# **Replacement Guide: TCRU**

Model Name: Pro C900S/Pro C900

## **CONVENTIONS USED IN THIS MANUAL**

## CAUTIONS, NOTES, ETC.

The following headings provide important information that you must read:

#### 

Failure to follow the information could result in serious injury or death.

#### 

Follow the information to ensure safe operation and avoid minor injuries.

#### Important:

- Follow this information to avoid misfeeds and loss of data, and to prevent damage to the machine and originals.
- The manufacturer shall not be responsible for any damage or expense that might result from use of other than genuine parts with this machine.
- Some illustrations in this manual might be slightly different from the machine. Certain options might not be available in some countries. For details, please contact your local dealer.

**Note:** This information provides extra information about machine maintenance.

#### Trademark:

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## **GENERAL SAFETY INSTRUCTIONS**

#### Switches and Symbols

Where symbols are used on or near switches on machines for Europe and other areas, the meaning of each symbol conforms with IEC60417.

ON () STANDBY

#### Power Plug and Power Cord

- 1. Always make sure that the power plug is fully completely into the wall outlet. A partially inserted plug could lead to heat generation (due to a power surge caused by high resistance) that can result in fire and other problems.
- 2. Always check the power plug and make sure that it is free of dust and lint. Clean it if necessary. A dirty plug can generate heat that can result in fire.
- 3. Inspect the length of the power cord for cuts or other damage. A frayed or otherwise damaged power cord can cause a short circuit which could lead to a fire or injury from electrical shock. If the power cord is damaged in any way, call for service.
- 4. Check the length of the power cord between the machine and power supply. Make sure the power cord is not coiled or wrapped around any object such as a table leg. Coiling the power cord can cause excessive heat to build up and this could result in fire.
- 5. Make sure that the area around the wall outlet is free of obstacles so the power cord can be removed quickly in case of an emergency.
- 6. Make sure that the power cord is grounded (earthed) at the wall outlet using the ground wire on the plug.
- 7. Insert the power cord into the wall outlet directly. Never use an extension cord.
- 8. When disconnecting the power plug from the wall outlet, always pull on the plug, not the cable.

## 

- Protect the machine from dampness or wet weather, such as rain and snow.
- Unplug the power cord from the wall outlet before moving the machine. While moving the machine, take care that the power cord is not damaged under the machine.
- When disconnecting the power plug from the wall outlet, always pull the plug (not the cable).
- Do not allow paper clips, staples, or other small metallic objects to fall inside the machine.
- Keep toner (used or unused) and toner containers out of reach of children.
- For environmental reasons, do not dispose of the machine or expended supply waste at household waste collection points. Disposal can take place at an authorized dealer.
- The inside of this machine gets very hot. Do not touch the parts with a label indicating the "hot surface". Otherwise, an injury might occur.
- The fusing section of this machine gets very hot. Caution should be taken when removing misfed paper.
- 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 use aluminum foil, carbon paper, or similar conductive paper to avoid a fire or machine failure.
- If you use the machine in a confined space, make sure there is a continuous air turnover.
- 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 eyes, wash eyes immediately using lots of water. Consult a doctor if necessary.
- If toner or used toner is swallowed, dilute it by drinking lots of water. Consult a doctor if necessary.
- Avoid getting toner on your clothes or skin when removing a paper jam or replacing toner. If your skin comes into contact with toner, wash the affected area thoroughly with soap and water.
- If toner gets on your clothing, wash it using cold water. Hot water will set the toner into the fabric and might make removing the stain impossible.

#### SAFETY AND ECOLOGICAL NOTES FOR DISPOSAL

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

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# 1. BEFORE YOU BEGIN...

This manual is only operators who have received training in the procedures shown in this manual. General users are not to perform the procedures shown in this manual.

- Never perform any procedure in this manual if you have not received proper training.
- If you have received training and are not sure about how to do a procedure then call for service.
- Even if you have received training, never attempt any procedure that is not shown in this manual.
- 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.

## What You Need

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



- ① Accessory hex driver
- ② Black hex screws
- ③ Developer bottle
- ④ Drum setting powder pad applicator

You will need the following items:

- Accessory hex driver ① (provided). Needed to remove the black hex screws ② from the machine. The black screws in the machine are the only screws that should be removed.
- Drum setting powder pad applicator (provided). Needed to apply a thin coated of powder on the drum.
- Newspaper or other paper. Needed to cover your work surface and prevent toner spillage from components removed from the machine.

**Important**: The accessory hex driver and drum setting powder pad are included in the kit that is supplied this machine. Keep this kit in a safe place where you can find it later. If the kit is not available, contact your supervisor or call for service.

### NAMES OF COMPONENTS



- 1. Toner hopper cover
- 2. Front top cover
- 3. Inner cover
- 4. Left front cover
- 5. Right front cover
- 6. Control panel

#### Parts, Screw Color Codes

- Handles and levers colored purple indicate where you should pull or lift a component or part to move or remove it.
- Black screws are the screws you must remove in order to remove the unit or component. Never remove screws of any other color.

## **CONTROL PANEL (Pro C900)**



- 1. User Tools
- 2. Counter
- 3. Printer function/[fierydriven]
- 4. ./\* key
- 5. Enter key
- 6. Clear key
- 7. On indicator
- 8. Operation Switch
- 9. Number keys

## **CONTROL PANEL (Pro C900S)**



- 1. User Tools
- 2. Counter
- 3. ./\* key
- 4. Enter key
- 5. Clear key
- 6. On indicator
- 7. Operation Switch
- 8. Number keys
- 9. Program

# 2. COMMON PROCEDURES

## 2.1 SWITCH THE MACHINE OFF BEFORE BEGINNING ANY PROCEDURE!

### 

• To prevent electrical shock, turn off the main power switch and disconnect the ground wire from the machine and fixing heater.

#### Preparation

Before performing any procedure shown in this manual, always do the following:

- Shut down the printer controller. Depending on the type of controller, the shutdown procedure may be slightly different. For details, refer to the shutdown procedure for your machine.
- 2. Press the operation switch to turn the machine off.
- 3. After turning off the operation switch, turn off the main power switch.
- 4. Wait a few seconds, and then disconnect the ground leakage circuit breaker from the machine and fixing heater.



5. The fusing unit becomes extremely hot during normal operation. After turning the machine off and disconnecting the power cable and ground leakage circuit breaker, do not use the machine for at least 30 minutes. This time will allow the fusing unit to cool down.

The operation switch is on the control panel. (See "CONTROL PANEL".)

The main power switch is in the upper left corner behind the front left cover.

#### SYSTEM AUTO RESET TIMER (TIMER SETTINGS)

The System Reset setting automatically switches the screen to that of the function specified in Function Priority if the machine is left idle for a specified period.

- On
- Off

The setting should be "Off".

If you select "On", you can specify how long the machine waits before switching the screen. Using the number keys, you can specify a wait time of between 1 and 999 seconds.

**Note:** For details about changing this setting, see General Settings Guide, which is supplied with this machine.

# 2.2 OPENING THE TCRU DISPLAY

#### Overview

- When installed, the TCRU SD card enables an LCD display application specially designed for use with TCRU machines.
- The TCRU SD card can be installed on TCRU machines only. It will not function with other models.
- The LCD display application of the TCRU SD card is protected by a built-in authentication function. This means that the LCD display application cannot be copied or moved.

#### 

Any attempt to copy or move the LCD application will permanently disable the TCRU SD card.

#### INSTALLATION, TCRU SETUP

- 1. Insert the TCRU SD card into a vacant SD card slot on the back of the machine.
- 2. After connecting the ground leakage circuit breaker to the machine and fixing heater, turn the machine on and wait for it to warm up.
- 3. For users of Pro C900, press the Printer function/[fierydriven] key on the control panel to display the Main Menu.

**Note**: The Printer function/[fierydriven] key on the control panel functions as a toggle to rotate the displays on the LCD: Main Menu > Printer function > Main Menu.

For users of Pro C900S, press the [Program] key on the control panel to display the Main Menu.

4. Press the [TCRU] button to display the TCRU Menu. The TCRU Menu is shown below.

TCRU Select a button		
Developer	Fusing Unit	
Drum Unit	Others	
Charge Corona Unit		
Drum Cleaning Unit		
Image Transfer Belt Cleaning Unit		
Paper Transfer Roller Unit		Back
Application Version: 1.00		
	System Status	

**Note**: The [Fusing Unit] and [Others] buttons are not to be used in any of the procedures shown in this manual.

For users of Pro C900, press the Printer function/[fierydriven] key to exit the Main Menu.

For users of Pro C900S, press the [Program] key. When the Program menu is displayed, press [Exit] on the top right-hand corner of the menu.

#### TCRU MENU SUMMARY

This section explains the functions of the buttons on the TCRU Menu.

#### The menu displayed under each button in the TCRU menu

The function menu is shown below.



**Note:** The following is based on the charge corona unit function menu.

1. [Display PM Counter] buttons

There is a [Display PM Counter] button for each unit. When a [Display PM Counter] button is pressed, the counter of that unit is displayed. Press the [Confirm] button to return to the previous display.

2. [Reset PM Counter] buttons

There is a [Reset PM Counter] button for each unit. If a [Reset PM Counter] button is pressed, the machine performs initialization for the selected unit and clears the counter for that unit.

- If an error occurs during the counter clear/initialization, an error message is displayed.
- If the counter clear/initialization completes successfully, "Counters have been reset." is displayed.
- 3. [PM Counter Log] buttons

There is a [PM Counter Log] button for each unit. By pressing the [PM Counter Log] button, you can check the last two counter values before the counter was cleared. By pressing the [Confirm] button, you can check the earlier counter values also.

You can remove the TCRU SD card even when the machine is on.

# 2.3 REMOVING THE FRONT TOP COVER

#### Procedure

1. Open the left (2) and right (1) front covers.



2. Open the toner hopper cover (1).



- Remove the two screws at (1) and (2) by hand.
   Note: Use a coin to turn the screws if they are too tight to turn by hand.
- 4. Lift up the front top cover (3) and remove it.



# 2.4 REATTACHING THE FRONT TOP COVER

#### Procedure

- 1. Hold the front top cover.
- Align the two tabs (1) on the bottom of the front top cover with the two cutouts (2) on the frame of the machine, and then hook the front top cover.
- 3. Align the three tabs (3) on the front top cover with the three cutouts (4) on the frame of the machine, and then attach the front top cover.



- 4. Fasten the two screws at (1) and (2) by hand.
- 5. Close the toner hopper cover (3).



6. Close the left and right front covers.

# 3. CHARGE CORONA UNIT

## 3.1 REMOVING THE CHARGE CORONA UNIT

#### What You Need

- Accessory hex driver provided with the machine.
- Newspaper or other paper covering a nearby flat surface on which you can place removed components.

## 

• To prevent electrical shock, switch off the main power switch and disconnect the ground wire from the machine and fixing heater.

#### **Replacement Message**

```
Replacement of Charger is now necessary.
Replace Charger.
```

If this message appears, use the following procedure to replace the unit.

Preparation: Print out the counter list.

- 1. Press the [Counter] key on the control panel (see "CONTROL PANEL") and print out the counter list.
- 2. Switch the machine off. (See "SWITCH THE MACHINE OFF BEFORE BEGINNING ANY PROCEDURE!")

#### Procedure

- 1. Open the left and right front covers.
- 2. Remove the front top cover (See " REMOVING THE FRONT TOP COVER")
- 3. Hold the charge corona unit (1) with the lock lever (2) pressed down.





4. Carefully pull the charge corona unit (1) toward you.



5. Holding the sides of the charge corona unit, pull it out in the direction of the arrow (2).



#### Important:

To protect the charge corona unit from fingerprints, scratches, and dust:

- Always hold the charge corona unit (1) with both hands.
- Never touch the wire mesh (2) below.
- Never allow anything to touch the wire mesh while the charge corona unit is outside the machine.



6. Lay the charge corona unit with the wire mesh facing down.



# 3.2 REINSTALLING THE CHARGE CORONA UNIT

#### Important:

To protect the charge corona unit from fingerprints, scratches, and dust:

- Never touch the wire mesh on the underside of the charge corona unit.
- Never allow anything to touch the wire mesh while the charge corona unit is outside the machine.

#### Procedure

1. While holding the charge corona unit with both hands and with the wire mesh facing down, set the charge corona unit (1) on its rails (2), and then carefully push it in until it can go no further.



- 2. Reattach the front top cover and close the toner hopper cover. (See "REATTACHING THE FRONT TOP COVER".)
- 3. Reconnect the ground leakage circuit breaker for the machine and fixing heater.
- 4. Press the main power switch to turn the machine on, close the left and right front cover, and then wait for the machine to warm up.
- 5. Open the TCRU display. (See "OPENING THE TCRU DISPLAY".)
- 6. Press the [Charge Corona Unit] button.

TCF	U Select a button		
	Developer	Fusing Uhit	
	Drum Unit	Others	
	Charge Corona Unit		
	Drum Cleaning Unit		
	Image Transfer Belt Cleaning Unit		
	Paper Transfer Roller Unit		Back
App	lication Version: 1.00		
		⊽ त है ह System Status	

- 7. Press the [Reset PM Counter] button of the item that is the corresponding color.
- 8. If a confirmation message appears, press the [Continue] button. **Note**: The counter will be reset.
- 9. When the counter is reset, press the [Confirm] button.

# 4. DRUM CLEANING UNIT

## 4.1 REMOVING THE DRUM CLEANING UNIT

#### What You Need

- Accessory hex driver provided with the machine.
- Newspaper or other paper covering a nearby flat surface on which you can place removed components.

## 

• To prevent electrical shock, switch off the main power switch and disconnect the ground wire from the machine and fixing heater.

#### **Replacement Message**

```
Replacement of Cleaning Unit for PCU is now necessary. Replace Cleaning Unit for PCU.
```

If this message appears, use the following procedure to replace the unit.

Preparation: Print out the counter list.

- 1. Press the [Counter] key on the control panel (see "CONTROL PANEL") and print out the counter list.
- 2. Switch the machine off. (See "SWITCH THE MACHINE OFF BEFORE BEGINNING ANY PROCEDURE!")

### Procedure

- 1. Open the left and right front cover, open the toner hopper cover, and then remove the front top cover. (See "REMOVING THE FRONT TOP COVER".)
- 2. Remove the charge corona unit. (See "REMOVING THE CHARGE CORONA UNIT.)
- 3. Using the hex driver, remove the three black screws (1) from the inner cover (2) of the development unit drawer.

4. Remove the inner cover (2) of the development unit drawer.



5. Loosen the drawer stop knob (1) by turning it counterclockwise, and then remove it.



6. Holding the purple handle (1), carefully pull out the development unit drawer.



**Important:** Do not leave the development unit drawer open for a long time. Also, do not expose the part where the drum unit is visible to direct sunlight.

7. Turn the drum cleaning unit lock lever (1) counterclockwise.



8. Grasping both sides (1) of the drum cleaning unit as shown, lift the drum cleaning unit (2) straight up.



9. To avoid spilling toner, always carry the drum cleaning unit level with the exposed roller (1) facing up (not down).



# 4.2 REINSTALLING THE DRUM CLEANING UNIT

#### Procedure

- **Note:** If you want to replace the drum unit with the drum cleaning unit, see "DRUM UNIT".
- 1. Check the drum cleaning unit direction for reinstalling.
  - The waste toner collection pipe (1) should be at rear side.



Align the purple pin covers (1) at the front and rear edge of the drum cleaning unit with the guide rails (2), and then set the drum cleaning unit on the frame.
 Important: Never touch the green surface of the drum.



3. Turn the drum cleaning unit lock lever (1) clockwise until it clicks.

4. Gently and firmly push the purple handle (2) into the machine until the drawer can go no further and locks into place.



**Important:** Do not pinch the harnesses (1) on the frame when pushing the development unit drawer into the machine.



5. Install the drawer stop knob (1), and then fasten it by turning it clockwise.



- 6. Attach the inner cover, and then secure it by turning its three black screws clockwise using the hex driver.
- 7. Reinstall the charge corona unit. (See "REINSTALLING THE CHARGE CORONA UNIT")

- 8. Reattach the front top cover and close the toner hopper cover. (See "REATTACHING THE FRONT TOP COVER".)
- 9. Reconnect the ground leakage circuit breaker for the machine and fixing heater.
- 10. Press the main power switch to turn the machine on, close the left and right front covers, and then wait for the machine to warm up.
- 11. Open the TCRU Display. (See "OPENING THE TCRU DISPLAY".)
- 12. Press the [Drum Cleaning Unit] button.

TCRU Select a button		
Developer	Fusing Unit	
Drum Unit	Others	
Charge Corona Uhit		
Drum Cleaning Unit		
Image Transfer Belt Cleaning Unit		
Paper Transfer Boller Unit		Back
Application Version: 1.00		
	₹ n E z System Status	

- 13. Press the [Reset PM Counter] button of the item that is the corresponding color.
- 14. If a confirmation message appears, press the [Continue] button. **Note**: The counter will be reset.
- 15. When the counter is reset, press the [Confirm] button.

# 5. DRUM UNIT

## 5.1 REMOVING THE DRUM UNIT

#### What You Need

- Accessory hex driver provided with the machine.
- Newspaper or other paper covering a nearby flat surface on which you can place removed components.

#### 

• To prevent electrical shock, switch off the main power switch and disconnect the ground wire from the machine and fixing heater.

#### **Replacement Message**

```
Replacement of Drum Unit is now necessary.
Replace Drum Unit.
```

If this message appears, use the following procedure to replace the unit.

Preparation: Print out the counter list.

- 1. Press the [Counter] key on the control panel (see "CONTROL PANEL") and print out the counter list.
- 2. Switch the machine off. (See "SWITCH THE MACHINE OFF BEFORE BEGINNING ANY PROCEDURE!")

#### Procedure

- 1. Open the left and right front covers, open the hopper cover, and then remove the front top cover. (See "REMOVING THE FRONT TOP COVER".)
- 2. Remove the charge corona unit. (See "REMOVING THE CHARGE CORONA UNIT.)
- 3. Remove the drum cleaning unit. (See "REMOVING THE DRUM CLEANING UNIT".)
- 4. Turn the drum lock nut (1) counterclockwise, and unlock the drum unit.



5. Rotate the drum unit using its handle (1) as shown below, and then carefully pull out the drum unit.



## 5.2 REINSTALLING THE DRUM UNIT

#### Procedure

Important: Never touch the green area of the drum.

1. Set the new drum unit (1) in the development unit drawer, and make sure that the two guides (2) (front) (3) (rear) at the development unit drawer are inserted securely in the grooves (4) (front) (5) (rear) at the drum unit.



RPG016S

2. Take the drum setting powder applicator out of the TCRU kit.

3. Using the powder pad applicator, pat the surface of the drum lightly.



#### Important:

- Setting powder must cover at least 25% of the surface of the drum to prevent damage to the drum cleaning unit and the drum.
- The setting powder is an inert substance that is not harmful to the human body.
- 4. Fasten the drum lock nut (1) by turning it clockwise.



- 5. Reinstall the drum cleaning unit and push the development unit drawer into the machine. (See "REINSTALLING THE DRUM CLEANING UNIT".)
- 6. Install the drawer stop knob, and then fasten it clockwise. (See "REINSTALLING THE DRUM CLEANING UNIT".)
- Attach the inner cover, and then secure it by turning its three black screws clockwise using the hex driver. (See "REINSTALLING THE DRUM CLEANING UNIT".)
- 8. Reinstall the charge corona unit. (See "REINSTALLING THE CHARGE CORONA UNIT")
- 9. Reattach the front top cover and close the toner hopper cover. (See "REATTACHING THE FRONT TOP COVER".)
- 10. Reconnect the ground leakage circuit breaker of the machine and fixing heater.

- 11. Turn the machine's main power switch to ON, close the left and right front covers, and then wait for the machine to warm up.
- 12. Open the TCRU Display. (See "OPENING THE TCRU DISPLAY".)
- 13. Press the [Drum Unit] button.

TCRU Select a button		
Developer	Fusing Unit	
Drum Unit	Others	
Charge Corona Uhit		
Drum Cleaning Uhit		
Image Transfer Belt Cleaning Unit		
Paper Transfer Roller Unit		Back
Application Version: 1.00		
	System Status	

- 14. Press the [Reset PM Counter] button of the item that is the corresponding color.
- 15. If a confirmation message appears, press the [Continue] button. **Note**: The counter will be reset.
- 16. When the counter is reset, press the [Confirm] button.

# 6. DEVELOPER

## 6.1 REMOVING THE USED DEVELOPER

#### Overview

You can remove the developer from more than one developer unit at a time. **Important**: Dispose of the developer bottle in accordance with the disposal regulations in your area.

#### What You Need

• Developer bottle provided with the main machine.

#### 

• Before replacing the developer, make sure that the machine's parts are all closed.

#### **Replacement Message**

```
Replacement of Developer is now necessary.
Replace Developer.
```

If this message appears, use the following procedure to replace the unit.

Preparation: Print out the counter list.

1. Press the [Counter] key on the control panel (see "CONTROL PANEL") and print out the counter list.

# Important: <u>Before this procedure can be carried out, the machine must be</u> <u>switched on.</u>

#### Procedure

- 1. Open the left and right front cover, open the toner hopper cover, and then remove the front top cover. (See "REMOVING THE FRONT TOP COVER".)
- 2. Check that the developer you are preparing is the correct color by looking at the combination of the raised markings (1) on the shutter of the developer bottle. (The combination indicates the developer color, as shown below.)





- 3. Check if the developer bottle is empty.
- 4. Align the hole (1) of the bottle with the contact (2) under the outlet for the corresponding developer.
- 5. Connect the developer bottle (3).
  - **Note:** If you want to remove the developer from two or more development units, connect empty bottles to the outlets of those units.



6. Push the developer bottle to in the direction of the arrow (1) until it it can go no further and locks into place.



- 7. Open the TCRU display. (See "OPENING THE TCRU DISPLAY".)
- 8. Press the [Developer] button.

TCRU Select a button		
Developer	Fusing Unit	
Drum Unit	Others	
Charge Corona Uhit		
Drum Cleaning Uhit		
Image Transfer Belt Cleaning Unit		
Paper Transfer Roller Unit		Back
Noplication Version: 1.00		
	Ş <sub>ini</sub> ēz System Status	

- 9. Press the [Reset PM Counter Developer:Exhaust] button.
- 10. If a confirmation message appears, press the [Continue] button.
- 11. Select the developer you want to replace, and then press the [Continue] button.
- 12. If a confirmation message appears, press the [Continue] button. **Note:** The old developer is discharged.

13. After removing the developer, press the [Confirm] button, and then, while pressing the lock levers on either side of the developer bottle, carefully pull the bottle toward you.

**Important:** To avoid developer spillage while handling the developer bottle, always keep the developer bottle level.



14. Disconnect the developer bottle from the developer outlet contact, and then remove it.

**Important:** Cover surrounding surfaces with paper. This will prevent spillage from the developer bottle spoiling them.

15. Remove the seal (1) that is stuck to the developer bottle.



- 16. Attach the seal to the shutter (1) of the developer bottle, as shown.
  - **Note:** To prevent developer leaking during transport, cover the developer bottle's opening.



**Important:** At this point, begin the procedure for adding the new developer. (See "ADDING NEW DEVELOPER")

## 6.2 ADDING NEW DEVELOPER

#### Important: <u>Be sure to switch the machine on before beginning this procedure.</u> <u>This procedure requires the machine to be powered.</u>

#### Procedure

1. Check that the developer you are preparing is the correct color by looking at the combination of the raised markings (1) on the shutter of the developer bottle. (The combination indicates the developer color, as shown below.)



- 2. Align the hole (1) of the bottle with the contact (2) on the inlet for the corresponding developer.
- 3. Connect the developer bottle (3).



4. Push the developer bottle in the direction of the arrow (1) until it can go no further and locks into place.



5. Pull the seal (1) completely away.



- 6. Open the TCRU display. (See "OPENING THE TCRU DISPLAY".)
- 7. Press the [Developer] button.



- 8. Press the [Reset PM Counter Developer:Reload] button.
- 9. If a confirmation message appears, press the [Continue] button.
- 10. Select the developer you want to replace, and then press the [Continue] button.Note: The new developer begins pouring in.

11. When the confirmation message appears, press the [Confirm] button, and then, while pressing the lock levers on either side of the developer bottle, carefully pull the bottle toward you.



- 12. Disconnect the developer bottle from the contact on the developer inlet, and then remove it.
- 13. Turn the developer bottle upside down.
- 14. Reattach the front top cover and close the toner hopper cover. (See "REATTACHING THE FRONT TOP COVER".)
- 15. Close the left and right front cover.

# 7. IMAGE TRANSFER BELT CLEANING UNIT

# 7.1 REMOVING THE IMAGE TRANSFER BELT CLEANING UNIT

#### What You Need

- Accessory hex driver provided with machine.
- Newspaper or other paper covering a nearby flat surface on which you can place removed components.

#### 

• To prevent electrical shock, switch off the main power switch and disconnect the ground wire from the machine and fixing heater.

#### **Replacement Message**

```
Intermed. Trans. Belt Cleaning Unit replacement is now required.
Replace Intermed. Trans. Belt Cleaning Unit.
```

If this message appears, use the following procedure to replace the unit.

Preparation: Print out the counter list.

- 1. Press the [Counter] key on the control panel (see "CONTROL PANEL") and print out the counter list.
- 2. Switch the machine off. (See "SWITCH THE MACHINE OFF BEFORE BEGINNING ANY PROCEDURE!")

#### Procedure

- 1. Open the left and right front covers.
- 2. Remove the two black screws (1) on the inner cover (2) for the image transfer belt cleaning unit using the hex driver.
- Remove the inner cover (2).
   Note: To remove the inner cover, pull it out and slightly upward.



- 4. Remove the black screw (1) on the image transfer belt cleaning unit using the hex driver.
- 5. Rotate the cleaning blade contact lever (2) clockwise.



6. Using the handle (1), carefully pull the image transfer belt cleaning unit toward you until it can go no further.



7. While pressing down the lock tab (1), carefully pull out the image transfer belt cleaning unit.



**Important**: To avoid toner spillage while handling the image transfer belt cleaning unit, always keep the image transfer belt cleaning unit level.

## 7.2 INSTALLING THE IMAGE TRANSFER BELT CLEANING UNIT

#### Procedure

1. While holding the image transfer belt cleaning unit with both hands, set the image transfer belt cleaning unit (1) on its rails (2), and then carefully push it in until it can go no further.



- 2. Fasten the black screw (1) on the image transfer belt cleaning unit using the hex driver.
- 3. Reconnect the ground leakage circuit breaker for the machine and fixing heater.
- 4. Press the main power switch to turn the machine on, close the left and right front cover, and then wait for the machine to warm up.
- 5. Open the TCRU display. (See "OPENING THE TCRU DISPLAY".)
- 6. Press the [Image Transfer Belt Cleaning Unit] button.

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Drum Cleaning Unit
Image Transfer Belt Cleaning Unit
Raper Transfer Roller Unit Back
Application Version: 1.00
₹ n č z System Status

- 7. Press the [Reset PM Counter:Image Transfer Belt Cleaning Unit] button.
- 8. If a confirmation message appears, press the [Continue] button. **Note:** The counter will be reset.
- 9. When the counter is reset, press the [Confirm] button.
- 10. Open the left and right front covers.

11. Rotate the cleaning blade contact lever (2) counterclockwise.



- 12. Reattach the inner cover and then fasten the two black screws on the inner cover of the image transfer belt cleaning unit using the hex driver. (See "REMOVING THE IMAGE TRANSFER BELT CLEANING UNIT".)
- 13. Close the left and right front covers.

# 8. PAPER TRANSFER ROLLER UNIT

## 8.1 REMOVING THE PAPER TRANSFER ROLLER UNIT

#### What You Need

• Newspaper or other paper covering a nearby flat surface on which you can place removed components.

## 

• To prevent electrical shock, switch off the main power switch and disconnect the ground wire from the machine and fixing heater.

#### **Replacement Message**

```
Replacement of Transfer Unit is now necessary.
Replace Transfer Unit.
```

If this message appears, use the following procedure to replace the unit.

Preparation: Print out the counter list.

- 1. Press the [Counter] key on the control panel (see "CONTROL PANEL") and print out the counter list.
- 2. Switch the machine off. (See "SWITCH THE MACHINE OFF BEFORE BEGINNING ANY PROCEDURE!")

#### Procedure

- 1. Open the left and right front cover.
- 2. Rotate the lock lever (1) of the registration unit drawer counterclockwise, and then pull the drawer toward you.



- 3. Using the hex driver, remove the black screw in the rear lock (1), and then slide the rear lock to the rear end.
- 4. Using the hex driver, remove the black screw in the front lock (2), and then slide the front lock to the front end.



5. Holding the paper transfer roller unit (1) with both hands, carefully lift it up and out.

**Important**: To avoid toner spillage while handling the paper transfer roller unit, always keep the paper transfer roller unit level.



## 8.2 INSTALLING THE PAPER TRANSFER ROLLER UNIT

#### Procedure

- While holding the paper transfer roller unit (1) with both hands, align the stays (2) of the paper transfer roller unit with the shafts of the registration unit drawer, and then set the paper transfer roller unit on the registration unit drawer.
- 2. Slide the rear lock (3) forward to align it with the shaft screw hole.
- 3. Slide the front lock (4) backward to align it with the shaft screw hole.



Important: Install the paper transfer roller unit securely, as shown below.



4. Using the hex driver, turn the black screws to lock the front (1) and rear (2) locks.



- 5. Carefully the registration unit drawer into the machine until it can go no further and locks into place.
- 6. Rotate the lock lever (1) of the registration unit drawer clockwise.



- 7. Reconnect the ground leakage circuit breaker for the machine and fixing heater.
- 8. Press the main power switch to turn the machine on, close the left and right front cover, and then wait for the machine to warm up.
- 9. Open the TCRU display. (See "OPENING THE TCRU DISPLAY".)
- 10. Press [Paper Transfer Roller Unit] button.



- 11. Press the [Reset PM Counter:Paper Transfer Roller Unit] button.
- 12. If a confirmation message appears, press the [Continue] button. **Note:** The counter will be reset.
- 13. When the counter is reset, press the [Confirm] button.

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