If toner comes into contact with your skin, wash the affected area thoroughly with soap and water.
- When replacing a toner or waste toner container or consumables with toner, make sure that the toner does not splatter. Put the waste consumables in a bag after they are removed. For consumables with a lid, make sure that the lid is shut.

SAFETY AND ECOLOGICAL NOTES FOR DISPOSAL

- Do not incinerate toner bottles or used toner. Toner dust may ignite suddenly when exposed to an open flame.
- 2. Dispose of used toner and organic photoconductors in accordance with local regulations. (These are non-toxic supplies.)
- 3. Dispose of replaced parts in accordance with local regulations.

Disposing of used toner

This section describes what to do with used toner.

Toner cannot be re-used.

Pack used toner containers in the container's box or a bag to prevent the toner from leaking out of the container when you dispose of it.

Region A (mainly Europe and Asia)

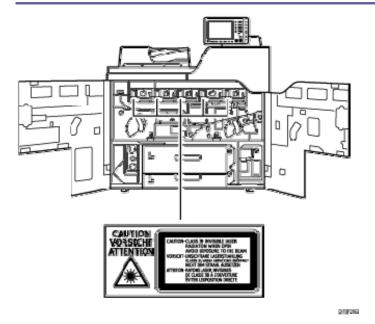
If you want to discard your used toner container, please contact your local sales office. If you discard it by yourself, treat it as general plastic waste material.

Region B (mainly North America)

Please see our local company website for information on the recycling of supply products, or you can recycle items according to the requirements of your local municipalities or private recyclers.

Where to place CAUTION labels

This machine has labels for \triangle CAUTION at the positions shown below. For safety, please follow the instructions and handle the machine as indicated.



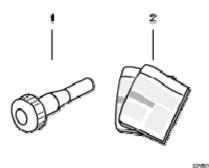
This label is meant for customer engineers.

Do not remove any covers or screws other than those explicitly mentioned in this manual.

Before You Begin

What You Need

Use only the tools and materials described in this manual. Using other tools or materials could damage the machine or cause injury.



1. Hex screwdriver

Use this to remove black hexagonal-head screws from the machine.

2. Newspaper or other paper

To prevent toner and other stains getting on the floor, spread sheets of paper out where you intend to place the removed parts.

Maintenance Kits

The following maintenance kits are available. The parts to be replaced are different for each type.

TCRU/ORU Type (Set A)

- Charger unit
- PCU cleaning unit
- Photoconductor unit

Each of the above parts is supplied as a group of four that corresponds to the four toner colors.

- ITB cleaning unit
- Fuser cleaning unit
- Fuser belt smoothing roller
- Paper feed rollers
- Paper transfer unit

Before You Begin

- Blower brush
- Snap rings
- Screws
- Screwdriver
- Drum setting powder pad applicator
 A customer engineer will use this part.

TCRU/ORU Type (Set B)

Fuser unit

TCRU/ORU Type (Set C)

This set is only required for users of Fifth station and will be replaced by the customer engineer.

- Charger unit
- PCU cleaning unit
- Photoconductor unit

5th Station Replacement Kit Type S3

Only multiple Fifth Station users need this set.

- Storage box
- Development unit
- Development plate
- Sub-hopper unit
- Sub-hopper plate
- The Fifth Station Toner Cartridge Replacement Tool

General Cautions



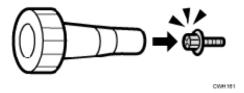
Never remove any screw unless you are instructed to do so.

Handles and levers

 Purple handles and levers are for pulling or lifting parts when you move or remove them. Purple labels on parts indicate exactly where to hold the parts when pulling or lifting them.

Screws

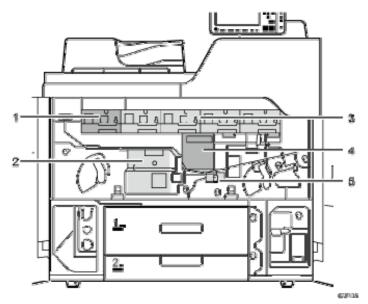
- Replaceable components are secured with black screws. Never remove screws that are not black.
- The hex screwdriver is used to clench the heads of screws, so that they do not drop into the machine during removal.



Names of Components

MARNING

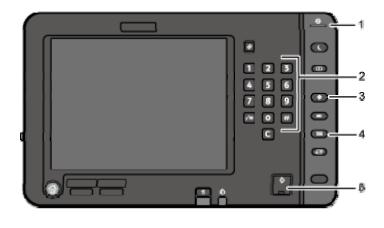
- Do not remove any covers or screws other than those explicitly mentioned in this manual. Inside this machine are high voltage components that are an electric shock hazard and laser components that could cause blindness. Contact your sales or service representative if any of the machine's internal components require maintenance, adjustment, or repair.
- Do not attempt to disassemble or modify this machine. Doing so risks burns and electric shock. Note again that exposure to the laser components inside this machine risks blindness.



- 1. Development unit (Fifth Station)
- 2. Fuser unit
- 3. Development unit (Yellow, Magenta, Cyan, and Black)
- 4. Cleaning unit for intermediate transfer belt (ITB cleaning unit)
- 5. Paper transfer unit

Control Panel

Pro C7100/Pro C7100X/Pro C7110/Pro C7110X



Pro C7100S/Pro C7100SX/Pro C7110S/Pro C7110SX



COOMS

- 1. Main power indicator
- 2. Number keys
- 3. [User Tools] key
- 4. [Counter] key
- 5. [Start] key

19

Turning Off/On the Power

Important

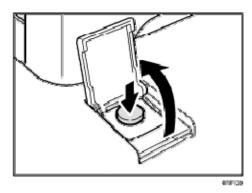
 Turn off the main power before carrying out any of the operations described in this manual

The main power switch is on the left side of the machine. When this switch is turned on, the main power turns on and the main power indicator lights up. When this switch is turned off, the main power turns off and the main power indicator goes out.

Turning Off the Main Power

Mportant)

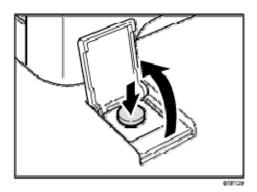
- Do not turn off the power while the machine is in operation.
- Do not hold down the main power switch while turning off the main power. Doing so forcibly turns off the machine's power and may damage the hard disk or memory and cause malfunctions.
- 1. Open the main power switch cover, and then push the main power switch.



The main power indicator goes out.

Turning On the Main Power

1. Open the main power switch cover, and push the main power switch.



The main power indicator goes on.



- After you switch the main power on, a screen may appear to indicate that the machine is initializing. Do not switch the power off during this process. Initialization takes about 13 minutes.
- If the machine does not turn on even if you press the main power switch, open the front left covers and make sure that the AC power switch is turned on. For details about the AC power switch, see "Dos and Don'ts", About This Machine.

Specifying System Auto-Reset Timer

To prevent the machine from switching screens while you are replacing parts, set [System Auto Reset Timer] to "Off". After replacing the parts return the setting to "On", if necessary.

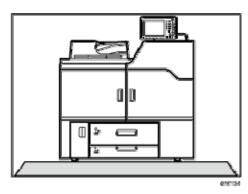


 For details about changing this setting, see Connecting the Machine/System Settings, which is supplied with this machine.

Preparation

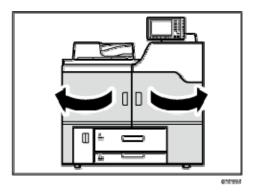
Spread newspaper or other paper in front of the machine before removing any parts.

The newspaper or other paper will catch small amounts of toner or shreds of dry lubricant that may fall out of the photoconductor units when they are removed.



Resetting the Replaceable Parts Counter

1. Open the front covers.



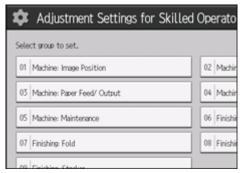
2. Turn the machine on.

See page 20 "Turning Off/On the Power".

3. Access the Adjustment Settings for Skilled Operators menu.

See "Adjustment Settings for Skilled Operators", Adjustment Item Menu Guide: TCRU/ORU.

4. Press [Machine:Maintenance].



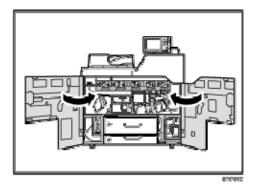
5. Press [Reset Replaceable Parts Counter].



6. Press the button of the part that has been replaced.



7. Press [OK], and then close the front covers.

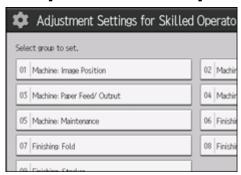


The counter for the replaced component is reset. The setting for adjusting the machine for the replaced component is executed automatically.

8. Access the Adjustment Settings for Skilled Operators menu.

See "Adjustment Settings for Skilled Operators", Adjustment Item Menu Guide: TCRU/ORU.

9. Press [Machine:Maintenance].



10. Press [Estimated Life Already Used].



11. Make sure the counter has been reset.

Replacing the Paper Feed Rollers

Before You Begin

Mportant)

- The three rollers must be replaced together.
- Handle new rollers carefully and avoid touching their surfaces with bare hands.
- If you lose a snap ring, contact your service representative.

What You Need

Hex screwdriver

Time for Replacement

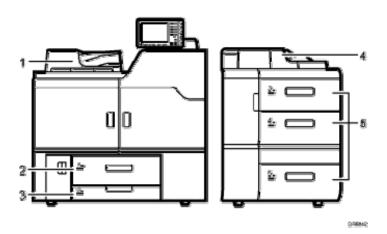
A message will appear when it nears the time to replace a component.

Print the counter list.

1. Press the [Counter] key and print out the counter list.

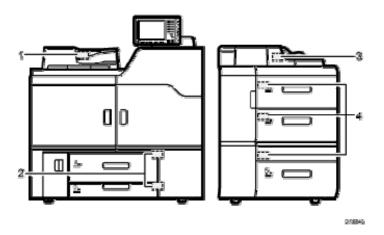
See page 19 "Control Panel".

Tray Names



- 1. ADF
- 2. Tray 1
- 3. Tray 2
- 4. Multi bypass tray
- 5. Tray 3-5 (wide LCT)

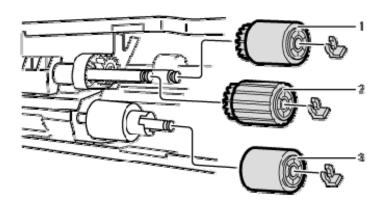
Position of the Paper Feed Rollers



- 1. ADF
- 2. Trays 1-2
- 3. Multi bypass tray
- 4. Tray 3-5 (wide LCT)

Replaceable Parts

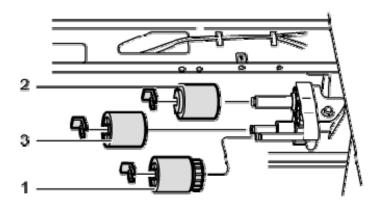
Trays 1-2



4000193

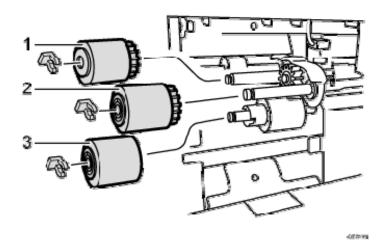
- 1. Feed roller
- 2. Pick-up roller
- 3. Separation roller

Trays 3-5 (Wide LCT)



- 1. Pick-up roller
- 2. Feed roller
- 3. Separation roller

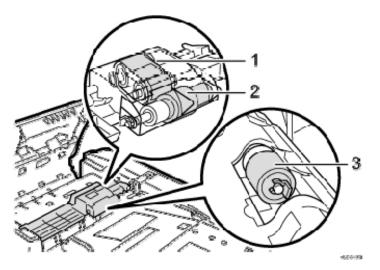
Multi bypass tray



- 1. Feed roller
- 2. Pick-up roller
- 3. Separation roller

ADF

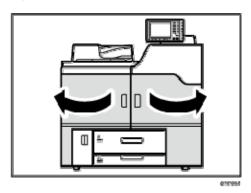
28



- 1. Paper feed belt
- 2. Pick-up roller
- 3. Separation roller

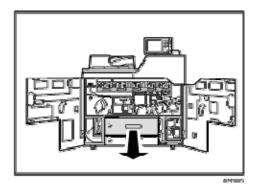
Replacing the Rollers in Tray 1

1. Open the front covers.

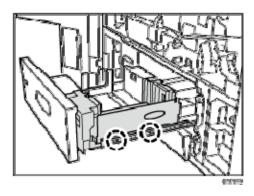


2. Pull open the tray until it stops.

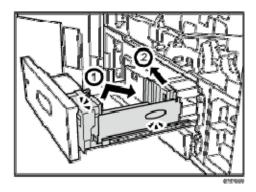
Remove any paper in the tray.

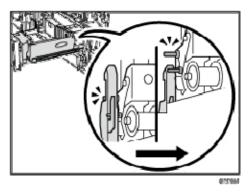


3. Remove the 2 screws.

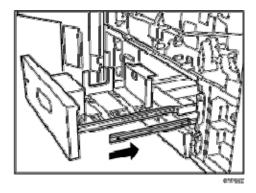


4. Push the tray in while lifting its front part slightly, disengage the lock, and then detach the tray.



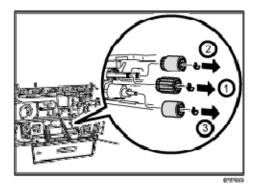


5. Push the guide rail back into the machine.



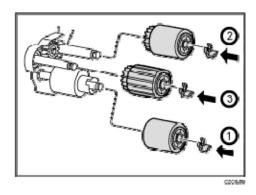
6. Remove the paper feed roller in the following order:

- (1) Pick-up roller snap ring and roller
- (2) Feed roller snap ring and roller
- (3) Separation snap ring and roller

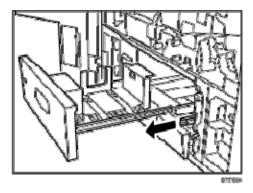


7. Attach the new paper feed roller in the following order:

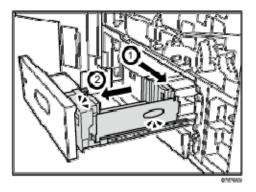
- (1) Separation snap ring and roller
- (2) Feed roller snap ring and roller
- (3) Pick-up roller snap ring and roller



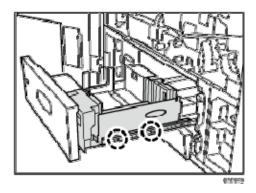
8. Pull out the guide rails.



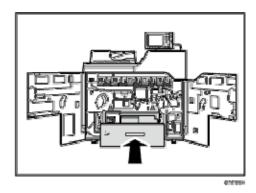
9. Engage the tray with the guide rails' thread holes.



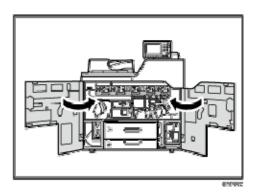
10. Secure the tray with the 2 screws.



11. Push the tray back into the machine.



12. Close the front covers.

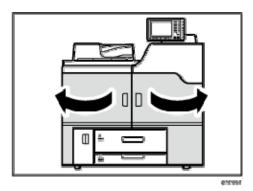


13. Reset the counter for replaceable parts.

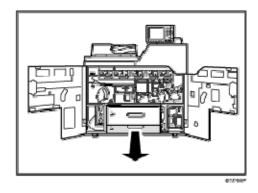
See page 24 "Resetting the Replaceable Parts Counter".

Replacing the Rollers in Tray 2

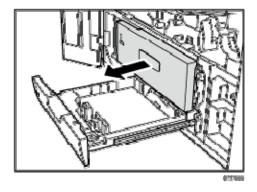
1. Open the front covers.



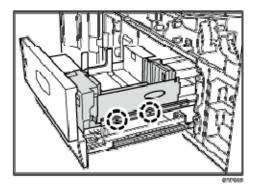
2. Pull open the tray 2 until it stops.



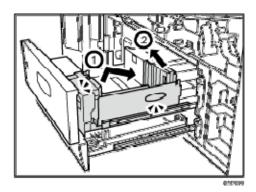
3. Pull open the tray 1 until it stops.

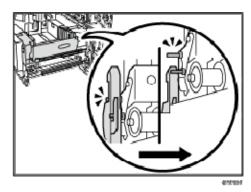


4. Remove the 2 screws.

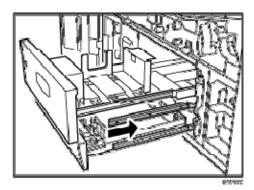


5. Push the tray in while lifting its front part slightly, disengage the lock, and then detach the tray.



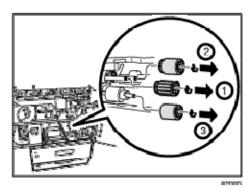


6. Push the guide rail back into the machine.



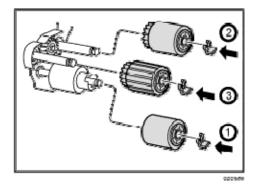
7. Remove the paper feed roller in the following order:

- (1) Snap ring and pick-up roller
- (2) Snap ring and feed roller
- (3) Snap ring and separation roller

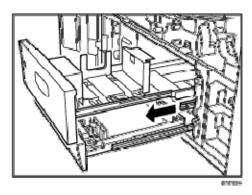


8. Attach the new paper feed roller in the following order:

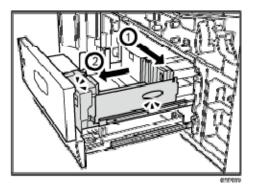
- (1) Separation roller and snap ring
- (2) Feed roller and snap ring
- (3) Pick-up roller and snap ring



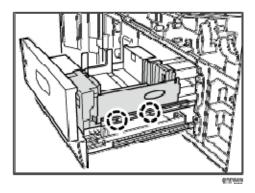
9. Pull out the guide rails.



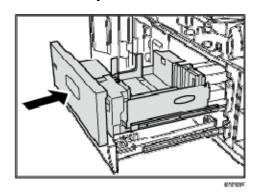
10. Engage the tray with the guide rails' thread holes.



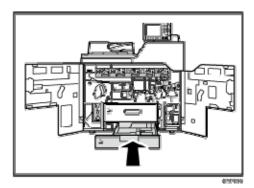
11. Secure the tray with the 2 screws.



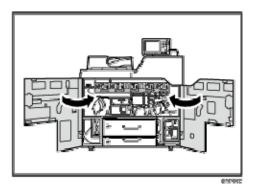
12. Push the tray 1 back into the machine.



13. Push the tray 2 back into the machine.



14. Close the front covers.



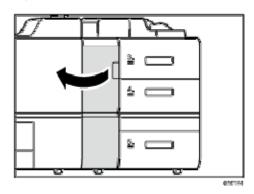
15. Reset the counter for replaceable parts.

See page 24 "Resetting the Replaceable Parts Counter".

Replacing the Rollers in the Wide LCT

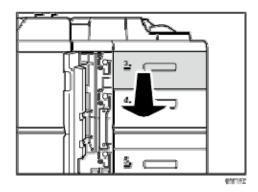
Replacing the Rollers in the Wide LCT 3

1. Open the front cover.

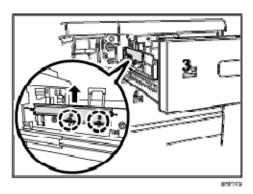


2. Pull open the tray until it stops.

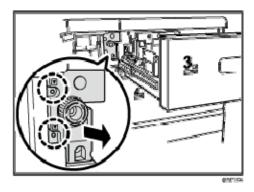
Remove any paper in the tray.



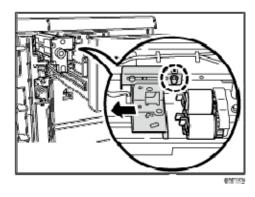
3. Remove the 2 screws, and then remove the side plate.



4. Remove the 2 screws, and then pull out the paper feed unit until it stops.

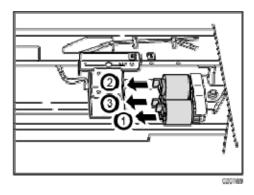


5. Remove the screw, and then slide the bracket.



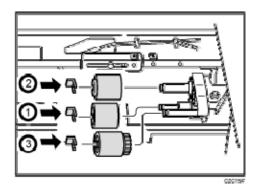
6. Remove the paper feed roller in the following order:

- (1) Snap ring and pick-up roller
- (2) Snap ring and feed roller
- (3) Snap ring and separation roller

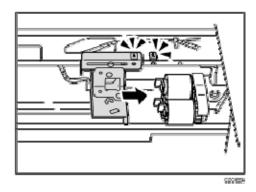


7. Attach the new paper feed roller in the following order:

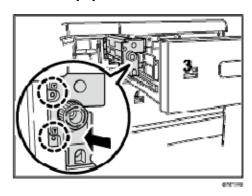
- (1) Separation roller and snap ring
- (2) Feed roller and snap ring
- (3) Pick-up roller and snap ring



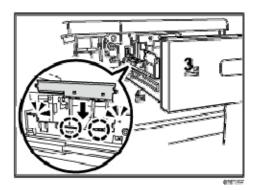
8. Slide the bracket back to its original position, and then secure it with the screw.

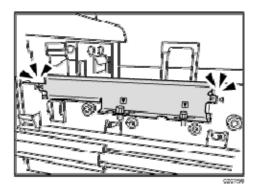


9. Push the paper feed unit into the machine, and then secure it with the 2 screws.

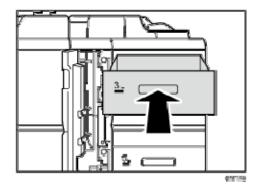


10. Align the markers, and then secure the side plate with the 2 screws.

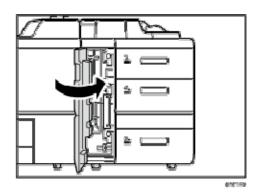




11. Push the tray back into the machine.



12. Close the front cover.

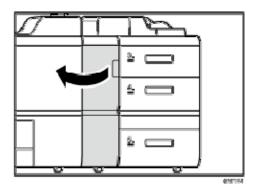


13. Reset the counter for replaceable parts.

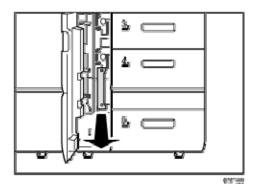
See page 24 "Resetting the Replaceable Parts Counter".

Replacing the Rollers in the Wide LCT 4/5

1. Open the front cover.

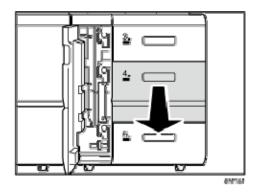


2. Remove the tab paper end fence.

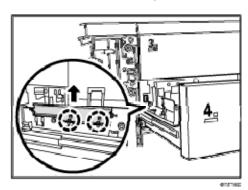


3. Pull open the tray until it stops.

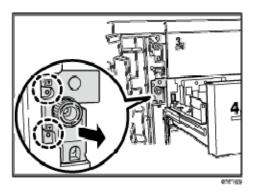
Remove any paper in the tray.



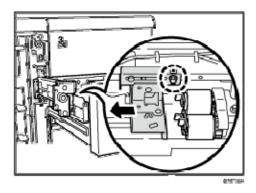
4. Remove the 2 screws, and then remove the side plate.



5. Remove the 2 screws, and then pull out the paper feed unit until it stops.

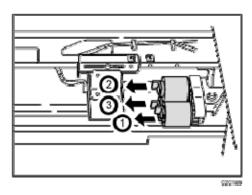


6. Remove the screw, and then slide the bracket.



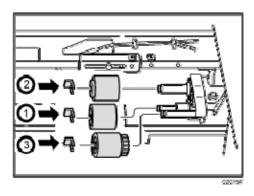
7. Remove the paper feed roller in the following order:

- (1) Snap ring and pick-up roller
- (2) Snap ring and feed roller
- (3) Snap ring and separation roller

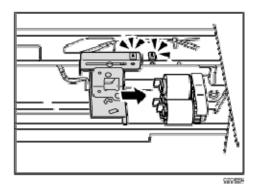


8. Attach the new paper feed roller in the following order:

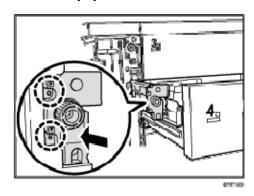
- (1) Separation roller and snap ring
- (2) Feed roller and snap ring
- (3) Pick-up roller and snap ring



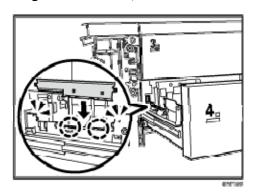
9. Slide the bracket back to its original position, and then secure it with the screw.

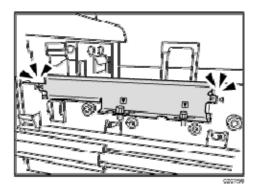


10. Push the paper feed unit into the machine, and then secure it with the 2 screws.

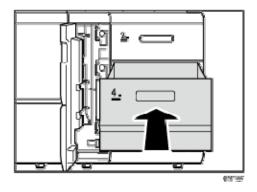


11. Align the markers, and then secure the side plate with the 2 screws.

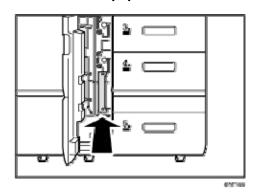




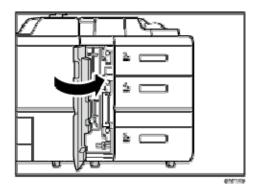
12. Push the tray back into the machine.



13. Attach the tab paper end fence.



14. Close the front cover.

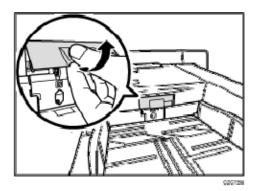


15. Reset the counter for replaceable parts.

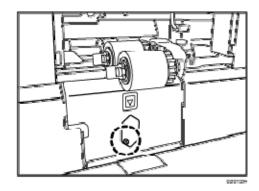
See page 24 "Resetting the Replaceable Parts Counter".

Replacing the Rollers in the Bypass Tray

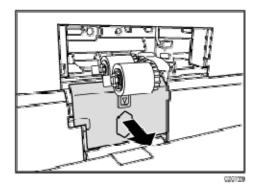
1. Remove the cover.



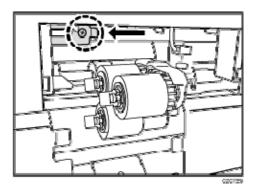
2. Remove the screw.



3. Remove the plate.

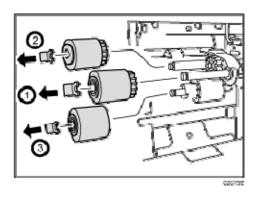


4. Remove the screw, and then slide the bracket.



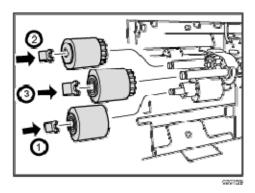
5. Remove the paper feed roller in the following order:

- (1) Snap ring and pick-up roller
- (2) Snap ring and feed roller
- (3) Snap ring and separation roller

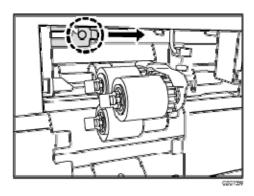


6. Attach the new paper feed roller in the following order:

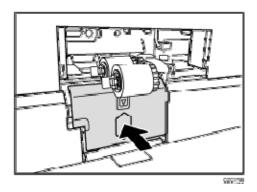
- (1) Separation roller and Snap ring
- (2) Feed roller and Snap ring
- (3) Pick-up roller and Snap ring



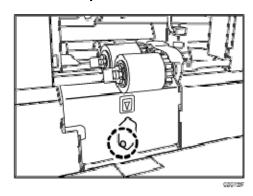
7. Slide the bracket back to its original position, and then secure it with the screw.



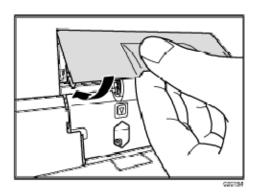
8. Attach the plate.



9. Secure the plate with the screw.



10. Attach the cover.

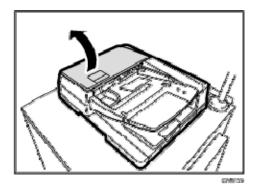


11. Reset the counter for replaceable parts.

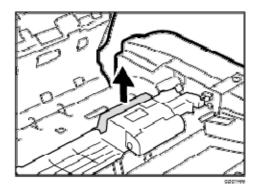
See page 24 "Resetting the Replaceable Parts Counter".

Replacing the Rollers in the ADF

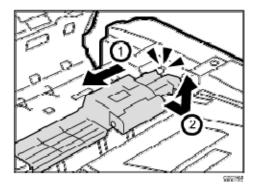
1. Open the ADF cover.



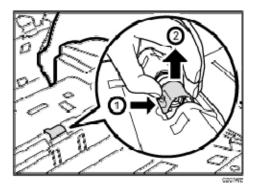
2. Remove the retaining plate.



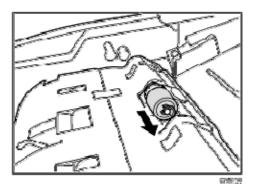
3. Pull the shaft toward the front of the machine to detach it, and then remove the paper feed unit.



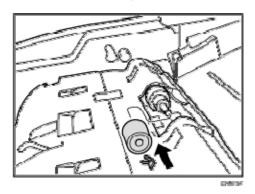
4. Remove the separation roller cover.



5. Remove the separation snap ring and roller.



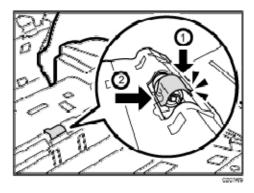
6. Mount the new separation roller and the snap ring.



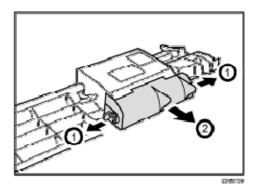
When you replace the parts, be careful not to bend the film.



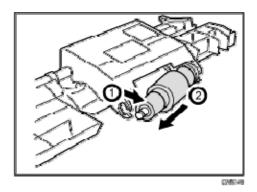
7. Attach the separation roller cover by aligning the tabs.



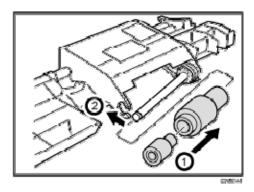
8. Remove the two pick-up roller's snap rings and bearings, and then remove the pick-up roller cover.



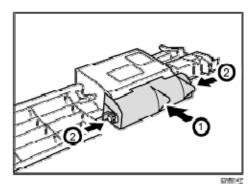
9. Disengage the shaft, remove the white component, and then remove the pick-up roller.



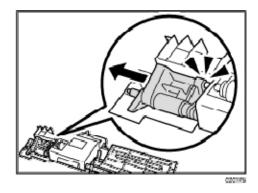
10. Mount the new pick-up roller and reattach the white component and the shaft.



11. Attach the cover, and then fit the two bearings and snap rings.

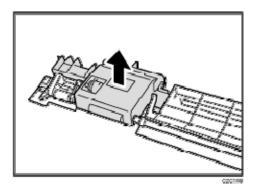


12. Pulling the white component away, disengage the projecting part from the pick-up roller.



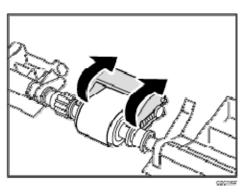
13. Remove the component containing the pick-up roller.

Be sure to disengage the projecting part before removing the component. If you try to remove it forcefully, you may damage it.

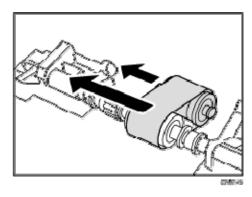


14. Remove the paper feed belt cover.

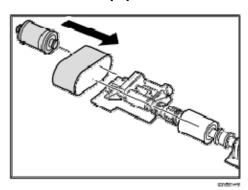
The paper feed belt cover's spring comes off easily. Be careful not to lose it.



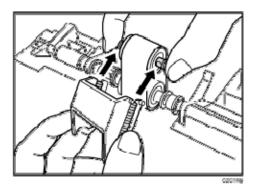
15. Remove the idler roller and the paper feed belt.



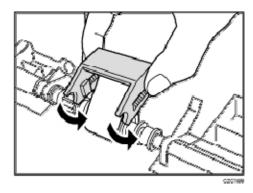
16. Install the new paper feed belt and reattach the idler roller.



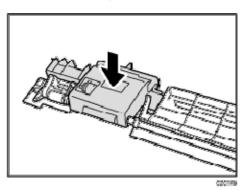
17. Insert the cover's bars into the holes in the idler roller's shaft.



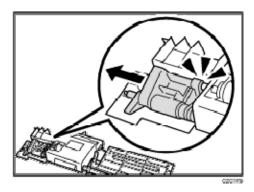
18. Attach the paper feed belt cover.



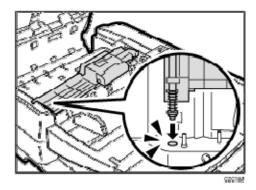
19. Attach the component containing the pick-up roller.



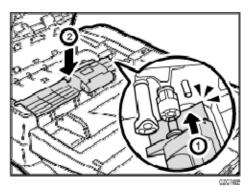
20. Pull the white component and insert the stud into the component containing the pick-up roller.



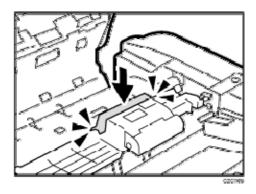
21. Insert the end of the shaft into the hole.



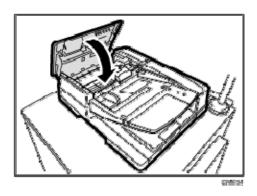
22. Install the paper feed unit by inserting the end of the shaft into the socket in the white component, making sure that the end of the shaft and the socket have the same cross-sectional shape.



23. Reattach the stopper.



24. Close the ADF cover.



25. Reset the counter for replaceable parts.

See page 24 "Resetting the Replaceable Parts Counter".

Development Unit

Before You Begin



- The surface of a drum is sensitive to light. Exposing the surface of a drum to strong light (especially direct sunlight) can permanently damage it.
- Replace the photoconductor unit or its cleaning unit with the detached charger unit.

What You Need

- Hex screwdriver
- Newspaper or other paper

Time for Replacement

A message will appear when it nears the time to replace a component.

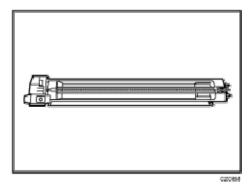
Print the counter list.

1. Press the [Counter] key and print out the counter list.

See page 19 "Control Panel".

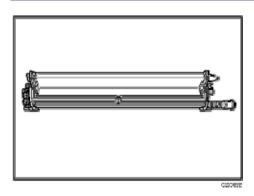
Replaceable Parts

Charger unit

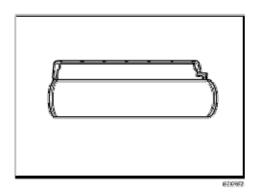


PCU cleaning unit

Development Unit

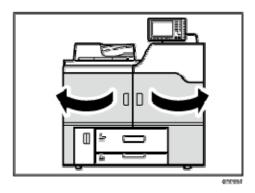


Photoconductor unit



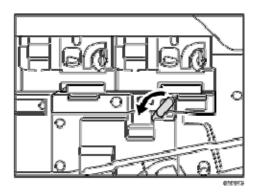
Replacing the Charger Unit/Cleaning Unit for Photoconductor Unit/Photoconductor Unit

1. Open the front covers.

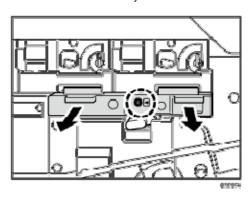


If you are replacing the units for yellow or magenta, proceed to Step 4.

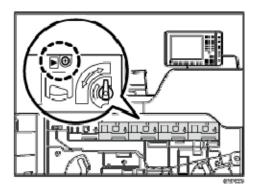
2. Pull down the lever.



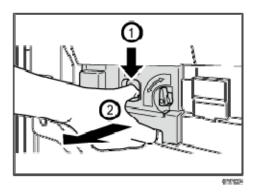
3. Remove the screw, and then remove the cover.



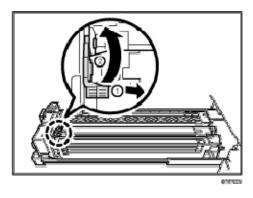
4. Remove the screw.



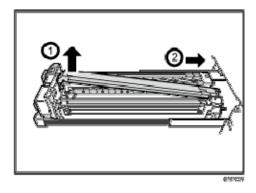
5. Push down on the lock lever and pull the PCDU out until it stops.



6. Push the lever to the rear to release it, and then pull it up.

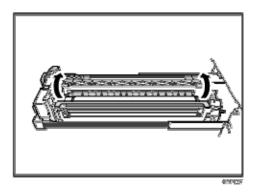


7. Remove the charger unit.

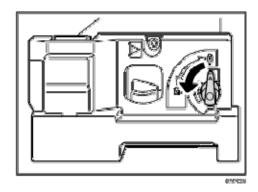


If you are replacing the charger unit only, proceed to Step 17.

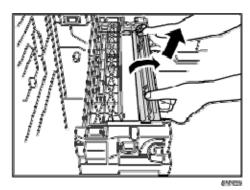
8. Rotate the handle.



9. Turn the lock lever down to unlock the PCU cleaning unit.

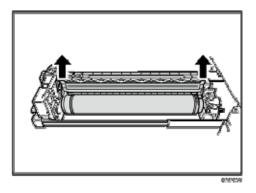


10. Remove the PDU cleaning unit.



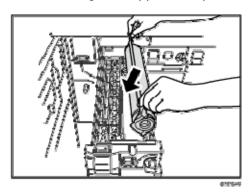
If you are replacing the PCU cleaning unit only, proceed to Step 13.

11. Pull out the photoconductor unit.

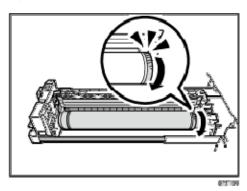


12. Attach the new photoconductor unit.

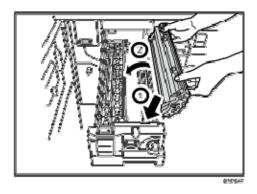
Check whether powder has been applied to the photoconductor drum surface. The customer engineer applies the powder.



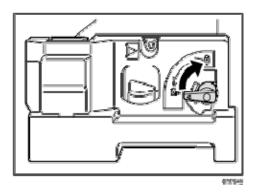
13. If the photoconductor unit is not new, hold its flange and rotate it toward yourself by 30 degrees.



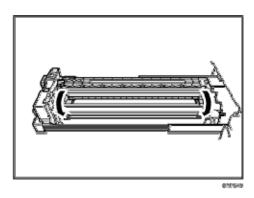
14. Attach the new PCU cleaning unit.



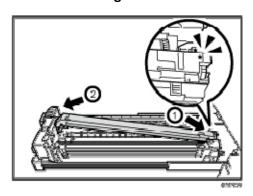
15. Pull up the lock lever to lock the PCU cleaning unit.



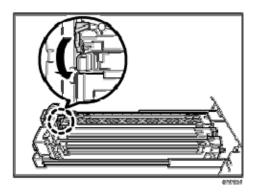
16. Rotate the handle.



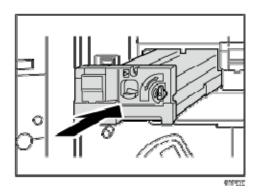
17. Attach the charger unit.



18. Pull down the charger unit lock lever to the locked position.

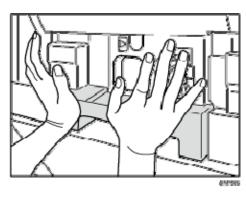


19. Push the PCDU into the machine.

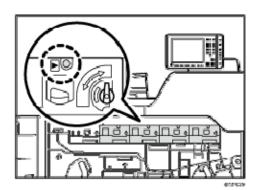


Push it in slowly until it clicks.

Do not push the upper or center part of the PCDU.

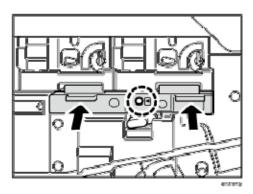


20. Secure the PCDU with the screw.

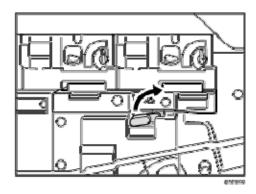


If you replaced the units for yellow or magenta, proceed to Step 23.

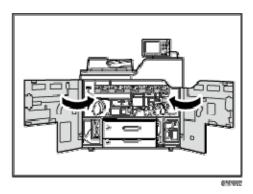
21. Attach the cover, and then secure it with the screw.



22. Pull the lever up.



23. Close the front covers.



24. Reset the counter for replaceable parts.

See page 24 "Resetting the Replaceable Parts Counter".

ITB Cleaning Unit

Before You Begin



 The ITB cleaning unit requires lubrication as part of its replacement. Lubricate the cleaning unit for the photoconductor unit and intermediate transfer belt that are detached.

What You Need

- Hex screwdriver
- Newspaper or other paper

Time for Replacement

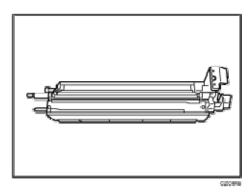
A message will appear when it nears the time to replace a component.

Print the counter list.

1. Press the [Counter] key and print out the counter list.

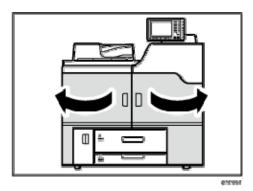
See page 19 "Control Panel".

Replaceable Parts

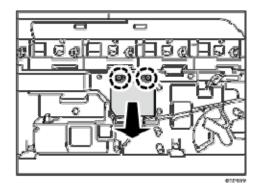


Replacing the ITB Cleaning Unit

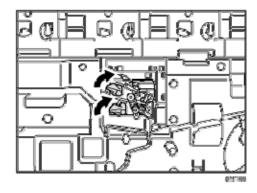
1. Open the front covers.



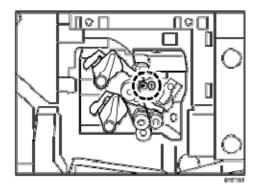
2. Remove the 2 screws, and then remove the cover.



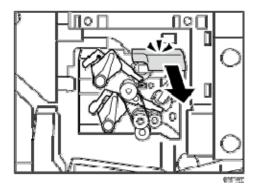
3. Pull up the 2 levers.



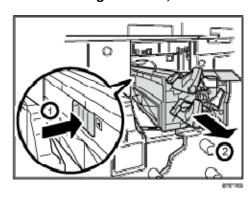
4. Remove the screw.



5. Holding the grip, pull out the ITB cleaning unit until it stops.

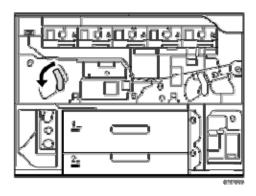


6. While holding the latch, remove the ITB cleaning unit.

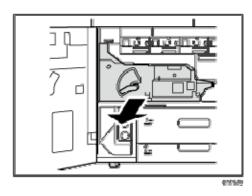


Steps 7 to 11 describe the procedure for cleaning the stained fuser unit by removing the ITB cleaning unit.

7. Pull down the lever of the fuser unit.

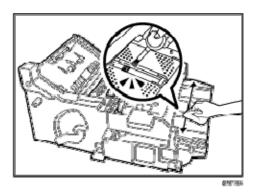


8. Pull the drawer out completely until it stops.

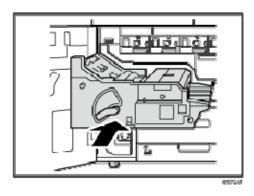


9. Use a dry cloth to clean the transport belt unit. To clean the sensor, use a blower brush.

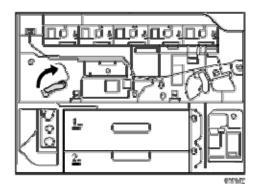
Be careful to avoid the paper transport belt sensor when you do this.



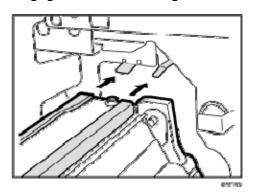
10. Push the drawer slowly into the machine until it stops.



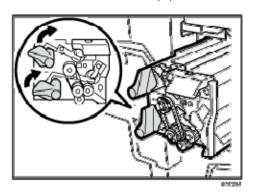
11. Pull the lever up.



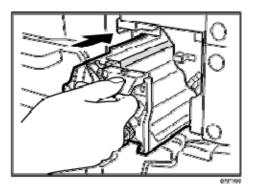
12. Engage the new cleaning unit for intermediate transfer belt with the guide rail.



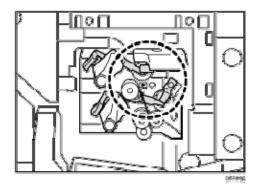
Leave the lever in the up position.



13. Push in the cleaning unit for intermediate transfer belt.

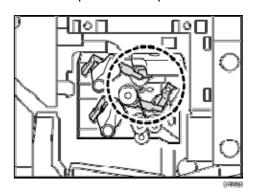


14. Check the positions of the metal plates.

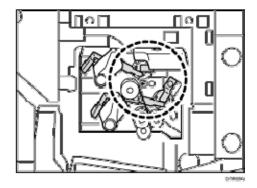


Reset in the following situations.

• The metal plates overlap each other

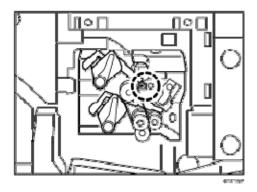


The metal plates touch slightly



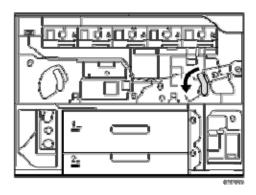
15. Reattach the screw.

Do not touch the levers and do not reattach the cover yet.

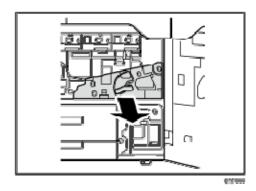


In Steps 16 to 20, temporarily remove the paper transfer unit in order to perform ITB manual lubrication.

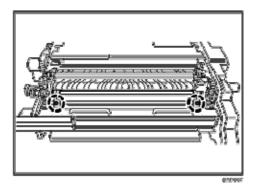
16. Pull down the lever of the paper transfer unit.



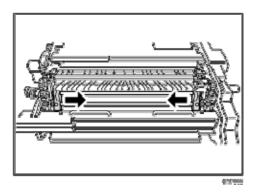
17. Pull out the drawer until it stops.



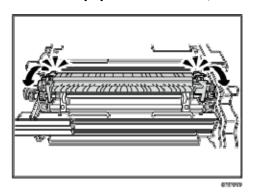
18. Remove the 2 screws.



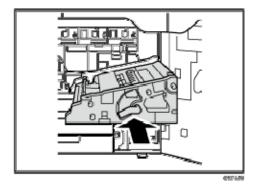
19. Push both arm supports toward the center until they stop.



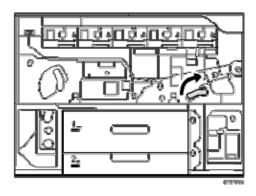
20. Rotate the paper transfer unit, and then remove it.



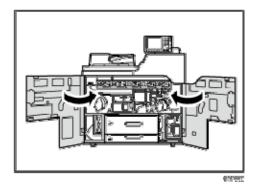
21. Push the drawer back into the machine with the paper transfer unit detached.



22. Pull the lever up.



23. Close the front covers.



24. Reset the counter for replaceable parts.

See page 24 "Resetting the Replaceable Parts Counter".

25. Access the Adjustment Settings for Skilled Operators menu.

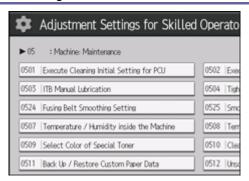
See "Adjustment Settings for Skilled Operators", Adjustment Item Menu Guide: TCRU/ORU.

26. Press [Machine: Maintenance].

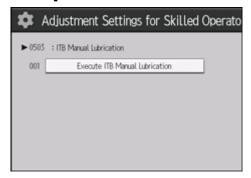


27. Press [ITB Manual Lubrication].

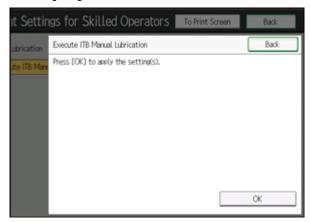
ITB Cleaning Unit



28. Press [Execute ITB Manual Lubrication].



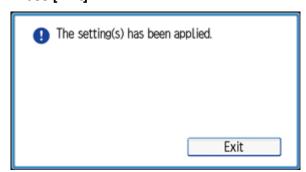
29. Press [OK].



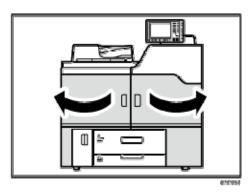
Wait for the operation to finish.

This operation takes about five minutes during which time a message appears on the control panel.

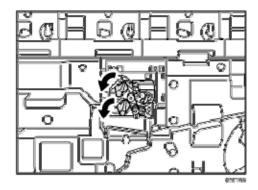
30. Press [Exit].



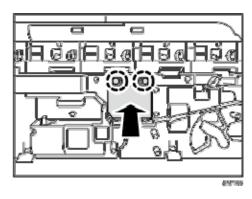
31. Open the front covers.



32. Pull down the 2 levers.



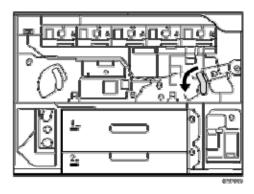
33. Attach the cover, and then secure it with the 2 screws.



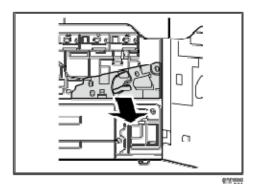
34. Turn the machine off.

See page 20 "Turning Off/On the Power".

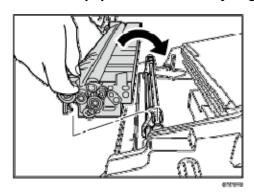
35. Lower the lever.



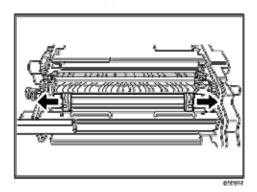
36. Pull out the drawer until it stops.



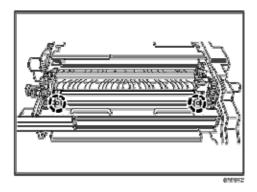
37. Attach the paper transfer unit by engaging the notches on its sides with the shaft.



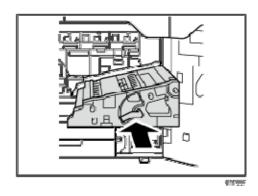
38. Push both support arms outwards until they stop.



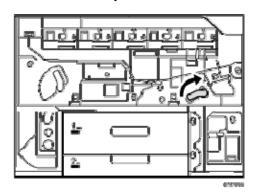
39. Reattach the 2 screws.



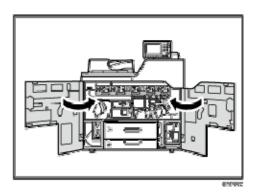
40. Push the drawer back into the machine.



41. Pull the lever up.



42. Close the front covers.



Paper Transfer Unit

Before You Begin

What You Need

- Hex screwdriver
- Newspaper or other paper

Time for Replacement

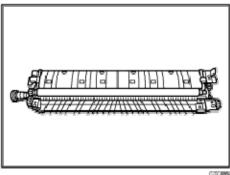
A message will appear when it nears the time to replace a component.

Print the counter list.

1. Press the [Counter] key and print out the counter list.

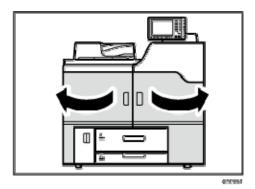
See page 19 "Control Panel".

Replaceable Parts

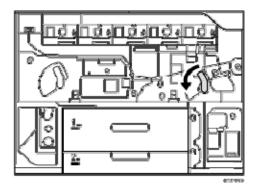


Replacing the Paper Transfer Unit

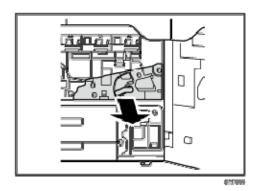
1. Open the front covers.



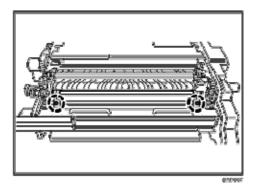
2. Pull down the lever.



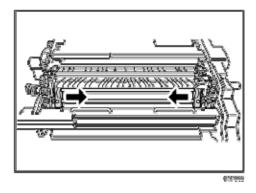
3. Pull out the drawer until it stops.



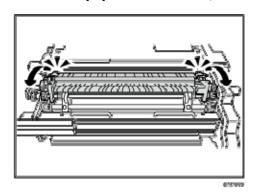
4. Remove the 2 screws.



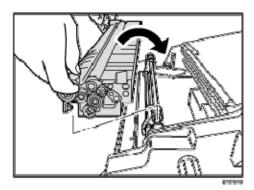
5. Slide the bracket.



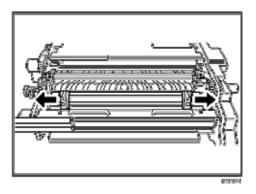
6. Rotate the paper transfer unit, and then remove it.



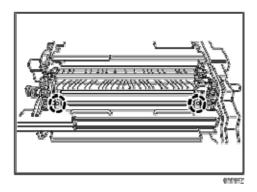
7. Attach the paper transfer unit by engaging the notches on its sides with the shaft.



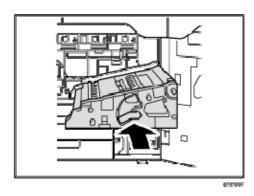
8. Slide the bracket.



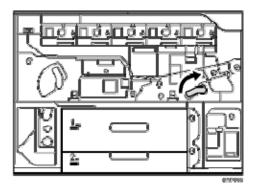
9. Reattach the 2 screws.



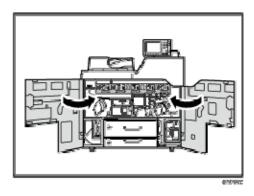
10. Push the drawer into the main unit until it stops.



11. Pull the lever up.



12. Close the front covers.



13. Reset the counter for replaceable parts.

See page 24 "Resetting the Replaceable Parts Counter".

Fuser Unit

Before You Begin

ACAUTION

- The fusing unit becomes extremely hot during operation. To prevent minor burns, allow the machine to cool for at least 30 minutes before you remove the fusing unit.
- The fusing unit weighs approximately around 20.0 kg (44.1 lb).
- When moving the fusing unit, lift it slowly and be careful not to strain yourself.
 Careless handling or over-exertion when lifting can result in breakage of the unit or injury to yourself.

What You Need

- Hex screwdriver
- Newspaper or other paper

Time for Replacement

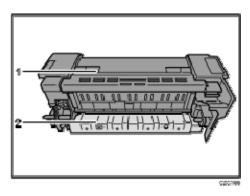
A message will appear when it nears the time to replace a component.

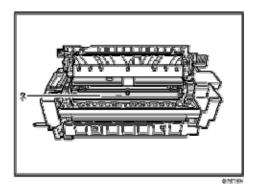
Print the counter list.

1. Press the [Counter] key and print out the counter list.

See page 19 "Control Panel".

Replaceable Parts

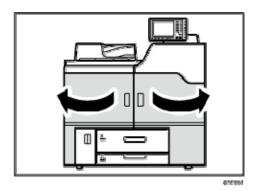




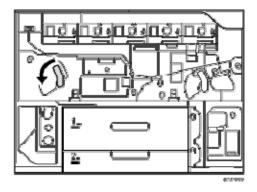
- 1. Fuser unit
- 2. Fuser cleaning unit
- 3. Fusing belt smoothing roller

Replacing the Fusing Belt Smoothing Roller

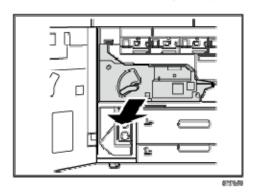
1. Open the front covers.



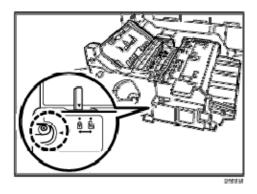
2. Pull down the lever.



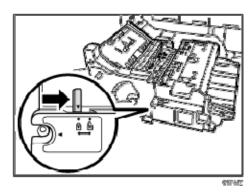
3. Pull the drawer out completely until it stops.



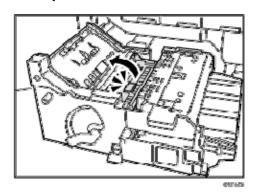
4. Remove the screw.



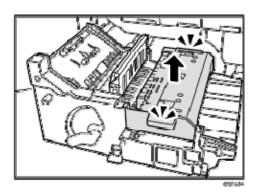
5. Push the lock lever to the right.



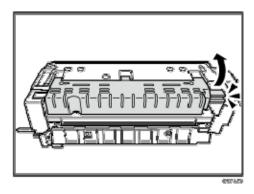
6. Pull up the cover.



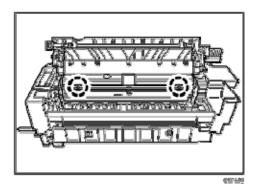
7. Remove the fuser unit.



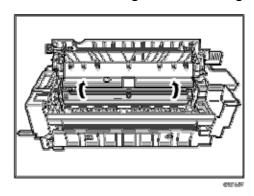
8. Open the cover.

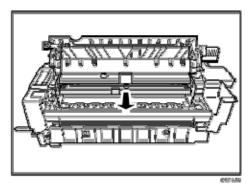


9. Remove the 2 screws.

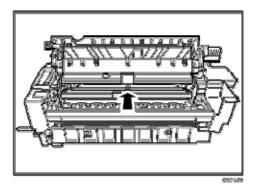


10. Remove the fusing belt smoothing roller.

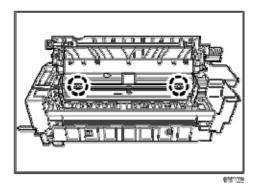




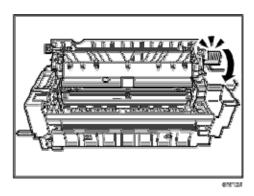
11. Attach the fusing belt smoothing roller by engaging the notches on its sides with the shaft.



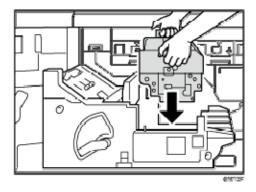
12. Secure the fusing belt smoothing roller with the 2 screws.



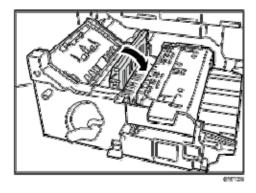
13. Close the cover.



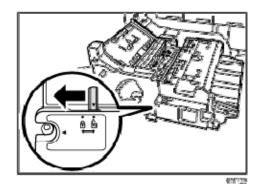
14. Place the fuser unit on the drawer with the triangular markings aligned as shown.



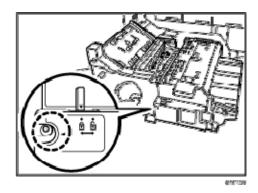
15. Lower the cover.



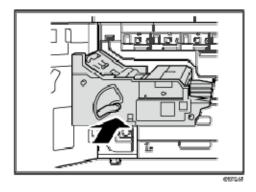
16. Push the lock lever to the left.



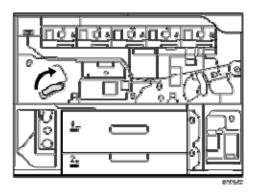
17. Secure the fuser unit with the screw.



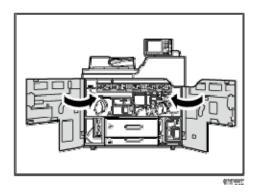
18. Push the drawer slowly into the machine until it stops.



19. Pull the lever up.



20. Close the front covers.



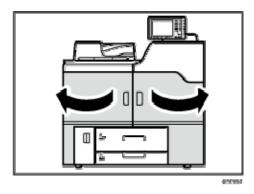
21. Reset the counter for replaceable parts.

See page 24 "Resetting the Replaceable Parts Counter".

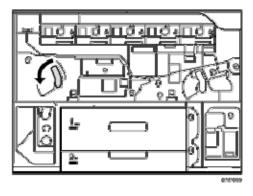
Replacing the Fuser Cleaning Unit/Fuser Unit

This section explains how to replace the fuser cleaning unit. When you replace the fuser unit, it is necessary to attach the fuser cleaning unit currently being used to the new fuser unit.

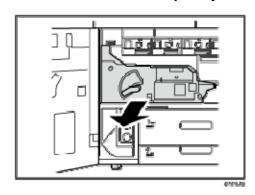
1. Open the front covers.



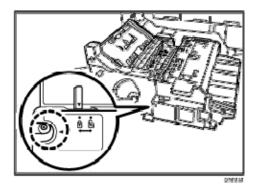
2. Pull down the lever.



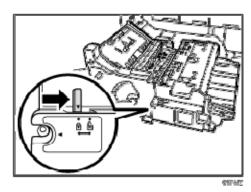
3. Pull the drawer out completely until it stops.



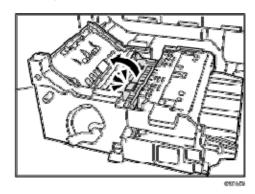
4. Remove the screw.



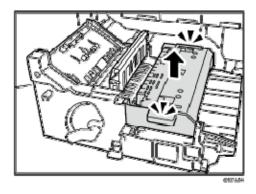
5. Push the lock lever to the right.



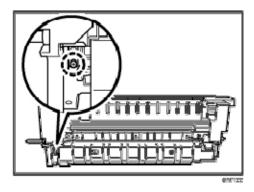
6. Pull up the cover.



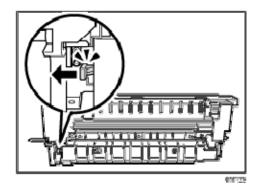
7. Remove the fuser unit.



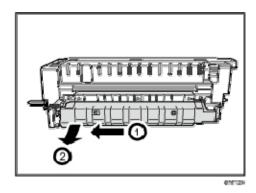
8. Remove the screw.



9. Move the plastic-capped lever to the left.

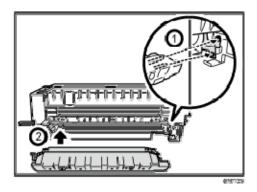


10. Remove the fuser cleaning unit.

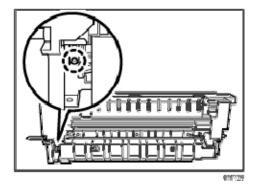


11. Attach the fuser cleaning unit for the fuser unit by engaging its sides.

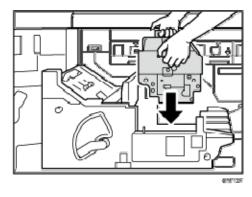
When you replace the fuser unit, it is necessary to attach the fuser cleaning unit currently being used to the new fuser unit.



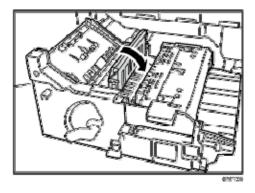
12. Secure the cleaning unit for the fusing unit with the screw.



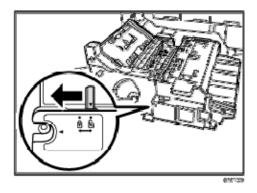
13. Place the fuser unit on the drawer with the triangular markings aligned as shown.



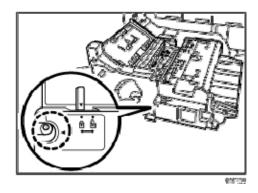
14. Lower the cover.



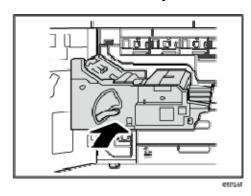
15. Push the lock lever to the left.



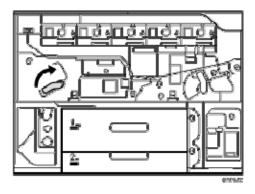
16. Secure the fuser unit with the screw.



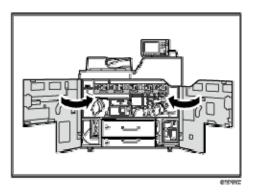
17. Push the drawer slowly into the machine until it stops.



18. Pull the lever up.



19. Close the front covers.



20. Reset the counter for replaceable parts.

See page 24 "Resetting the Replaceable Parts Counter".

Fifth Station

Before You Begin

MARNING

- Do not incinerate toner (new or used) or toner containers. Doing so risks burns.
 Toner will ignite on contact with naked flame.
- Do not store toner (new or used) or toner containers anywhere near naked flames.
 Doing so risks fire and burns. Toner will ignite on contact with naked flame.
- Do not use a vacuum cleaner to remove spilled toner (including used toner). Absorbed toner may cause a fire or explosion due to electrical contact flickering inside the vacuum cleaner. However, it is possible to use a vacuum cleaner that is explosion-proof and dust ignition-proof. If toner is spilled on the floor, remove the spilled toner slowly using a wet cloth, so that the toner is not scattered.
- The following explains the warning messages on the plastic bag used in this product's packaging.
 - Keep the polythene materials (bags, etc.) supplied with this machine away from babies and small children at all times. Suffocation can result if polythene materials are brought into contact with the mouth or nose.

CAUTION

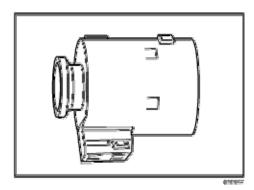
- Do not crush or squeeze toner containers. Doing so can cause toner spillage, possibly resulting in dirtying of skin, clothing, and floor, and accidental ingestion.
- Store toner (new or used), toner containers, and components that have been in contact with toner out of reach of children.

Fifth Station

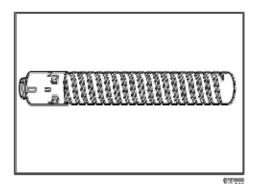
- If toner or used toner is inhaled, gargle with plenty of water and move into a fresh air environment. Consult a doctor if necessary.
- If toner or used toner gets into your eyes, flush immediately with large amounts of water. Consult a doctor if necessary.
- If toner or used toner is swallowed, dilute by drinking a large amount of water.
 Consult a doctor if necessary.
- When removing jammed paper or replacing toner, avoid getting toner (new or used) on your clothing. If toner comes into contact with your clothing, wash the stained area with cold water. Hot water will set the toner into the fabric and make removing the stain impossible.
- When removing jammed paper or replacing toner, avoid getting toner (new or used) on your skin. If toner comes into contact with your skin, wash the affected area thoroughly with soap and water.
- When replacing a toner or waste toner container or consumables with toner, make sure that the toner does not splatter. Put the waste consumables in a bag after they are removed. For consumables with a lid, make sure that the lid is shut.

What You Need

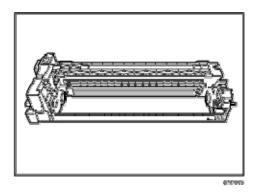
- Hex screwdriver
- Newspaper or other paper
- Storage box
- The Fifth Station Toner Cartridge Replacement Tool



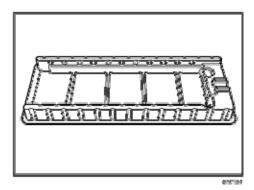
Toner bottle



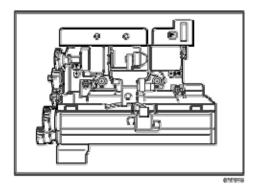
Development unit



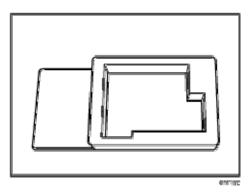
Development plate



Sub-hopper unit



Sub-hopper plate



Changing Special Toner Color

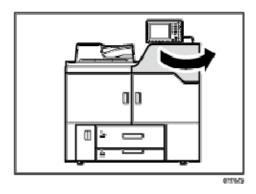
Important

This function is available for Pro C7100X, Pro C7110X, Pro C7100SX, and Pro C7110SX.

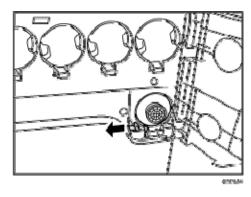
1. Turn the machine on.

See page 20 "Turning Off/On the Power".

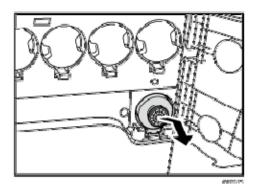
2. Open the cover.



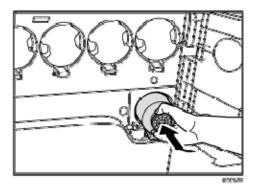
3. Pull the lever to the left.



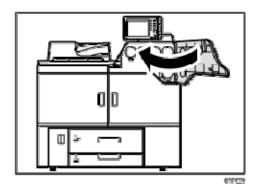
4. Pull out the toner bottle.



5. Attach the Fifth Station Toner Cartridge Replacement Tool.



6. Close the cover.



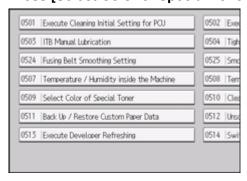
7. Access the Adjustment Settings for Skilled Operators menu.

See "Adjustment Settings for Skilled Operators", Adjustment Item Menu Guide: TCRU/ORU.

8. Press [Machine: Maintenance].



9. Press [Select Color of Special Toner].



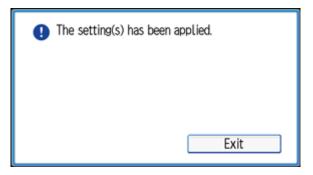
10. Press [Select Color of Special Toner].



11. Select the toner you want to change, and then press [OK].



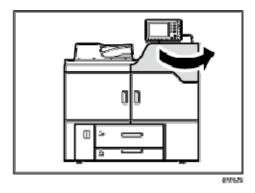
12. Press [Exit].



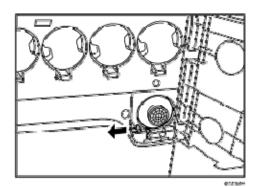
13. Turn off the power.

See page 20 "Turning Off/On the Power".

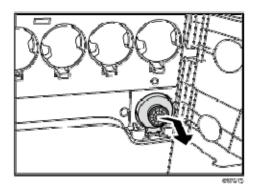
14. Open the cover.



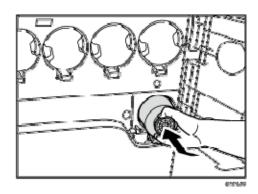
15. Pull the lever to the left.



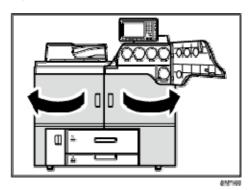
16. Pull out the Fifth Station Toner Cartridge Replacement Tool.



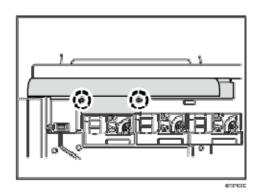
17. Attach the new toner bottle.



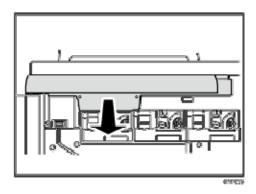
18. Open the front covers.



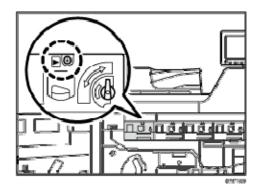
19. Remove the 2 screws.



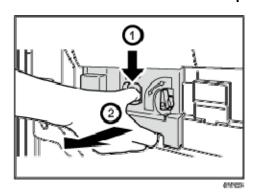
20. Remove the cover.



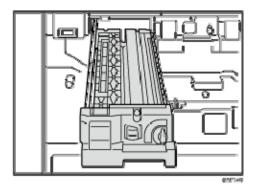
21. Remove the screw.



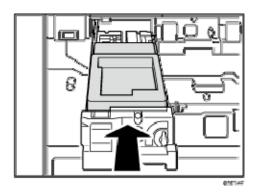
22. Push down on the lock lever and pull the PCDU out until it stops.

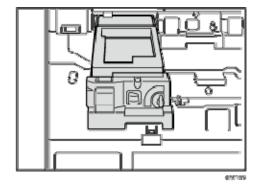


- 23. Remove the sub-hopper plate from the storage box.
- 24. Place the sub-hopper plate on the development unit.

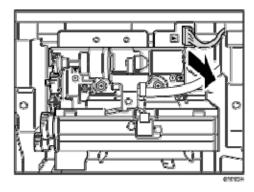


25. Push the development unit into the machine until the sub-hopper plate comes into contact with the development unit.

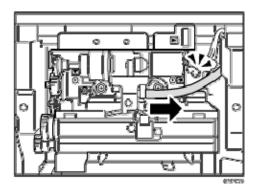


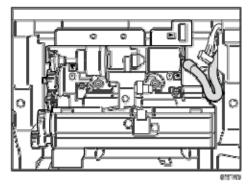


26. Remove the connector.

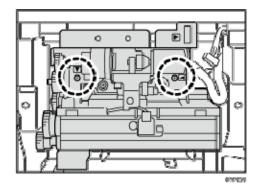


27. Take off the tube, and then push it into the protrusion.



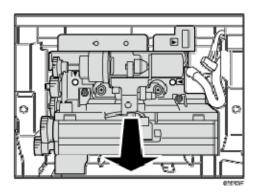


28. Remove the 2 screws.



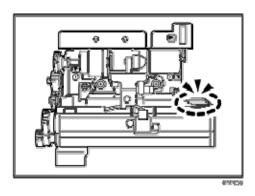
29. Remove the sub-hopper unit.

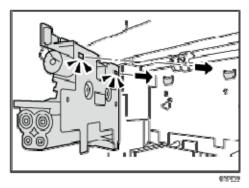
Place it on the sub-hopper plate.



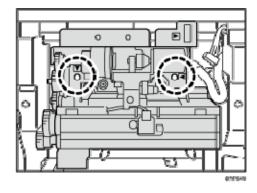
30. Remove the new sub-hopper unit from the storage box, and then attach it.

Install the sub-hopper unit, so that the sealprint side faces up.

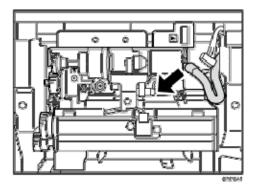




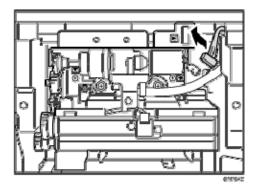
31. Secure the sub-hopper unit with the 2 screws.



32. Attach the tube.



33. Attach the connector.



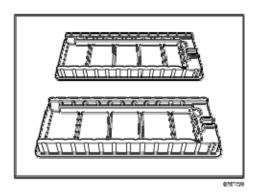
Make sure that the connector is securely attached.

Otherwise, the following may occur:

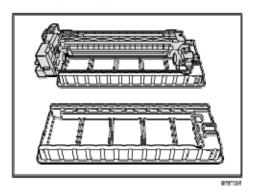
- Image density may become faint.
- It may take longer than usual to adjust the machine.
- 34. Remove the sub-hopper plate.

Place it on a flat clean surface.

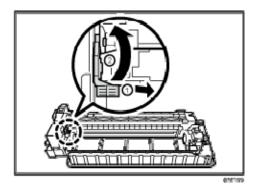
35. Remove two development plates from the storage box, and then place them on a flat surface.



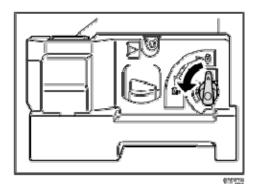
36. Remove the development unit from the storage box, and then place it on the development plate.



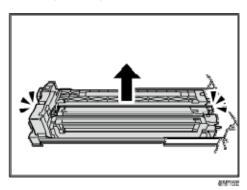
37. Push the lever to the rear to release it, and then pull it up.

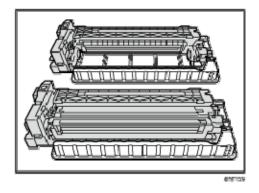


38. Turn the lock lever down to unlock the PCU cleaning unit.

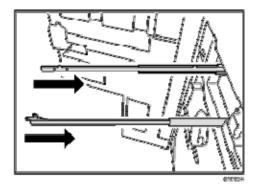


39. Remove the development unit from the main machine, and then place it on the development plate.

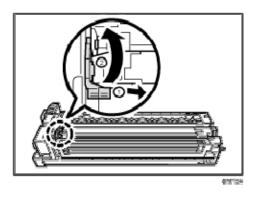




40. Push the guide rail back into the machine.

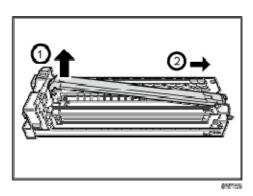


41. Push the lever to the rear to release it, and then pull it up.

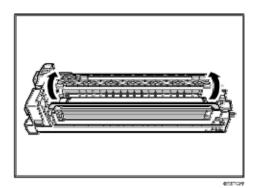


42. Remove the charger unit.

Place it on a flat clean surface.

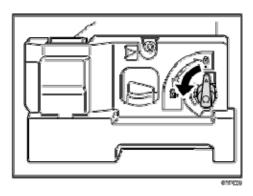


43. Rotate the handle.



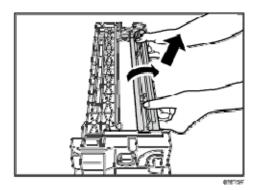
116

44. Turn the lock lever down to unlock the PCU cleaning unit.

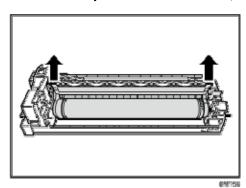


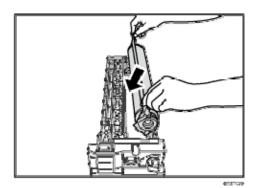
45. Remove the PCU cleaning unit.

Place it on a flat clean surface.



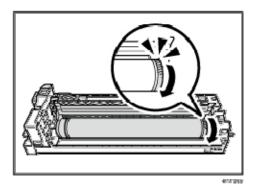
46. Remove the photoconductor unit, and then attach it to the new development unit.



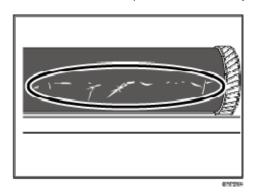


117

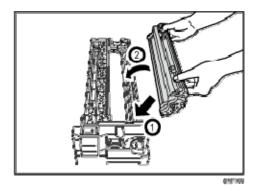
47. Hold the flange of the photoconductor unit and rotate it toward yourself by 30 degrees.



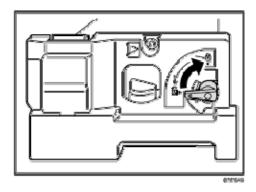
Make sure that the part shown is not jammed between the PCU cleaning unit.



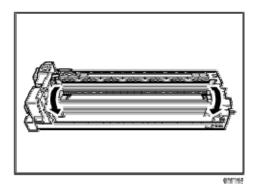
48. Attach the PCU cleaning unit.



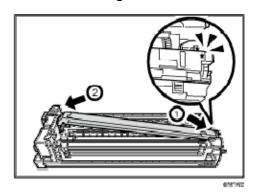
49. Pull up the lock lever to lock the PCU cleaning unit.



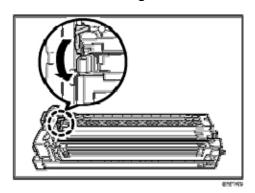
50. Rotate the handle.



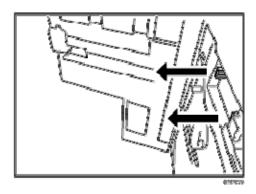
51. Attach the charger unit.



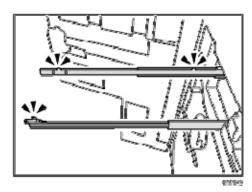
52. Pull down the charger unit lock lever to the locked position.

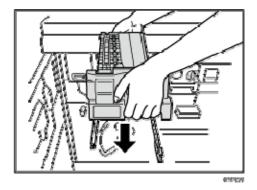


53. Pull out the guide rails.

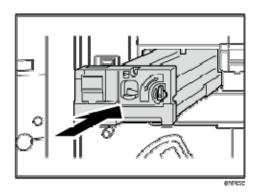


54. Attach the development unit.



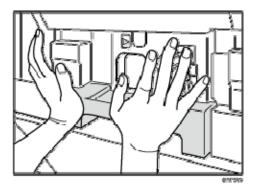


55. Push the PCDU into the machine.

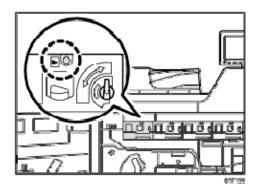


Push it in slowly until it clicks.

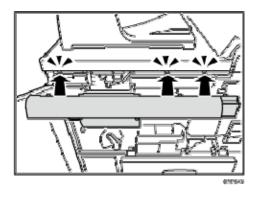
Do not push the upper or center part of the PCDU.



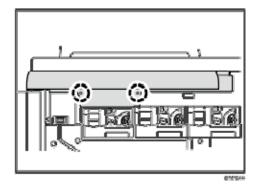
56. Secure the PCDU with the screw.



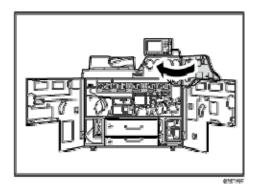
57. Attach the cover by aligning it with the 3 catches.



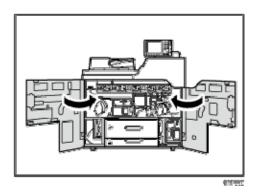
58. Secure the cover with the 2 screws.



59. Close the cover.



60. Close the front covers.



61. Turn the machine on.

See page 20 "Turning Off/On the Power".

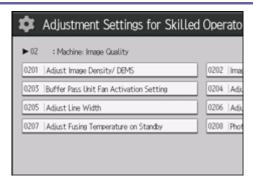
62. Access the Adjustment Settings for Skilled Operators menu.

See "Adjustment Settings for Skilled Operators", Adjustment Item Menu Guide: TCRU/ORU.

63. Press [Machine:Image Quality].



64. Press [Adjust Image Density/ DEMS].



65. Press [Execute DEMS].



66. Press [OK].



67. Press [Exit].



- 68. Press the [Fiery] key.
- 69. Press the [Fiery] tab.
- 70. Press [Restart Fiery], and then press [Shut Down].
- 71. Press [OK].
- 72. Press the operation switch.
- 73. Make sure the operation switch indicator is not lit.
- 74. Open the front left cover.
- 75. Turn off the AC power switch.

For details about the AC power switch, see "Dos and Don'ts", About This Machine.

76. Close the front left cover.

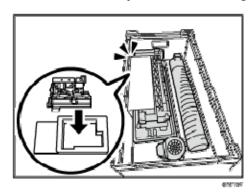
After turning off the main power switch, wait for two minutes or more before turning it on again.

77. Open the front left cover.

78. Turn on the AC power switch.

For details about the AC power switch, see "Dos and Don'ts", About This Machine.

- 79. Close the front left cover.
- 80. Press the operation switch.
- 81. Put the removed parts in the storage box.



Toner Bottle

Before You Begin

MARNING

- Do not incinerate toner (new or used) or toner containers. Doing so risks burns.
 Toner will ignite on contact with naked flame.
- Do not store toner (new or used) or toner containers anywhere near naked flames.
 Doing so risks fire and burns. Toner will ignite on contact with naked flame.
- Do not use a vacuum cleaner to remove spilled toner (including used toner). Absorbed toner may cause a fire or explosion due to electrical contact flickering inside the vacuum cleaner. However, it is possible to use a vacuum cleaner that is explosion-proof and dust ignition-proof. If toner is spilled on the floor, remove the spilled toner slowly using a wet cloth, so that the toner is not scattered.
- The following explains the warning messages on the plastic bag used in this product's packaging.
 - Keep the polythene materials (bags, etc.) supplied with this machine away from babies and small children at all times. Suffocation can result if polythene materials are brought into contact with the mouth or nose.

CAUTION

- Do not crush or squeeze toner containers. Doing so can cause toner spillage, possibly resulting in dirtying of skin, clothing, and floor, and accidental ingestion.
- Store toner (new or used), toner containers, and components that have been in contact with toner out of reach of children.

Toner Bottle

- 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 toner or used toner gets into your eyes, flush immediately with large amounts of water. Consult a doctor if necessary.
- If toner or used toner is swallowed, dilute by drinking a large amount of water.
 Consult a doctor if necessary.
- When removing jammed paper or replacing toner, avoid getting toner (new or used) on your clothing. If toner comes into contact with your clothing, wash the stained area with cold water. Hot water will set the toner into the fabric and make removing the stain impossible.
- When removing jammed paper or replacing toner, avoid getting toner (new or used) on your skin. If toner comes into contact with your skin, wash the affected area thoroughly with soap and water.
- When replacing a toner or waste toner container or consumables with toner, make sure that the toner does not splatter. Put the waste consumables in a bag after they are removed. For consumables with a lid, make sure that the lid is shut.

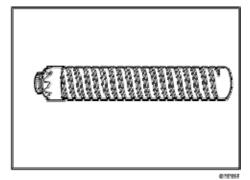
What You Need

Newspaper or other paper

Time for Replacement

A message will appear when it nears the time to replace a component.

Replaceable Parts



Replacing the Toner Bottle

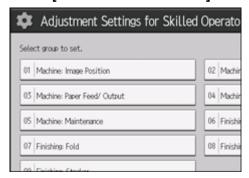
This section explains how to replace toner bottles before they become empty.



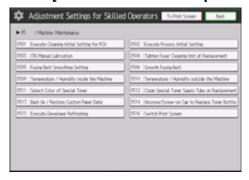
- A message will appear when it nears the time to replace a component.
- If the toner bottle is replaced before this message appears, the remaining toner level is not updated and the remaining toner level before replacing the toner bottle appears instead.
- If the toner bottle is replaced after this message appears, the message will appear at the correct time according to the actual remaining toner level.
- If the toner has run out and the cover is open, close the cover and check the status.
- 1. Access the Adjustment Settings for Skilled Operators menu.

See "Adjustment Settings for Skilled Operators", Adjustment Item Menu Guide: TCRU/ORU.

2. Press [Machine: Maintenance].



3. Press [Unscrew/Screw-on Cap to Replace Toner Bottle].



4. Press the key corresponding to the color of the toner bottle you want to replace.

Toner Bottle

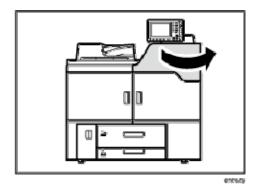


5. Press [OK].

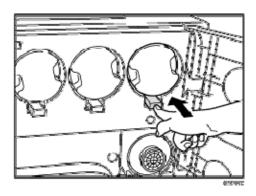


The bottle makes a noise when its cap closes.

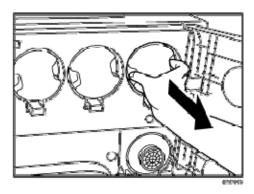
6. Open the cover.



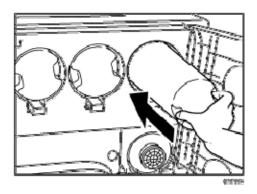
7. Push the lever.



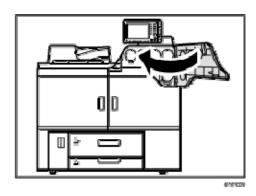
8. Pull out the toner bottle.



9. Attach the new toner bottle.



10. Close the cover.



Be sure to close the cover after replacing the toner bottle. Otherwise, the toner bottle may not be locked and the toner may not be replenished.