

bizhub PRESS

C7000/C7000P/C6000/C70hc

ORU-M (Operator Replaceable Unit Management)
REPLACEMENT INSTRUCTIONS
Safety Information





Contents

1 Introduction

2 Safety Precautions

2.1	Notices for Safety	2-2
2.1.1	Meanings of Indicators	2-2
2.1.2	Meanings of symbols.....	2-2
2.2	Precautions when replacing units.....	2-3
2.2.1	Preparation Tasks before replacing units	2-3
2.2.2	ORU-M Replacement Tasks.....	2-3
2.2.3	Power Plug	2-4
2.2.4	Actions in response to troubles	2-4
2.3	Caution Labels and Indicators.....	2-5



Introduction

1 Introduction

The Objectives of ORU-M (Operator Replaceable Unit Management)

ORU-M system enables users to replace the machine units by themselves. It also helps to minimize machine downtime.

Notice to users of ORU-M

Make sure you take trainings and obtain a certificate of approval before using the ORU-M.

When replacing the machine units, please follow the instructions written in the ORU-M (Operator Replaceable Unit Management) REPLACEMENT INSTRUCTIONS.

To perform replacement tasks safely and reliably, keep the ORU-M (Operator Replaceable Unit Management) REPLACEMENT INSTRUCTIONS and do not lose them. If you lose the instructions, contact your service representative.

Registered Trademarks

bizhub PRESS is a trademark of Konica Minolta Business Technologies, Inc.
Copyright © 2010 Konica Minolta Business Technologies, Inc.

Safety Precautions

2 Safety Precautions

2.1 Notices for Safety



The followings are what you need to follow to safely replace the units. Please be sure to read the precautions before replacing the units.

- Keep the ORU-M REPLACEMENT INSTRUCTIONS at hand for your future reference and be careful not to lose it.
- Make sure you follow the safety precautions listed in the ORU-M REPLACEMENT INSTRUCTIONS.







2.1.1 Meanings of Indicators

The various types of indicators are used as warning in the ORU-M REPLACEMENT INSTRUCTIONS and on the product labels to prevent injury to you and other and damage to property.

The table below lists symbols and their meanings.

	Warning	Failure to heed this warning could cause serious injury or even death.
	Caution	Failure to heed this caution could result in injury or damage to property.

2.1.2 Meanings of symbols

	<p>A triangle indicates a danger against which you should take precaution. You can find details of the precautions depicted within into the symbol. (Example)</p> <p> A symbol representing "High Temperature".</p>
	<p>A diagonal line indicates a prohibited course of action. You can find specific forbidden actions within or near the symbols. (Example)</p> <p> A symbol representing "Prohibition of Disassembly".</p>
	<p>This symbol indicates an imperative course of action. You can find specific instructions within the symbols. (Example)</p> <p> A symbol meaning "Unplug the Power Cord".</p>

2.2 Precautions when replacing units

2.2.1 Preparation Tasks before replacing units



Caution

When replacing the units, be sure to receive instructions from our customer engineer, read the ORU-M REPLACEMENT INSTRUCTIONS in entirety and perform tasks in the specified order with appropriate tools. Do not perform any tasks that are not described in the ORU-M REPLACEMENT INSTRUCTIONS. Failure to follow specified order or use appropriate tools could result in injury or physical damage to the product.



Please be careful when handling the fusing unit since it can be very hot.
It could cause a burn.



2.2.2 ORU-M Replacement Tasks



Warning

Do not drop metal pieces such as clips, staples and screws inside the product or into crevices in it. They could cause a short-circuit in the product, resulting in an electric shock or a fire.



Ensure cables are not pinched or damaged.
It could cause an electric shock or a fire due to electric leakage.



2.2.3 Power Plug



Warning

Do not unplug or plug in the power cord with a wet hand, as you could receive an electrical shock.



Plug the power cord all the way into the power outlet. Failure to do this could result in a fire or an electrical shock.



Caution

Do not tug the power cord when unplugging. Tugging the cord to do this could damage it, resulting in a fire, electrical shock, or breakdown.



2.2.4 Actions in response to troubles



Warning

If it becomes inordinately hot or emits smoke, or an unusual odor or noise, immediately turn off the power switch of the product, and then unplug the power cord from the outlet and contact your authorized service engineer.



If the units have been dropped or the covers damaged, immediately turn off the power switch of the product, and then unplug the power cord from the outlet and contact your authorized service engineer. If you continue using it in this condition, a fire or electrical shock could result.



Caution

The inside of this product has areas subject to high temperature, which may cause burns. When inspecting the inside of the product such as when replacing the units, do not touch the locations (around the fusing unit, etc.) which are indicated by a "High Temperature" caution label.



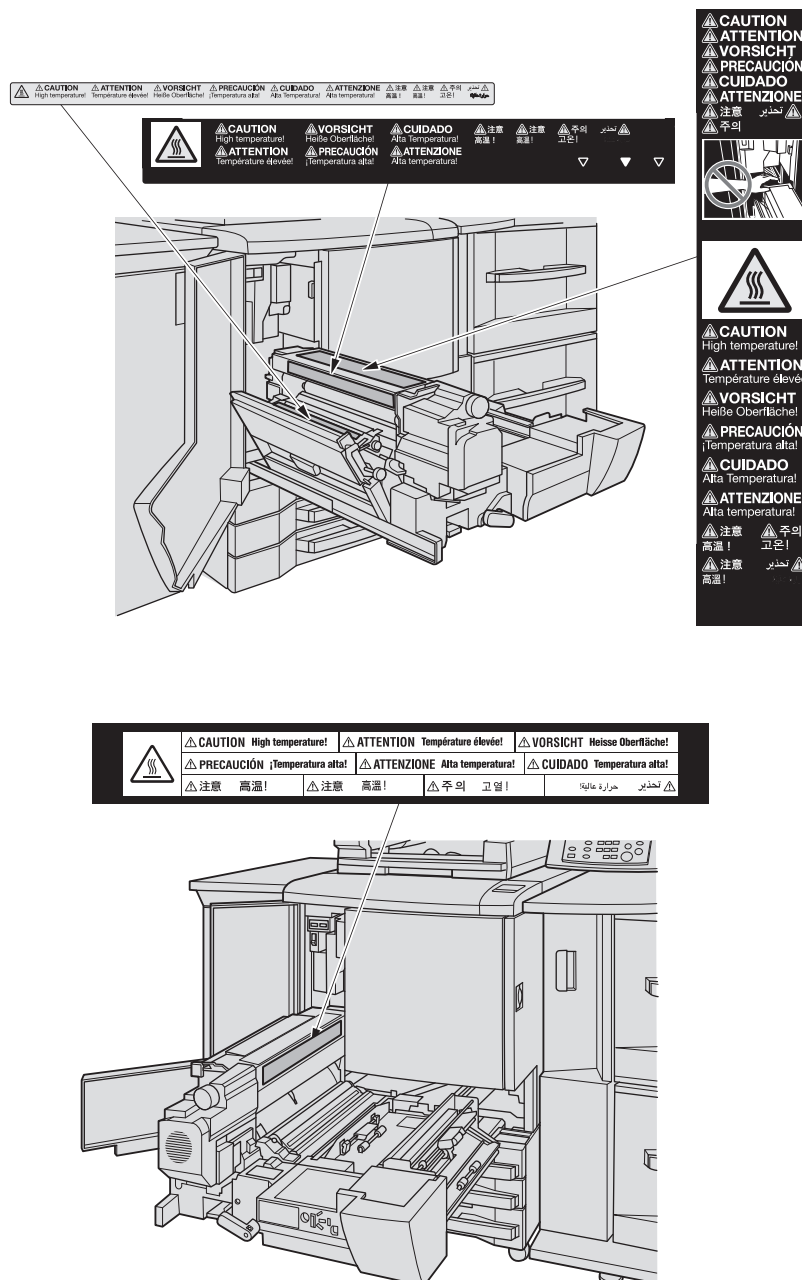
2.3 Caution Labels and Indicators

This machine has warning label, caution labels and indicators for safety precaution in the following location. These labels and indicators advise you to pay special attention to avoid any dangerous situations or serious injury when you replace the units.

⚠ CAUTION

DO NOT touch the fusing part of the fixing unit. Otherwise, you may get burned.

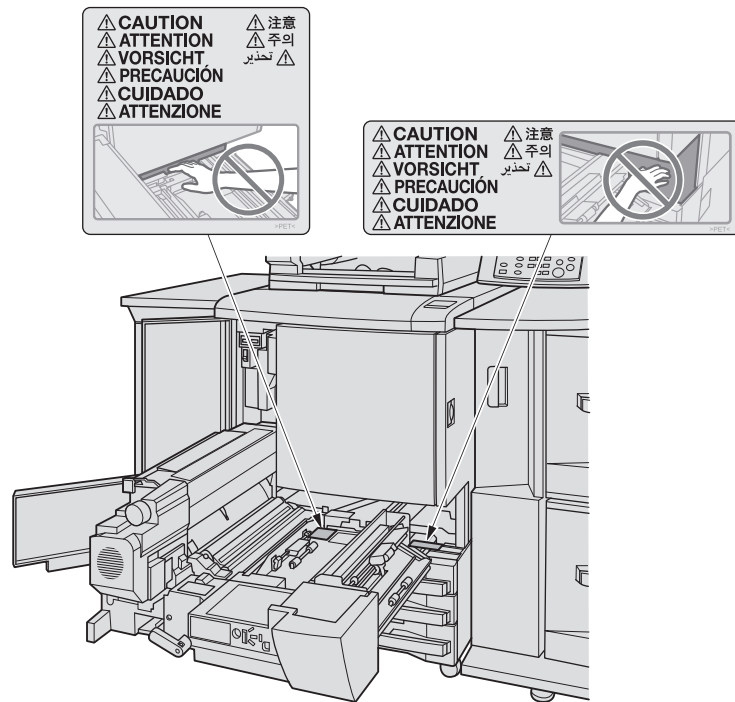
- Please be especially careful in withdrawing the ADU drawer or replacing the fixing unit.



⚠ CAUTION

DO NOT put your hand or arm between the main body and ADU drawer.

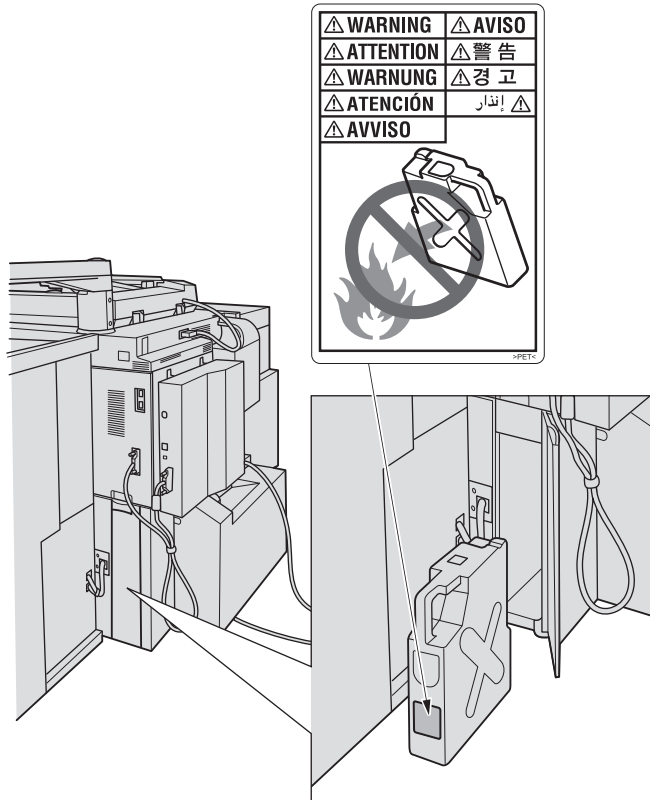
- Touching connecting terminals of electric parts may damage the machine or cause unexpected trouble. Please do not try to work yourself, but contact your service representative.



⚠ WARNING

NEVER throw the toner recovery box into a fire.

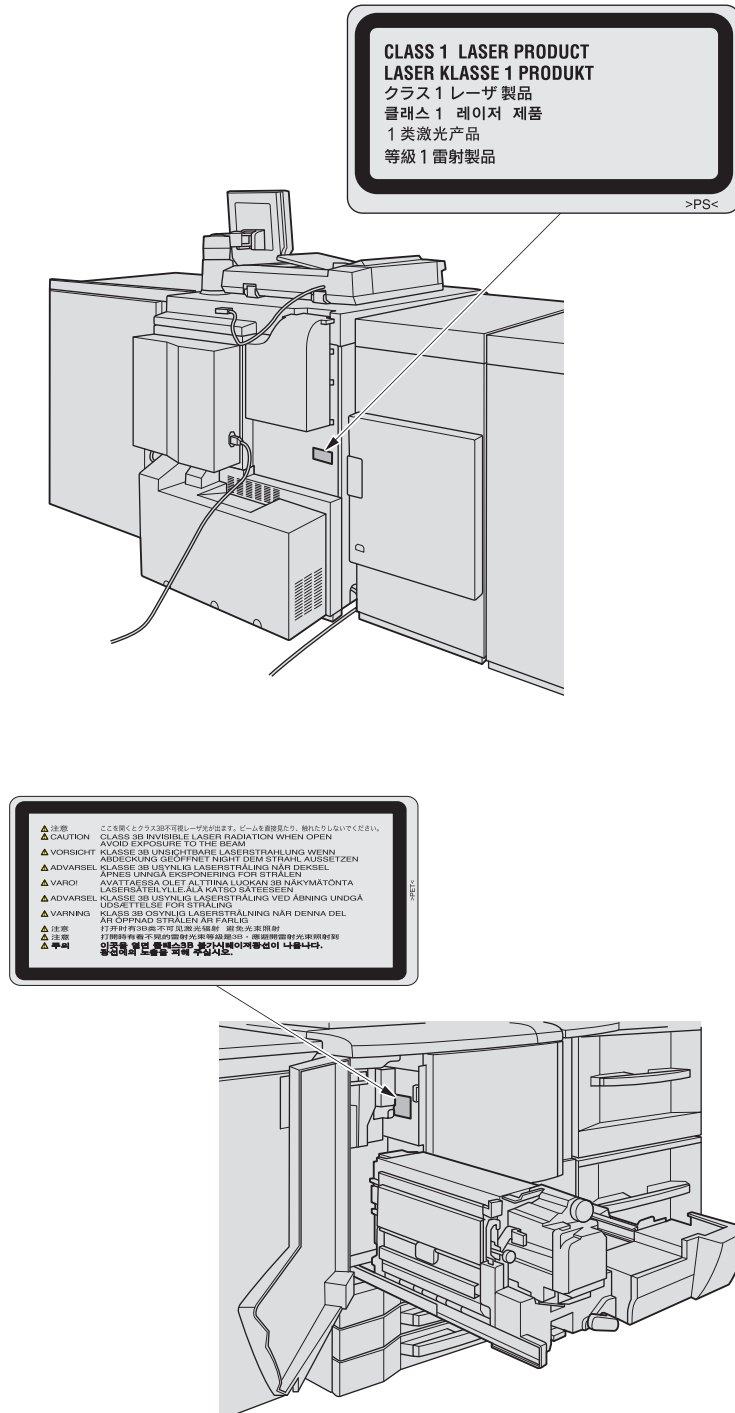
- Otherwise, the toner may ignite and cause a dangerous situation.



⚠ CAUTION

NEVER remove the cover under any circumstances.

- Please contact your service representative for removal of the cover, if required.





KONICA MINOLTA

<http://konicaminolta.com>

bizhub PRESS

C7000/C7000P/C6000/C70hc

ORU-M (Operator Replaceable Unit Management)
REPLACEMENT INSTRUCTIONS
Charging Corona (YMCK)





Contents

1	Introduction	
2	Preliminary Preparation to Replace ORU-M Units	
2.1	Preliminary Preparation to Replace ORU-M Units	2-2
3	Replacing ORU-M Units	
3.1	Charging Corona (YMCK)	3-2
4	Adjustment after Replacing the ORU-M Units	
4.1	Adjustment after Replacing the ORU-M Componets.....	4-2



Introduction

1 Introduction

The Objectives of ORU-M (Operator Replaceable Unit Management)

ORU-M system enables users to replace the machine units by themselves. It also helps to minimize machine downtime.

Notice to users of ORU-M

Make sure you take trainings and obtain a certificate of approval before using the ORU-M.

When replacing the machine units, please follow the instructions written in the ORU-M (Operator Replaceable Unit Management) REPLACEMENT INSTRUCTIONS.

To perform replacement tasks safely and reliably, keep the ORU-M (Operator Replaceable Unit Management) REPLACEMENT INSTRUCTIONS and do not lose them. If you lose the instructions, contact your service representative.

Registered Trademarks

bizhub PRESS is a trademark of Konica Minolta Business Technologies, Inc.
Copyright © 2010 Konica Minolta Business Technologies, Inc.



Preliminary Preparation to Replace ORU-M Units

2 Preliminary Preparation to Replace ORU-M Units

When replacing the ORU-M units, switch to the ORU-M mode, and then replace the ORU-M units in accordance with the procedures on the screens.

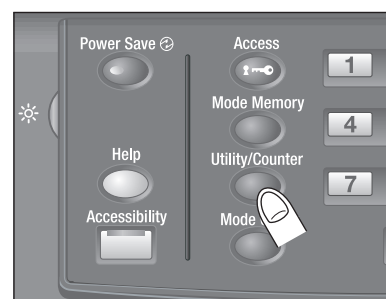
This guide explains the following topics in the order displayed on the screen. Refer to "2 Preliminary Preparation to Replace the ORU-M Units" for the preliminary preparation after you switch to the ORU-M mode and before replacing the units, "3 Replacing ORU-M Units" for the procedures to replace each unit, and "4 Adjustment after Replacing the ORU-M Units" for adjustment procedures after replacing the units.

Print out this guide and keep it at hand for your reference before you start replacement work.

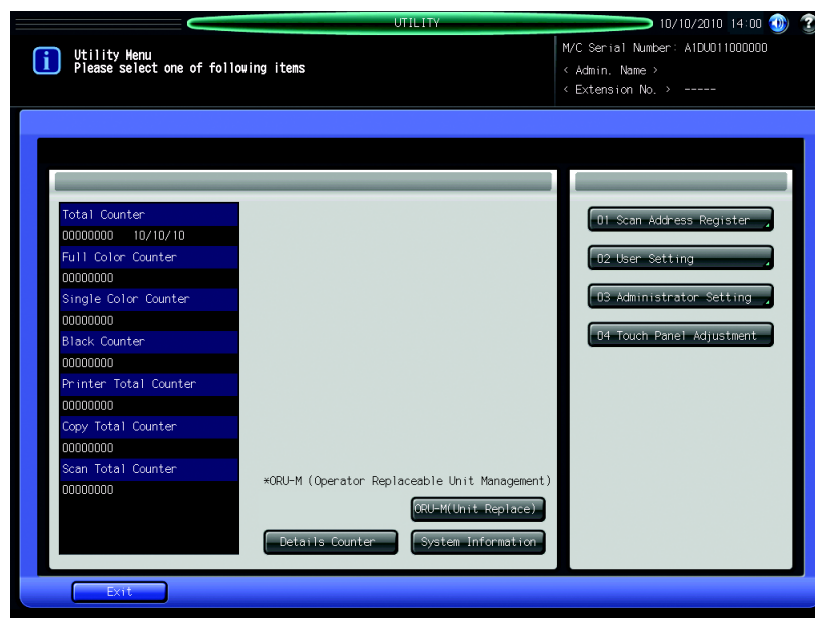
2.1 Preliminary Preparation to Replace ORU-M Units

Before replacing the ORU-M units, follow the procedure below to switch to the ORU-M mode.

- 1 Press [Utility/Counter].
The Utility screen is displayed.



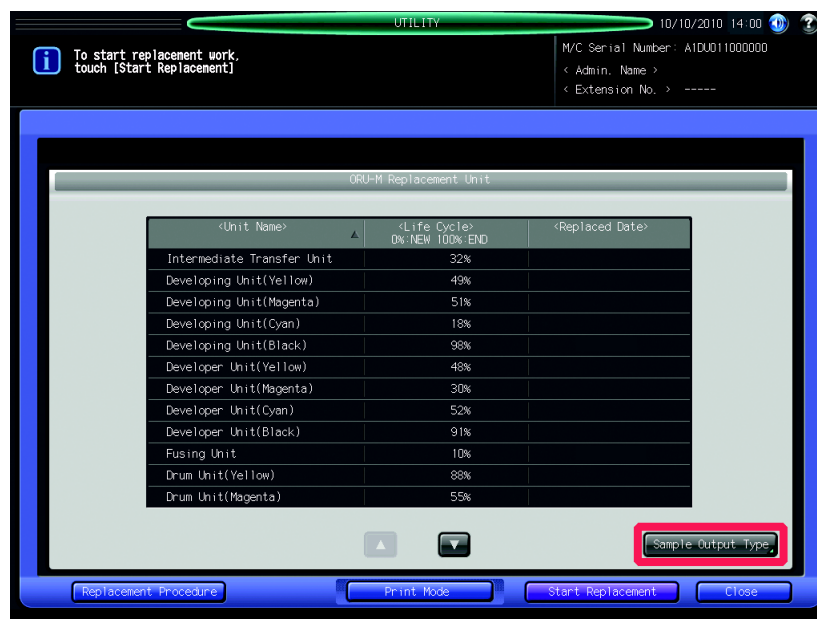
- 2 Press [ORU-M (Unit Replace)].



The ORU-M Replacement Unit screen is displayed. Unit names, life cycles, and replaced dates for the ORU-M units are listed on this screen.

3 Output a sample of the current machine.

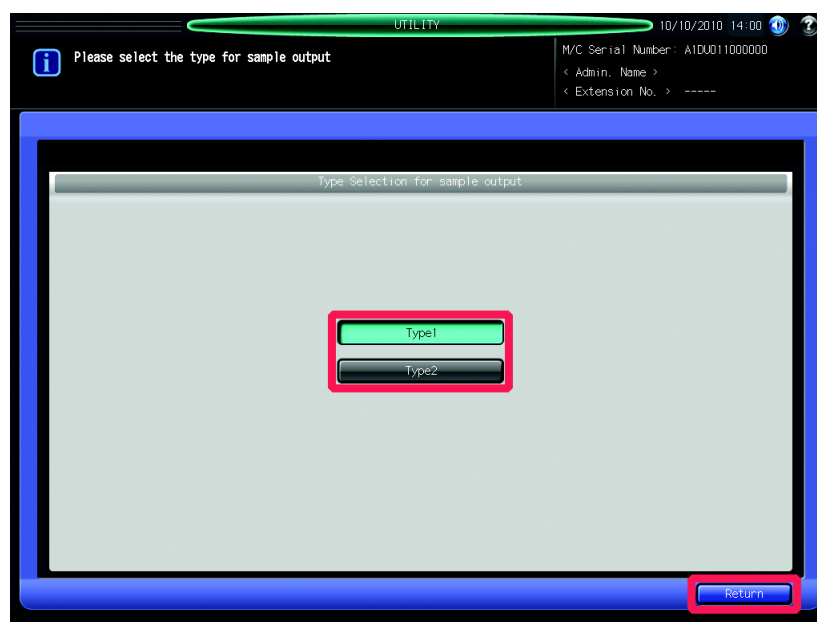
Press [Sample Output Type]. The Type Selection for sample output screen is displayed.



4 Select either [Type1] or [Type2].

Type1: Halftone output.

Type2: Color (CMK) output.



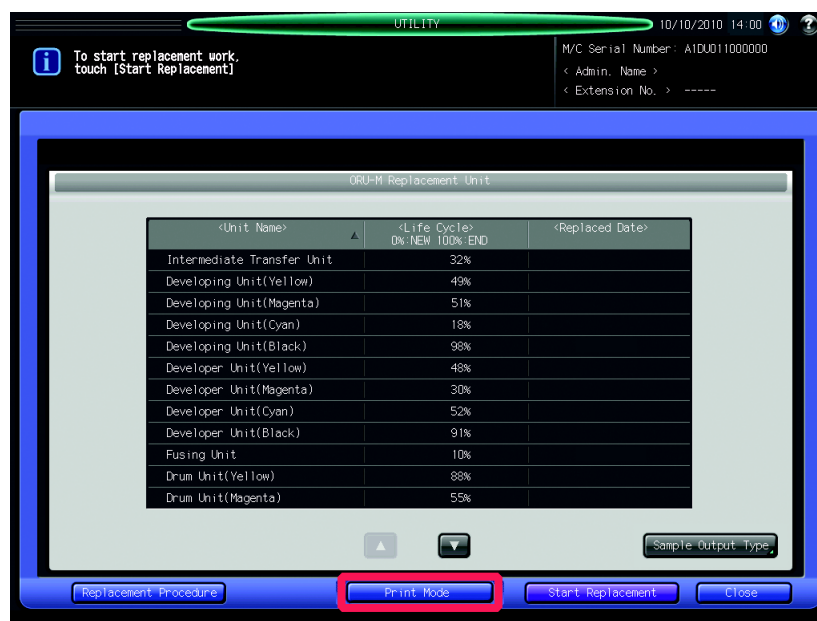
Important

Make sure to print both Type1 and Type2 for sample output.

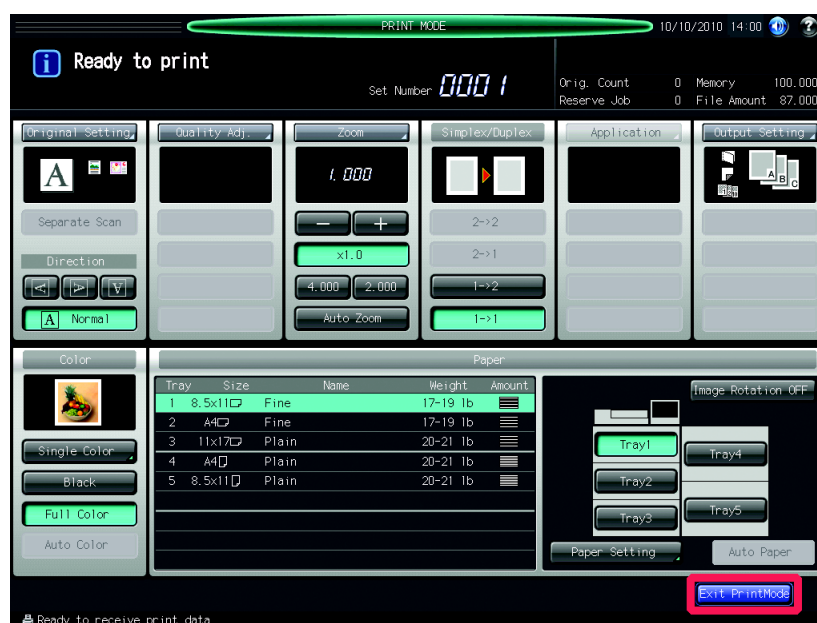
Press [Return]. It will return to the ORU-M Replacement Unit screen.

5 Press [Print Mode].

The PRINT MODE screen is displayed.



6 Select a tray for A3 or 11 × 17 paper, then press **Start** on the control panel.



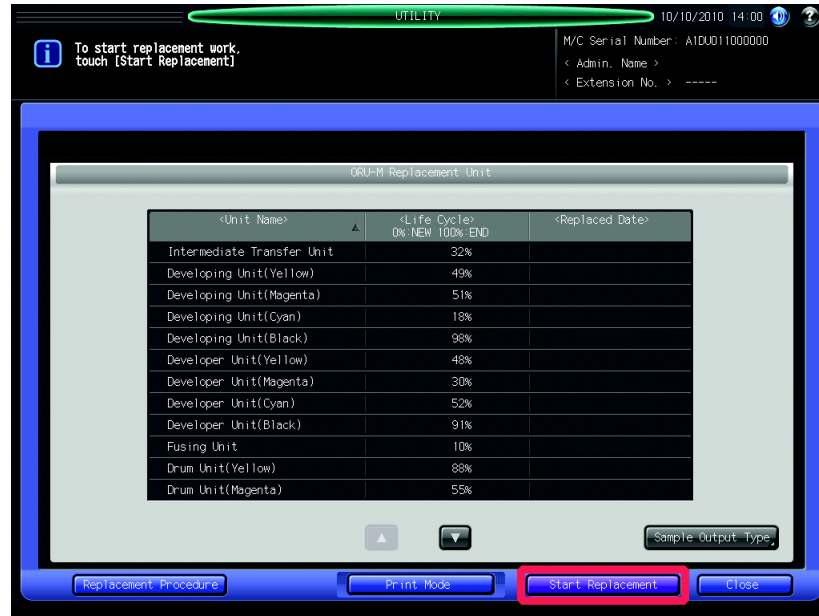
Important

You can not output the entire sample if you specify a paper size other than A3 or 11 × 17.

7 Press [Exit PrintMode]. It will return to the ORU-M Replacement Unit screen.

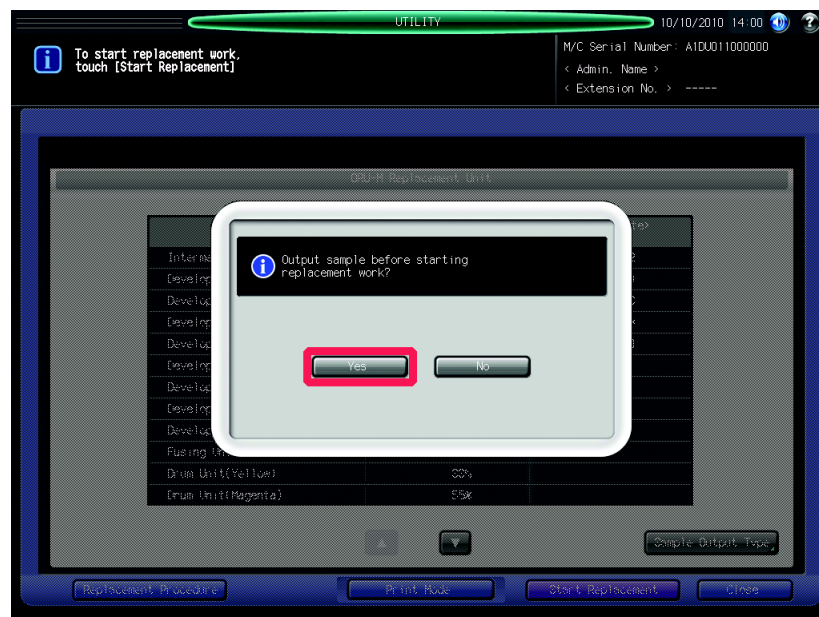
8 Repeat steps 3 to 7 to output both samples of [Type1] and [Type2].

9 Press [Start Replacement].



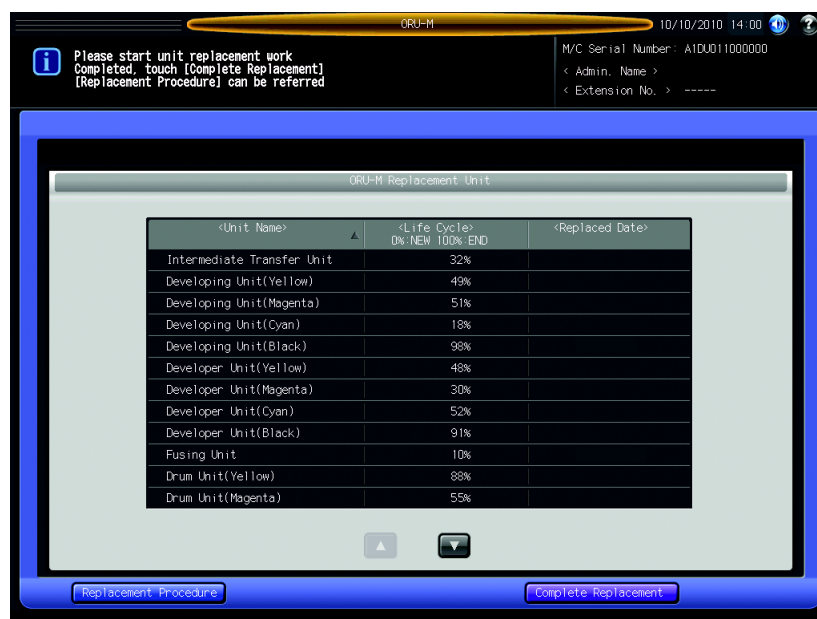
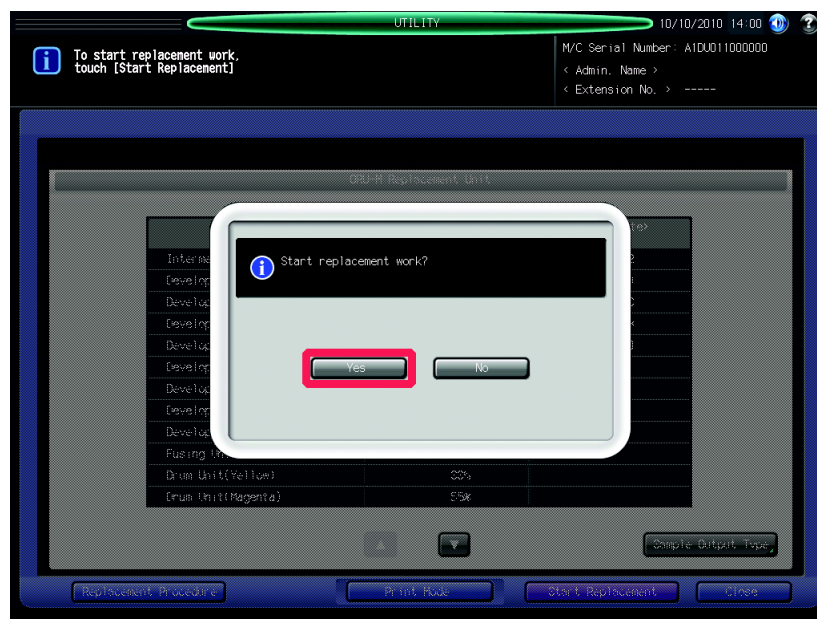
10 Press [Yes].

The machine automatically turns off.

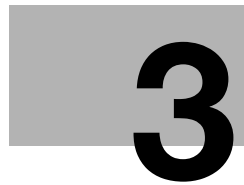


11 If you want to start replacement works, press [Yes].

It automatically switches to ORU-M replacement mode, returns to the ORU-M Replacement Unit screen.

**12** Please refer to the "3 Replacing ORU-M Units" to replace the units.**Important**

You can check the procedures of unit replacement on the screen when replacing the units.



Replacing ORU-M Units

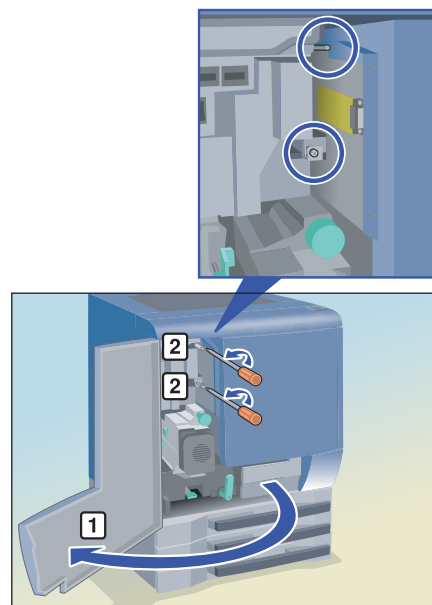
3 Replacing ORU-M Units

3.1 Charging Corona (YMCK)

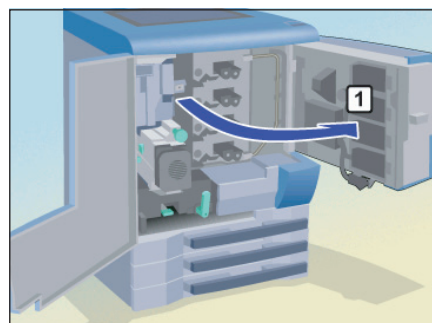
Important

You can check the procedures of the unit replacement on the screen when replacing the units.

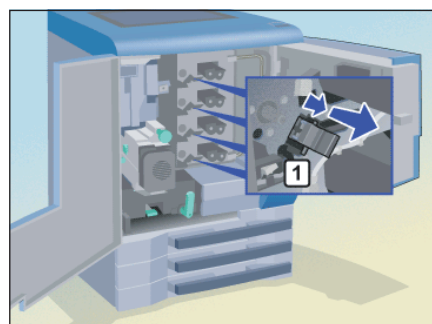
- 1 Open the front door [1] of the main body and loosen the screws [2] (2 pieces).



- 2 Open the toner hopper unit door [1].



- 3 Push the handle [1] of the charging corona downward to the right, then pull out the charging corona toward you.

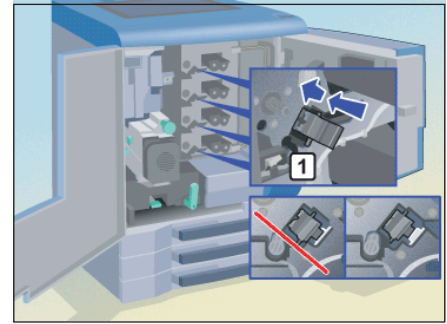


- 4 Take the new charging corona from the box.

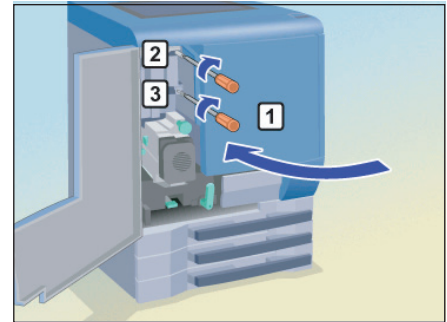
- 5 Insert a new charging corona [1]. The space between the drum unit and the charging corona will be proper after you insert the charging corona backward until it stops.

Important

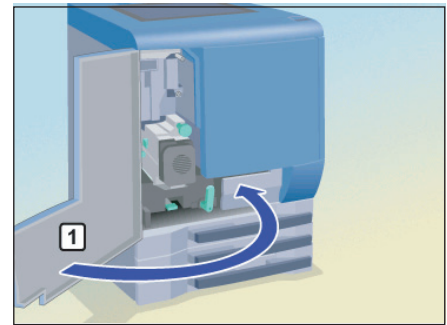
Please be careful not to push hard, otherwise it may be deformed. Insert the charging corona until the lock part (white) appears. If it is not properly inserted, images can be distorted. The replacement procedure is same for YMCK.



- 6 Close the toner hopper unit door [1] and fix it with the screws [2] and [3] (1 piece for each).



- 7 Close the front door [1] of the main body.



4

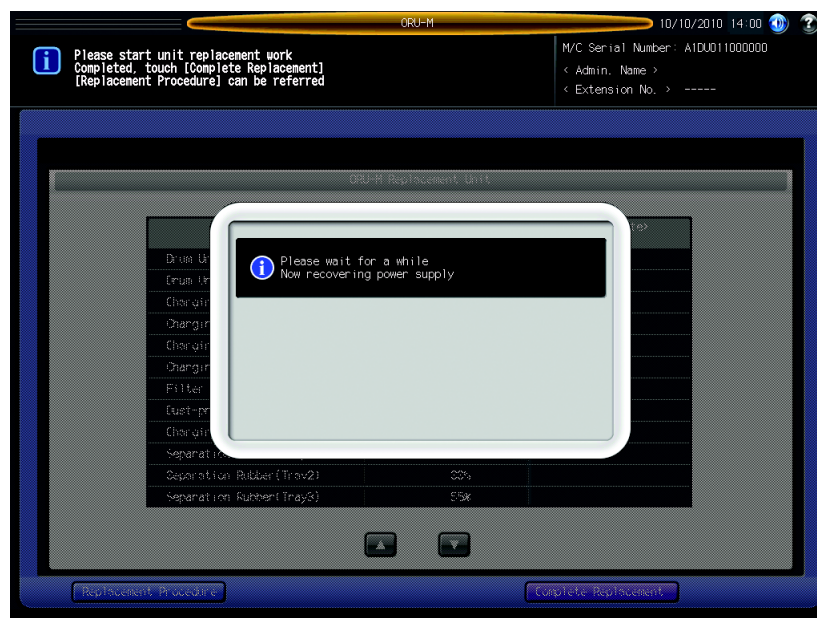
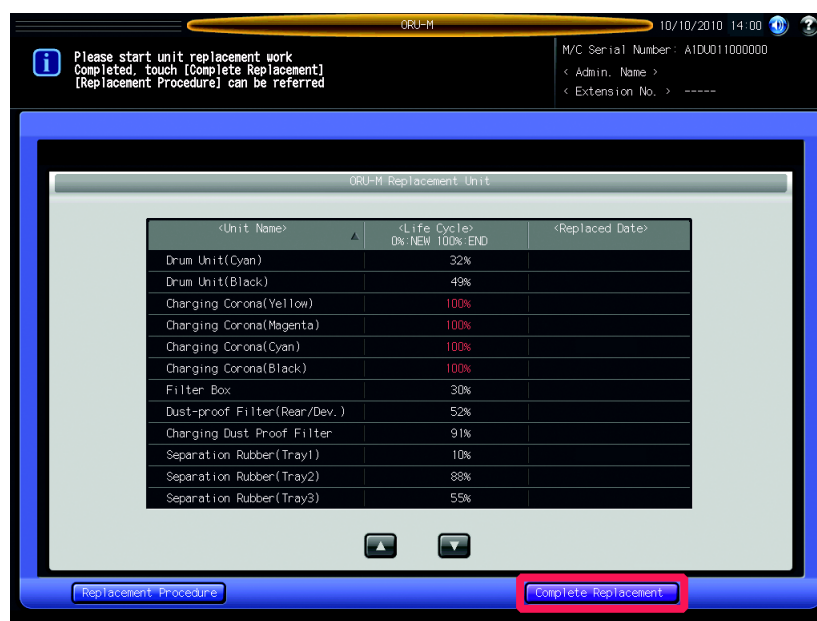
Adjustment after Replacing the ORU-M Units

4 Adjustment after Replacing the ORU-M Units

After replacing the ORU-M units, make adjustments on them.

4.1 Adjustment after Replacing the ORU-M Componets

- 1 After replacing the ORU-M units, press [Complete Replacement] on the ORU-M Replacement Unit screen.



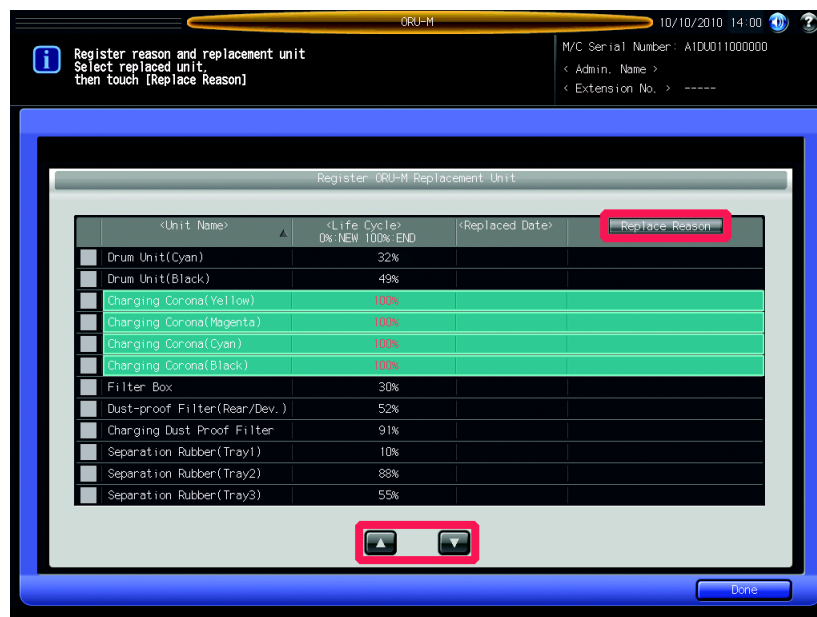
The machine automatically turns on and the Register ORU-M Replacement Unit screen is displayed.

Important

Please make sure that you fix the toner hopper unit with the screws and close the front door. Otherwise, the machine will not automatically turn off.

2 Select the row of the unit that you replaced.

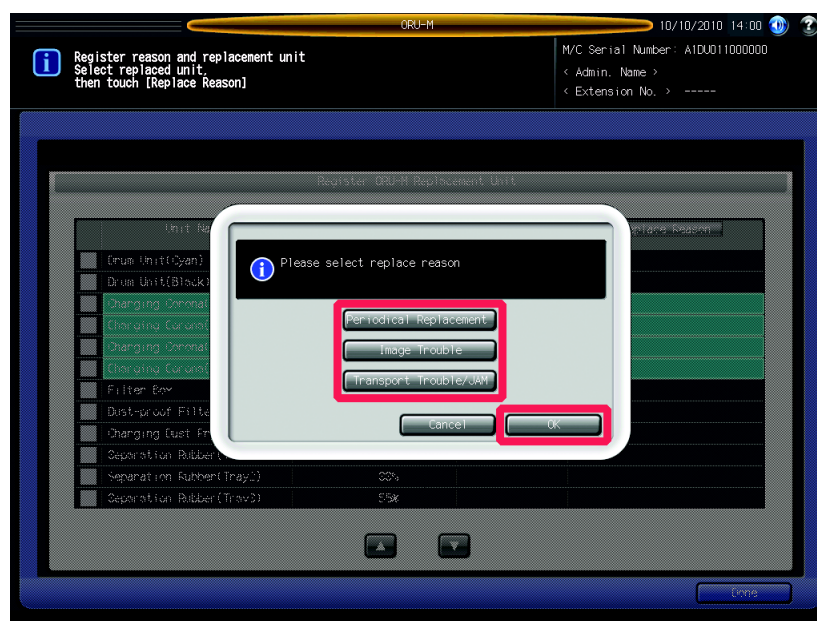
- If the unit that you replaced is not displayed on the screen, press [▲] [▼] to display it.
- If you replaced multiple units, you can configure several units at once by selecting units with the same replacement reason and setting the reason to the units.



3 Press [Replace Reason] to display a dialog box asking a replacement reason. Select a reason, then press [OK].

Important

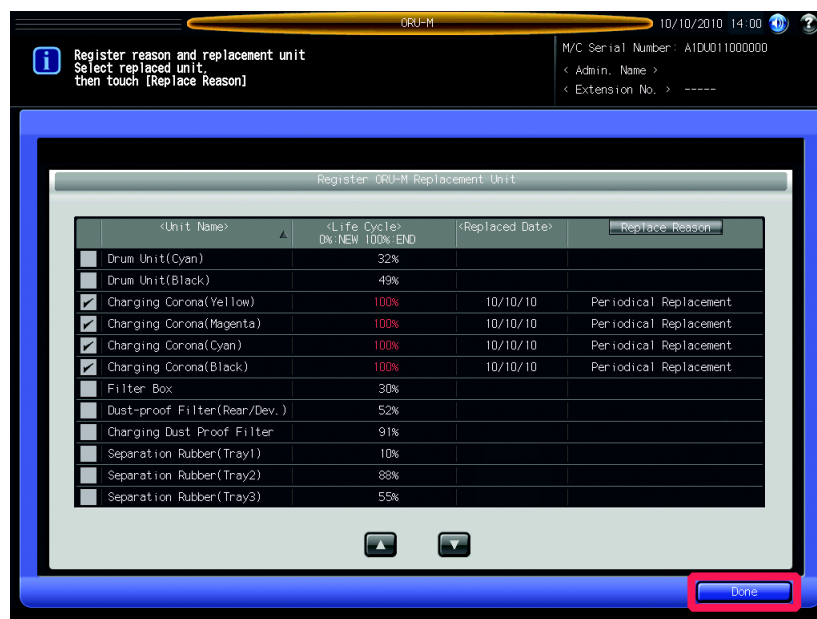
Please make sure to set a replacement reason for the replaced units. Otherwise, it does not reset a counter for the Life Cycle of the units and you can not properly adjust the units in next steps.



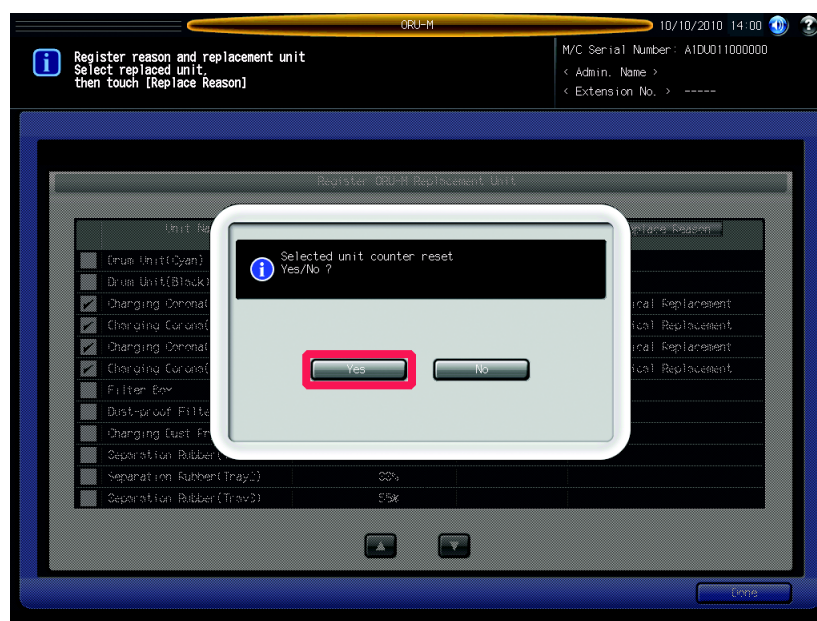
After you set a replacement reason for the replaced units, a check will appear in the checkbox left of the unit name.

- 4 Repeat step 2 to 4 until you set reasons for all units that you replaced.
- 5 Press [Done].

A dialog box is displayed, with a checkbox to choose whether to reset the counters of the units.



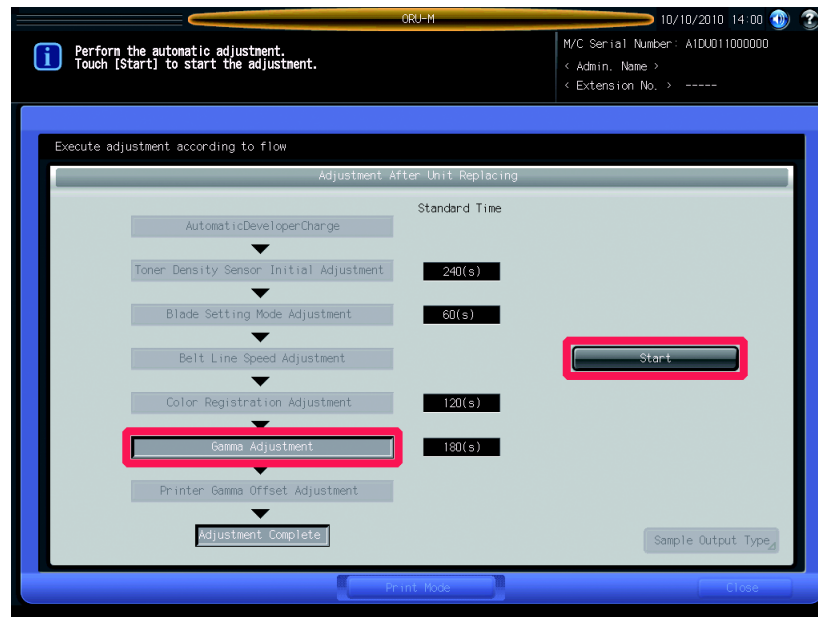
- 6 Press [Yes].



The Adjustment After Unit Replacing screen is displayed.

7 Press [Start].

→ [Start] appears grayed out on the screen for the units that do not need any adjustment after replacement. Proceed to step 16.



Adjustment Items

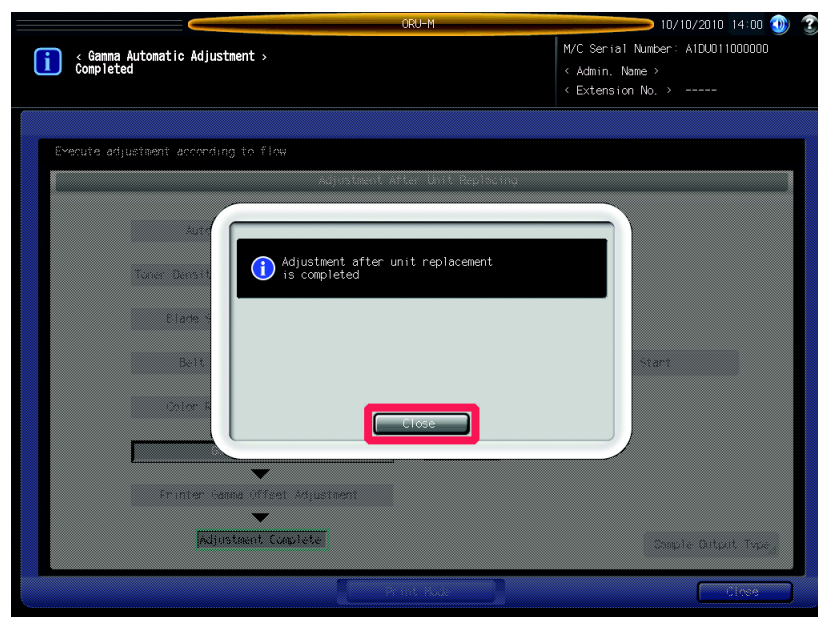
- Gamma Adjustment

Start to adjust the units.

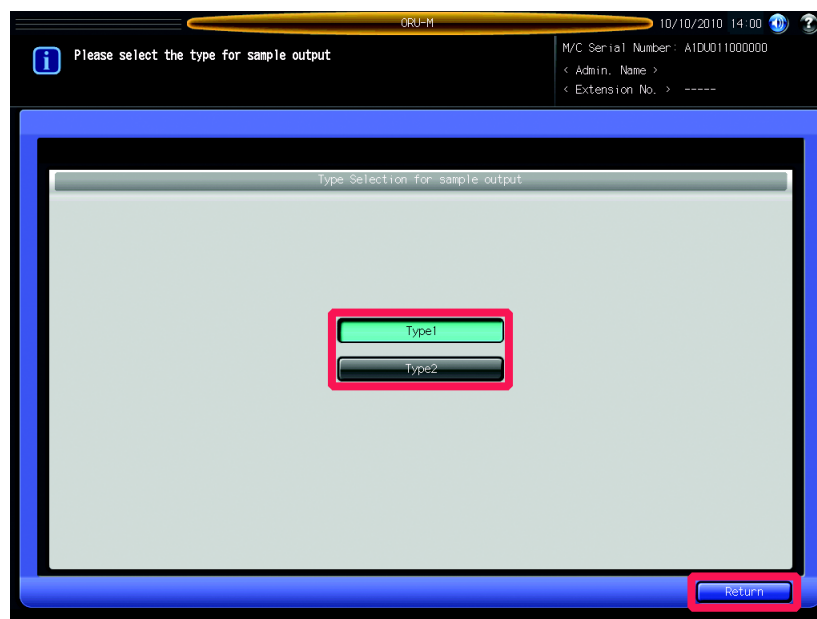
Standard time required to adjust is displayed for an auto-adjustment item in the right side of the item.

For a manual adjustment item, a screen for each item is displayed. When you finish manually adjusting the item, it automatically proceeds to the next screen.

8 Press [Close] in the [Adjustment after unit replacement is complete] dialog box. The Adjustment After Unit Replacing screen will be restored.



- 9 Press [Sample Output Type]. Output a sample after adjustment.
The Type Selection for sample output screen is displayed.
- 10 Select either [Type1] or [Type2].



Type1: Halftone output.

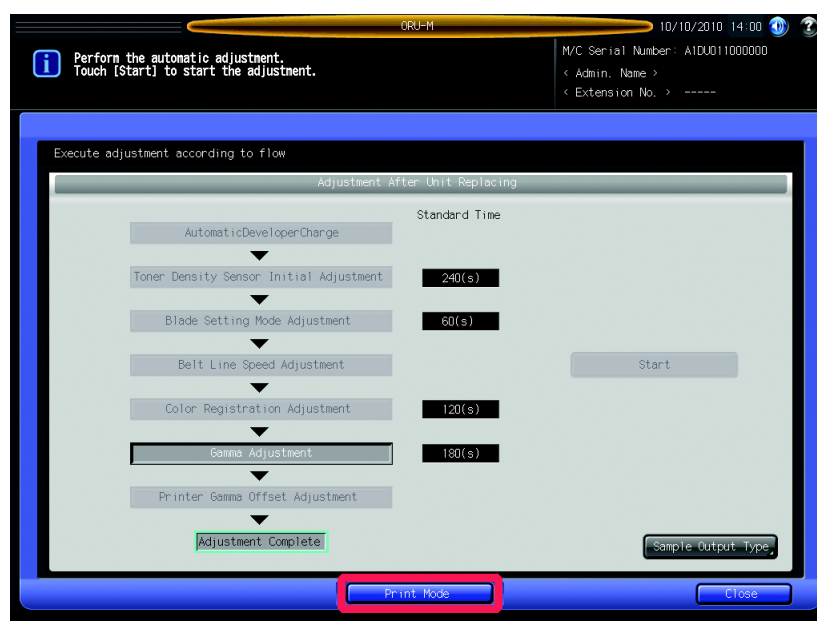
Type2: Color (CMK) output.

Important

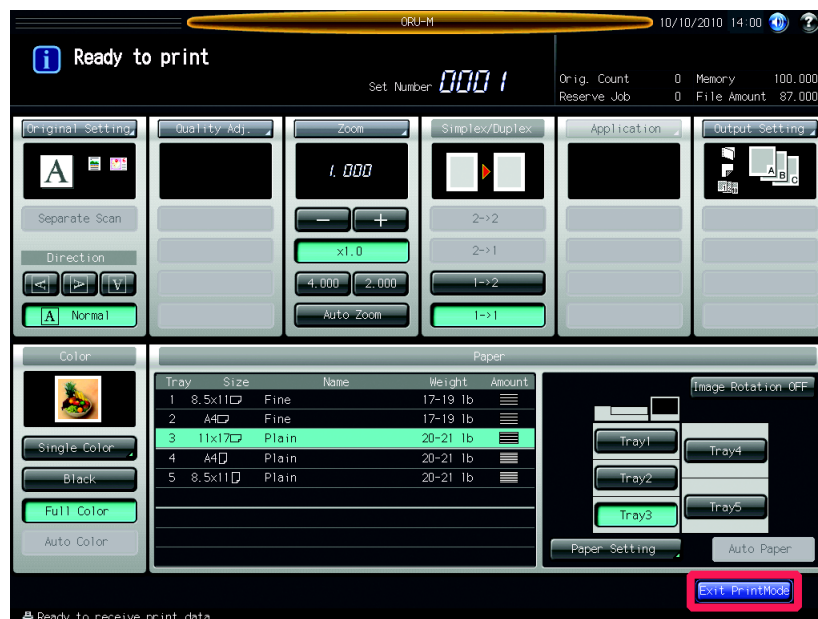
Make sure to print both Type1 and Type2 for sample output.

Press [Return]. The Adjustment After Unit Replacing screen will be restored.

- 11 Press [Print Mode]. The print mode screen is displayed.



- 12** Select a tray for A3 or 11 × 17 paper, and then press **Start** on the control panel.



- 13** Press [Exit PrintMode]. The Adjustment After Unit Replacing screen will be restored.
- 14** Repeat the step 9 to 13 to output samples of both [Type1] and [Type2].
- 15** Confirm the result of the adjustment by comparing the samples before and after the adjustment.
- 16** Press [Close] in the Adjustment After Unit Replacing screen. The Machine Status Screen will be restored.



KONICA MINOLTA

<http://konicaminolta.com>

bizhub PRESS

C7000/C7000P/C6000/C70hc

ORU-M (Operator Replaceable Unit Management)
REPLACEMENT INSTRUCTIONS
Developing Unit (YMCK)
Developer Unit (YMCK)





Contents

- 1 Introduction

- 2 Preliminary Preparation to Replace ORU-M Units
 - 2.1 Preliminary Preparation to Replace ORU-M Units 2-2

- 3 Replacing ORU-M Units
 - 3.1 Developing Unit (YMCK)..... 3-2

- 4 Adjustment after Replacing the ORU-M Units
 - 4.1 Adjusting the Developing Units and the Developers..... 4-2



Introduction

1 Introduction

The Objectives of ORU-M (Operator Replaceable Unit Management)

ORU-M system enables users to replace the machine units by themselves. It also helps to minimize machine downtime.

Notice to users of ORU-M

Make sure you take trainings and obtain a certificate of approval before using the ORU-M.

When replacing the machine units, please follow the instructions written in the ORU-M (Operator Replaceable Unit Management) REPLACEMENT INSTRUCTIONS.

To perform replacement tasks safely and reliably, keep the ORU-M (Operator Replaceable Unit Management) REPLACEMENT INSTRUCTIONS and do not lose them. If you lose the instructions, contact your service representative.

Registered Trademarks

bizhub PRESS is a trademark of Konica Minolta Business Technologies, Inc.
Copyright © 2010 Konica Minolta Business Technologies, Inc.



Preliminary Preparation to Replace ORU-M Units

2 Preliminary Preparation to Replace ORU-M Units

When replacing the ORU-M units, switch to the ORU-M mode, and then replace the ORU-M units in accordance with the procedures on the screens.

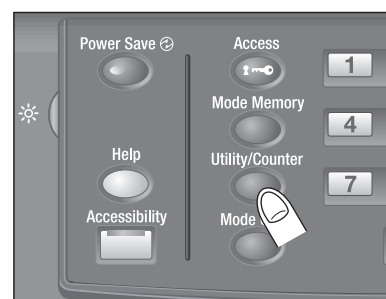
This guide explains the following topics in the order displayed on the screen. Refer to "2 Preliminary Preparation to Replace the ORU-M Units" for the preliminary preparation after you switch to the ORU-M mode and before replacing the units, "3 Replacing ORU-M Units" for the procedures to replace each unit, and "4 Adjustment after Replacing the ORU-M Units" for adjustment procedures after replacing the units.

Print out this guide and keep it at hand for your reference before you start replacement work.

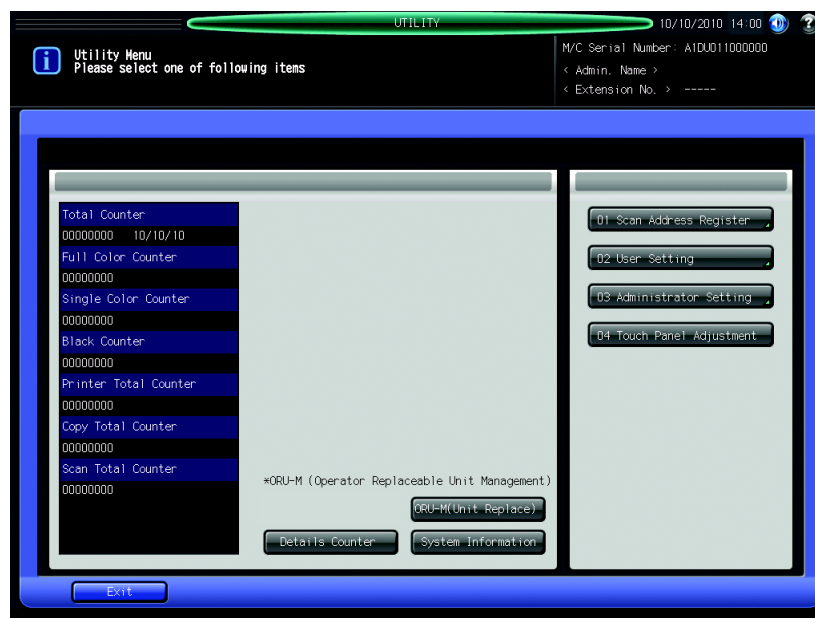
2.1 Preliminary Preparation to Replace ORU-M Units

Before replacing the ORU-M units, follow the procedure below to switch to the ORU-M mode.

- 1 Press [Utility/Counter].
The Utility screen is displayed.



- 2 Press [ORU-M (Unit Replace)].



The ORU-M Replacement Unit screen is displayed. Unit names, life cycles, and replaced dates for the ORU-M units are listed on this screen.

3 Output a sample of the current machine.

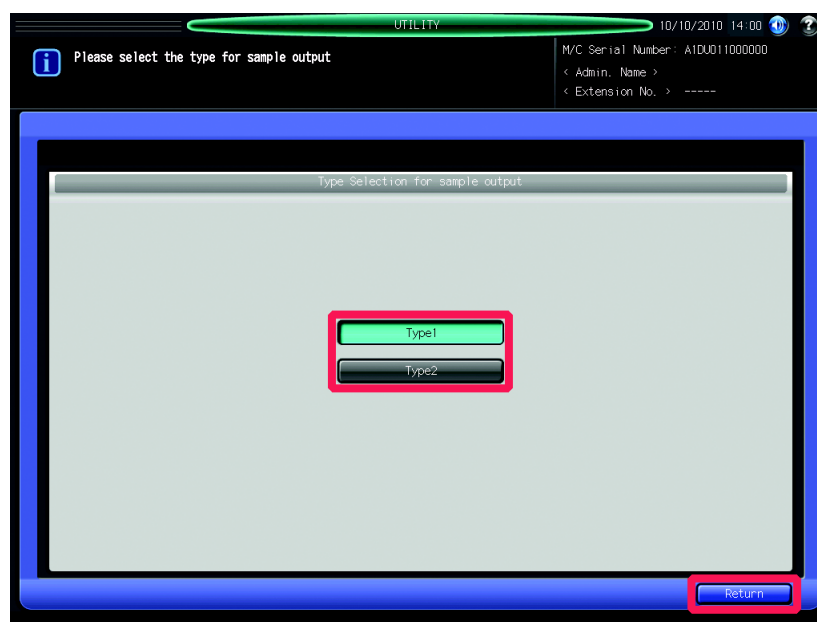
Press [Sample Output Type]. The Type Selection for sample output screen is displayed.



4 Select either [Type1] or [Type2].

Type1: Halftone output.

Type2: Color (CMK) output.



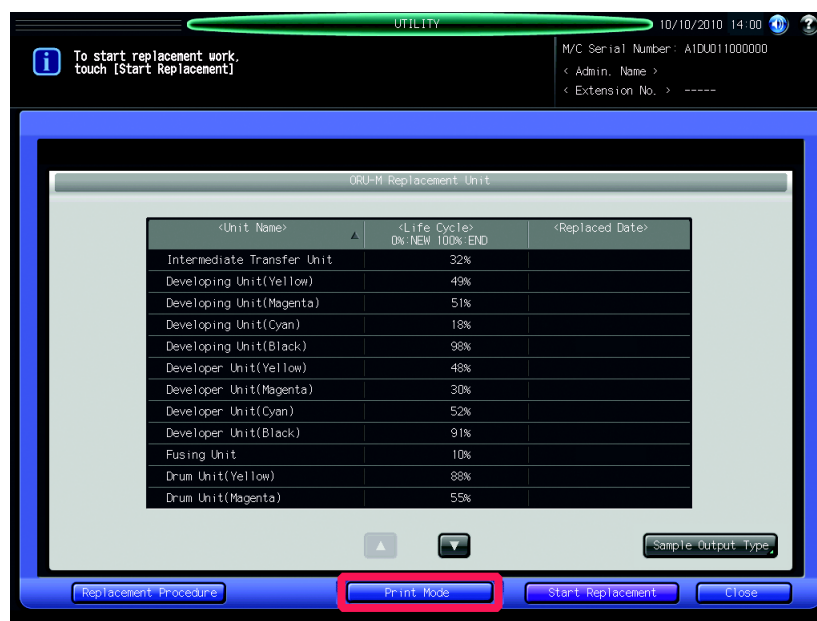
Important

Make sure to print both Type1 and Type2 for sample output.

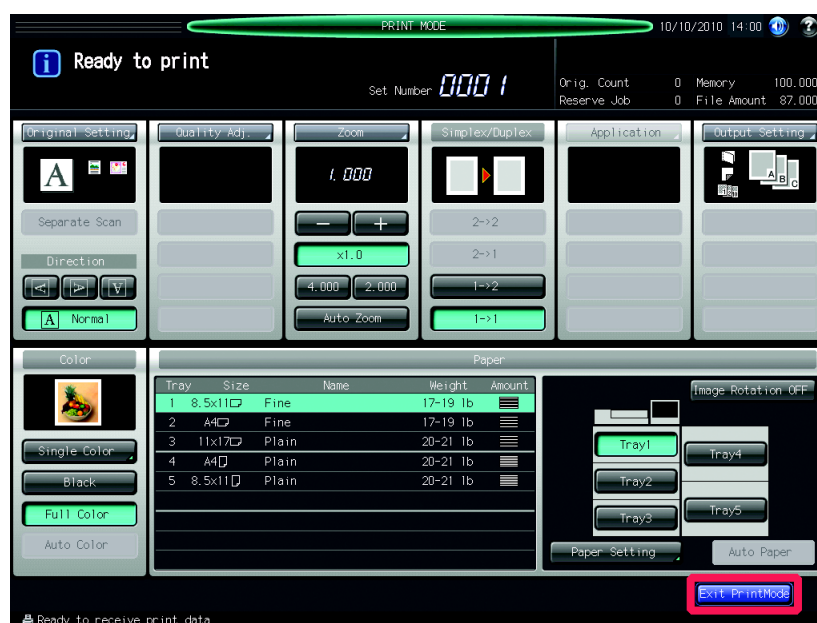
Press [Return]. It will return to the ORU-M Replacement Unit screen.

5 Press [Print Mode].

The PRINT MODE screen is displayed.



6 Select a tray for A3 or 11 × 17 paper, then press **Start** on the control panel.



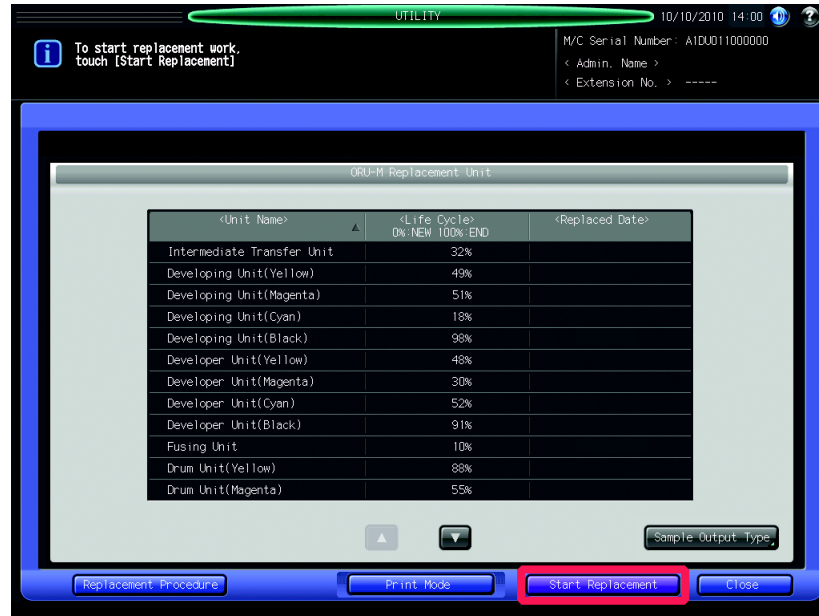
Important

You can not output the entire sample if you specify a paper size other than A3 or 11 × 17.

7 Press [Exit PrintMode]. It will return to the ORU-M Replacement Unit screen.

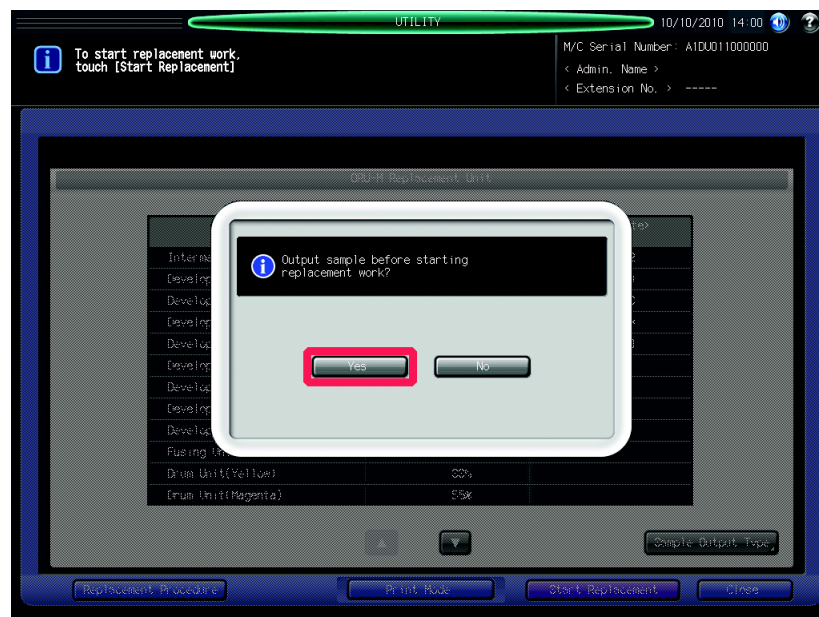
8 Repeat steps 3 to 7 to output both samples of [Type1] and [Type2].

9 Press [Start Replacement].



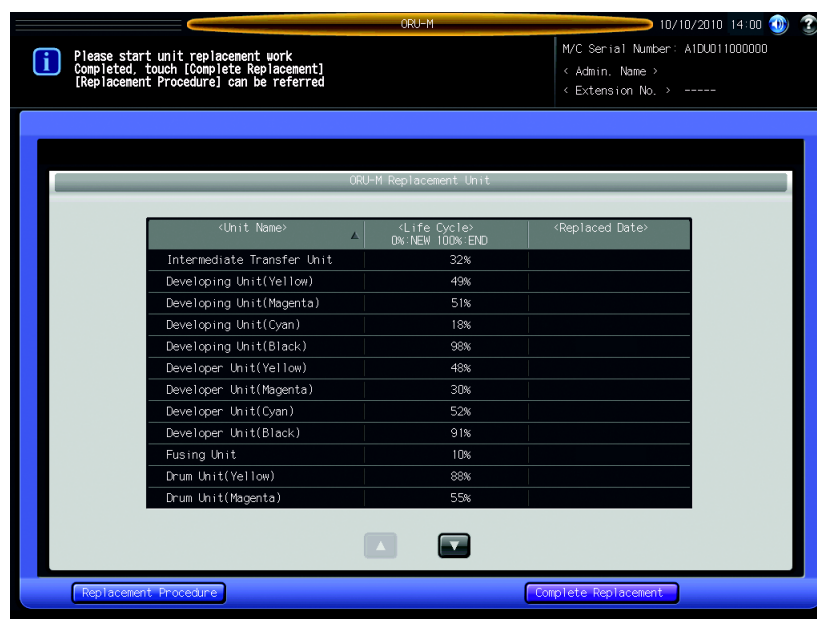
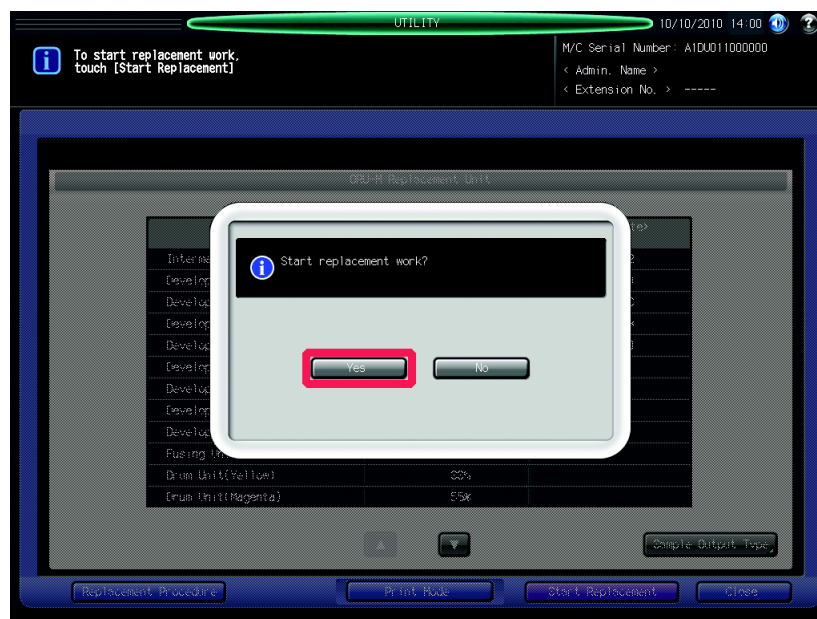
10 Press [Yes].

The machine automatically turns off.

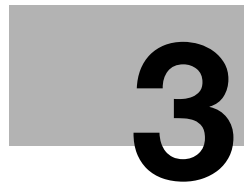


11 If you want to start replacement works, press [Yes].

It automatically switches to ORU-M replacement mode, returns to the ORU-M Replacement Unit screen.

**12** Please refer to the "3 Replacing ORU-M Units" to replace the units.**Important**

You can check the procedures of unit replacement on the screen when replacing the units.



Replacing ORU-M Units

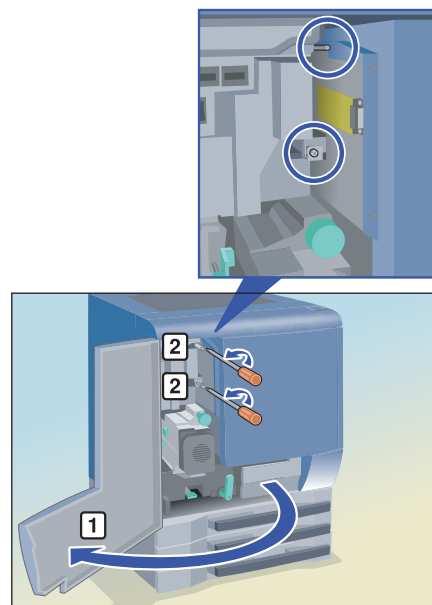
3 Replacing ORU-M Units

3.1 Developing Unit (YMCK)

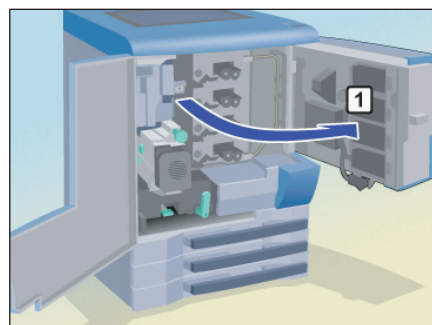
Important

You can check the procedures of the unit replacement on the screen when replacing the units.

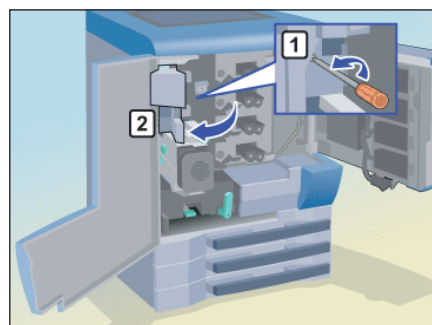
- 1 Open the front door [1] of the main body and loosen the screws [2] (2 pieces).



- 2 Open the toner hopper unit door [1].



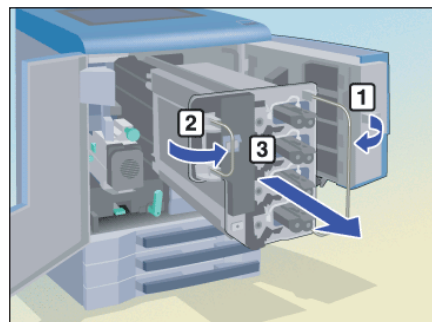
- 3 Loosen the screw [1] (1 piece) and open the front fan cover [2].



- 4 Pull up the right lever [1] and left lever [2] forward, then pull out the process unit [3].

Important

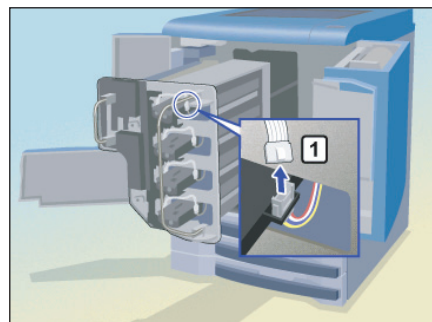
Hold the center of the lever when operating it.



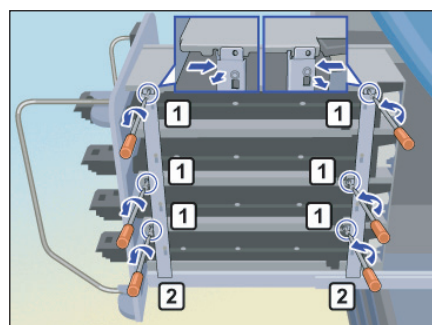
- 5 Disconnect the connector [1] around the lavender label by releasing the lock.

Important

The illustration represents an example of how to replace the yellow developing unit.



- 6 Remove the screws [1] (6 pieces).
Push and slide the developing pressure part [2] inward and remove it.

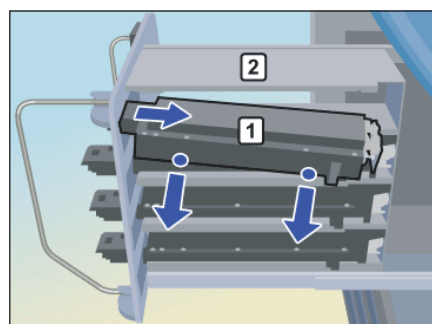


- 7 Remove the developing unit [1] to be replaced from the process unit [2].

Remove the rear side of the developing unit [1] from the main body, and then remove the entire developing unit from the process unit [2].

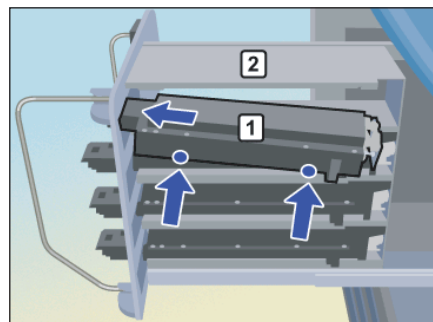
Important

When removing the developing unit, please be careful not to touch the developing roller or damage it. Please keep the developing unit horizontal. (The toner may spill out from the top cover of the developing unit.)



- 8 Take the new developing unit from the package and remove the tape on the outside.

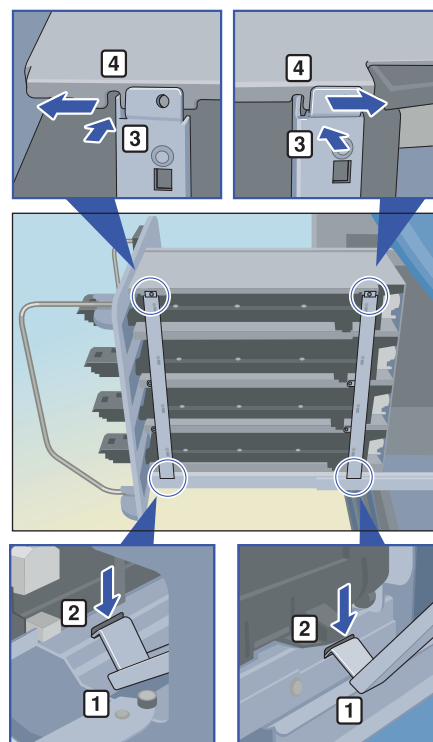
- 9** Insert the toner inlet side of the developing unit [1] and set the entire developing unit [1] inside the process unit [2].



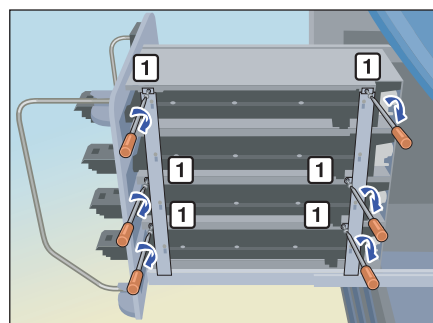
- 10** Insert the bottom [1] of the developing pressure part into the hole [2] of the process unit, set the top [3] of the developing pressure part into the groove [4] of the process unit, and then attach it to the unit by aligning the position of the screw-hole.

Important

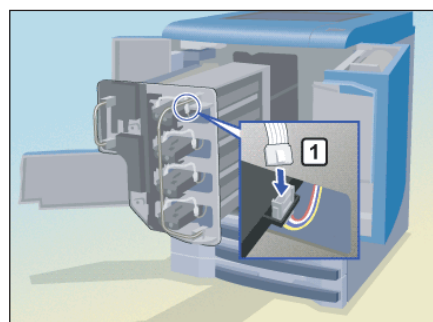
Please confirm that the spring of the developing pressure part is not bent when installing it. If the spring is bent when installing the developing pressure part, the power to press the developing unit of the developing pressure part may weaken.



- 11** Tighten the screws [1] (6 pieces).



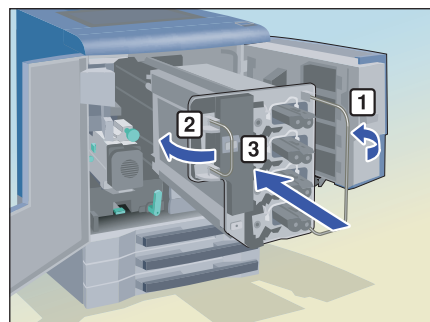
- 12** Connect the connector [1] around the lavender label.



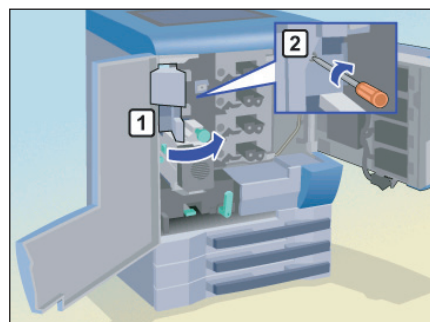
- 13** Set the process unit to its original position by holding the right [1] and left [2] levers and pushing the process unit [3]. Lay down the left and right levers and return them to their original positions.

Important

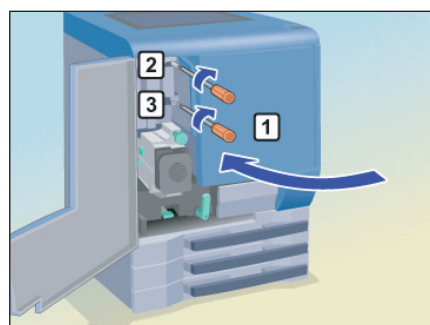
Hold the center of the lever when operating it.



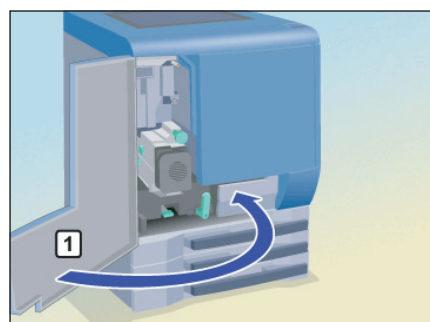
- 14** Close the front fan cover [1] and fix it with the screw [2] (1 piece).



- 15** Close the toner hopper unit door [1] and fix it with the screws [2] and [3] (1 piece for each).



- 16** Close the front door [1] of the main body.



4

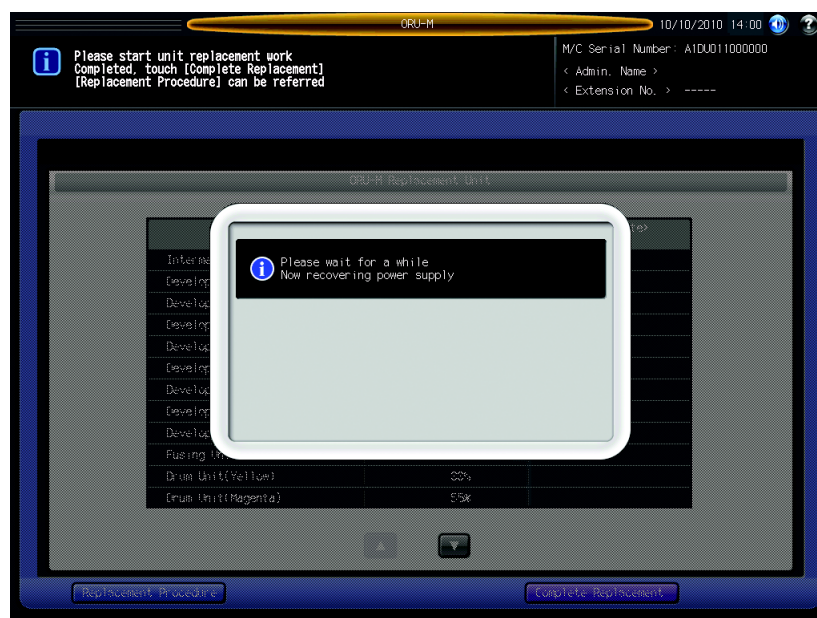
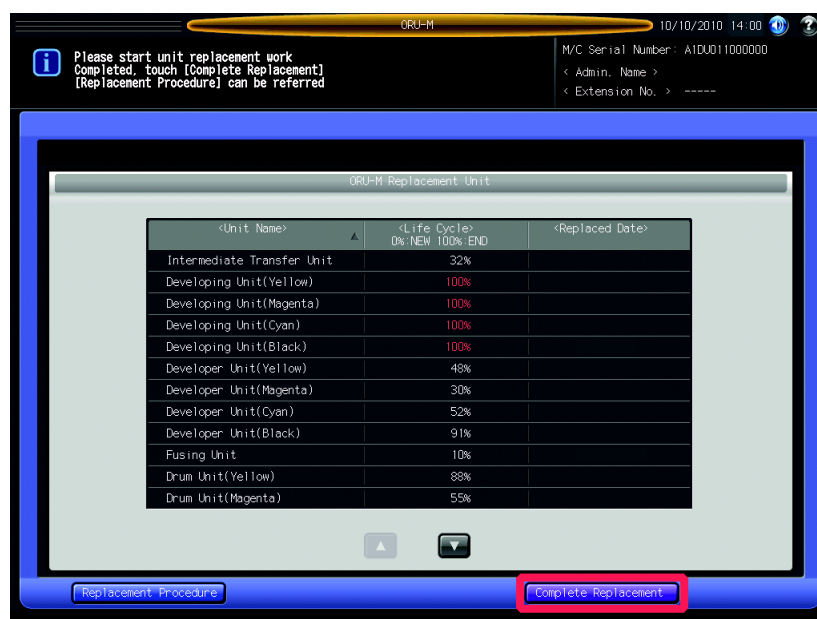
Adjustment after Replacing the ORU-M Units

4 Adjustment after Replacing the ORU-M Units

4.1 Adjusting the Developing Units and the Developers

After replacing the developing units, charge the developer in the following procedures and adjust the developing units.

- 1 After replacing the developing units, press [Complete Replacement] on the ORU-M Replacement Unit screen.

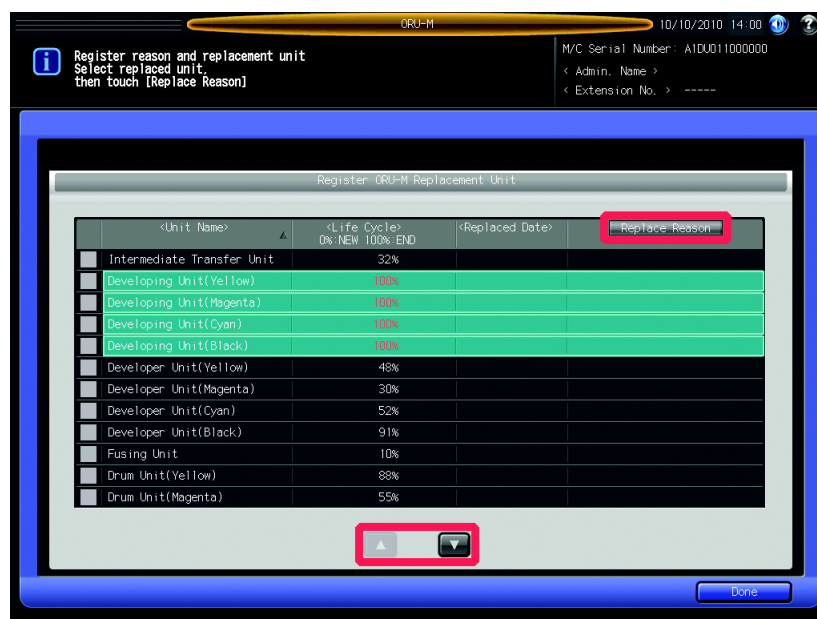


The machine automatically turns on and the Register ORU-M Replacement Unit screen is displayed.

Important

Please make sure that you fix the toner hopper unit with the screws and close the front door. Otherwise, the machine will not automatically turn off.

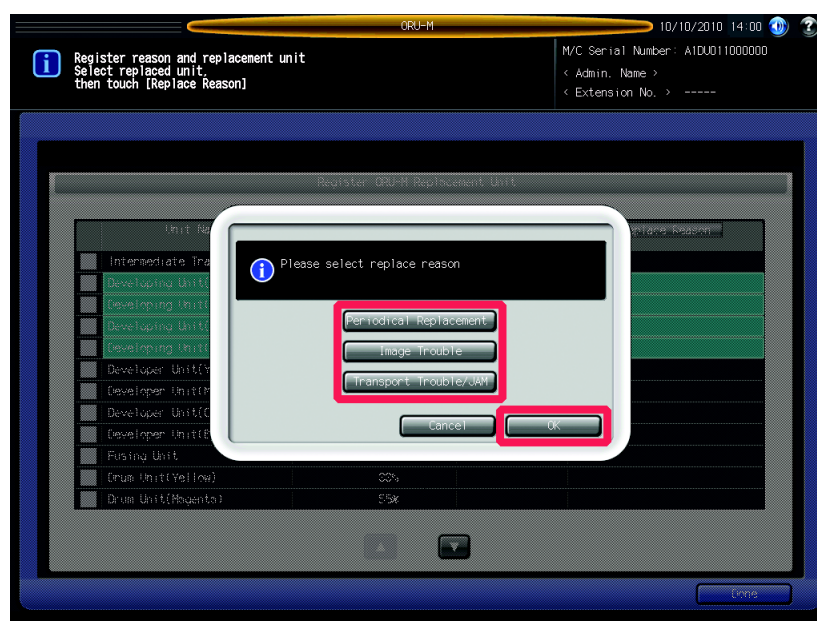
- 2 Select the row of the developing unit that you replaced.
 - If the developing unit that you replaced is not displayed on the screen, press [▲] [▼] to display it.
 - When replaced several developing units, you can configure the units at once by highlighting them and setting a reason for these units.



- 3 Press [Replace Reason] to display a dialog box asking a replacement reason. Select a reason, then press [OK].

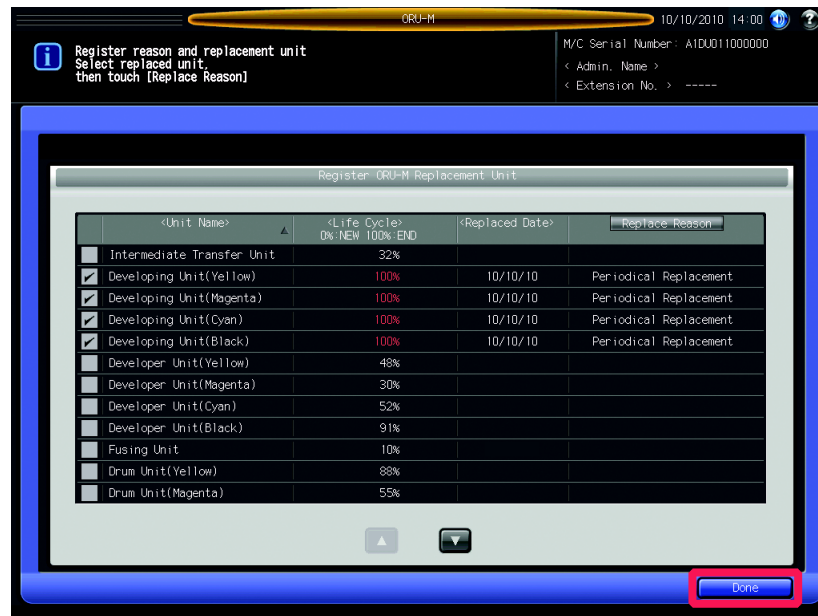
Important

Please make sure to set a reason for the replaced developing units. Otherwise, it does not reset a counter for the Life Cycle of the developing units. You also can not charge developers or make a proper adjustment in the next steps.



After you set a reason, the left check box is checked.

4 Press [Done].



A dialog box to specify the developing units that you replaced is displayed.

5 Select the developing unit that you replaced.

**Important**

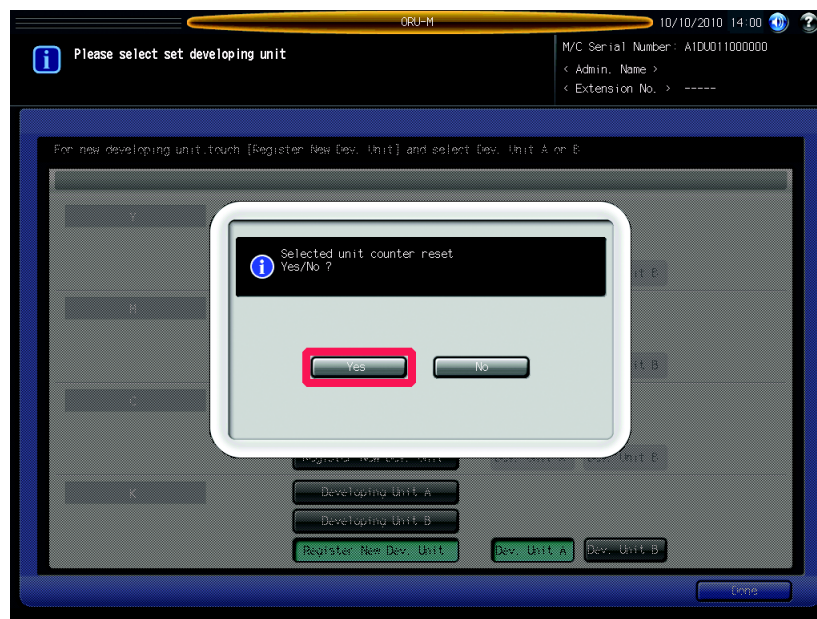
Define the used developing unit and the new developing unit as A and B. Make sure that you identify the A and the B, and press [Developing Unit A] or [Developing Unit B] to select the new developing unit.

When attaching the new developing unit, assign the alphabet (A or B) that was associated to the old developing unit (the unit that you will not use) to the new developing unit. Press [Register New Dev. Unit] to select [Dev. Unit A] or [Dev. Unit B].

6 Press [Done].

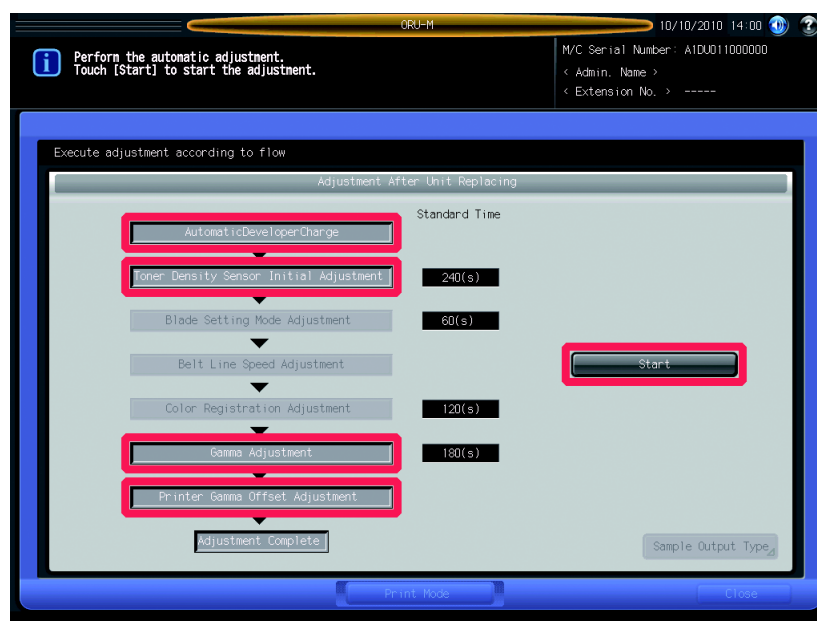
A dialog box asking to reset the counter of the selected developing unit is displayed.

7 Press [Yes].



The Adjustment After Unit Replacing screen is displayed.

8 Press [Start].

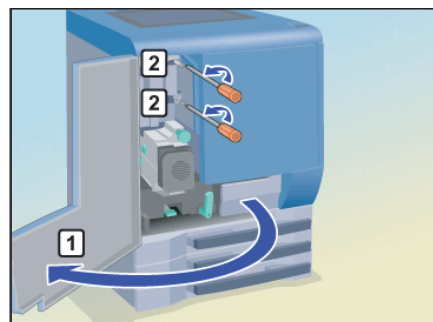


Adjustment Items

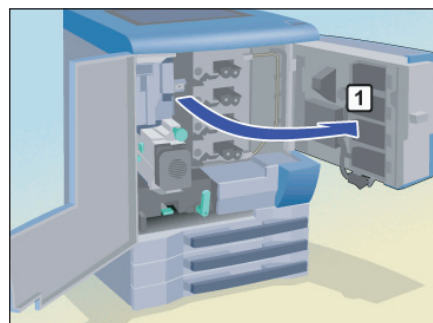
- Automatic Developer Charge
- Toner Density Sensor Initial Adjustment
- Gamma Adjustment
- Printer Gamma Offset Adjustment

The Perform Automatic Developer Charge screen is displayed.

- 9 Open the front door [1] of the main body and loosen the screws [2] (2 pieces).



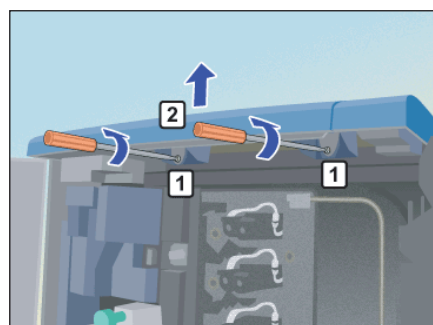
- 10 Open the toner hopper unit door [1].



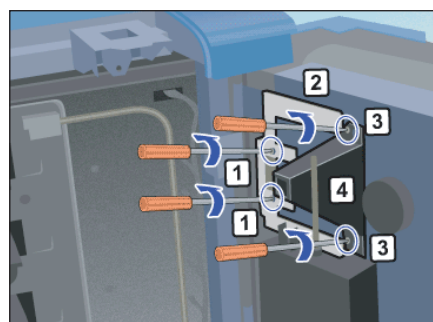
- 11 Remove the screws [1] (2 pieces), and then remove the top cover [2].

Important

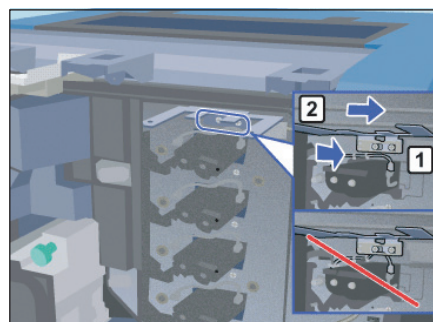
Pour in developer on the adjustment mode after you complete the replacement of the development units.
You need to remove the front cover only when you charge the developer to the yellow developing unit.



- 12 Loosen the screws [1] (2 pieces), and then remove the developer charging plate [2].
Loosen the screws [3] (2 pieces), and then remove the developer charging funnel (black) [4].



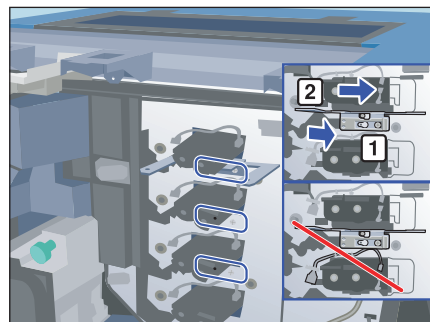
- 13 Insert the developer charging plate [2] to the shoulder screws [1] on top of the developing unit of the color that you are charging the developer and fix the plate while sliding it to right.



Important

When attaching the developer charging plate [2] to the yellow developing unit, use the shoulder screws (2 pieces). When attaching the developer charging plate [2] to the developing unit other than yellow, use the shoulder screw (1 piece) and the screw (1 piece) on left top of the shoulder screw.

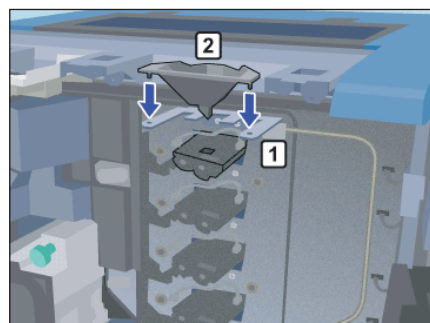
When attach the developer charging plate [2], please be careful not to pinch the cables.



- 14** Attach the developer charging funnel (black) [2] by inserting the pins (left and right) of the funnel into the holes on the developer charging plate [1]. When attaching the developer charging funnel (black), set it on the bottom of the developer charging plate.

Important

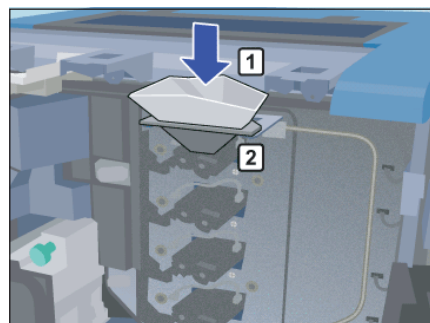
Make sure you firmly attach the end of the developer charging funnel (black) to the toner inlet of the developing unit. Please place A4 or 8.5 × 11 paper on the board under the process unit when you work.



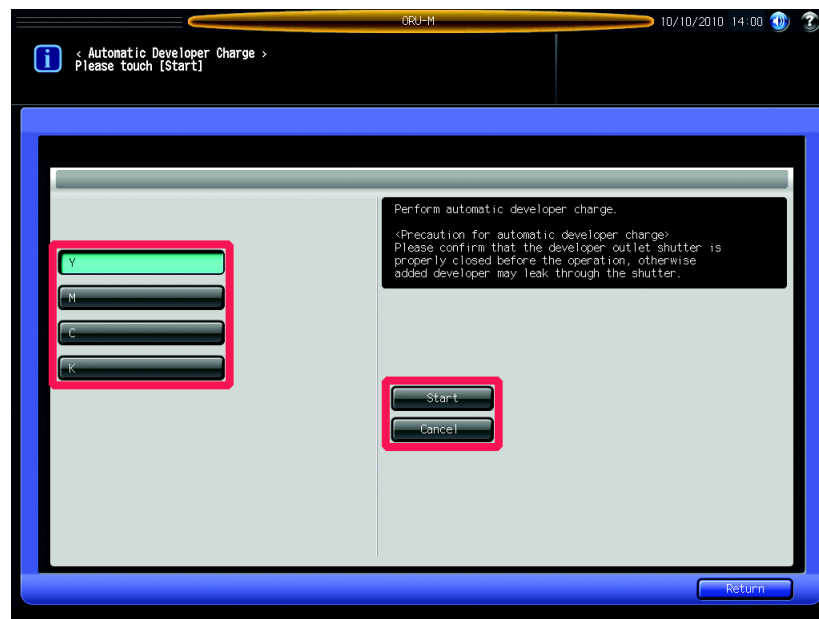
- 15** Set the developer charging funnel (white) [1] enclosed in the developer kit inside of the developer charging funnel (black) [2].

Important

The developer charging funnel (white) is supplied with each developer kit. Do not reuse the developer charging funnel (white). Please use the developer charging funnel (white) after fixing crease. Make sure to clean the developer charging funnel (black) after you use it for each color. If you do not clean it up, colors get mixed in. Please confirm that the developer exit shutter is properly closed before charging the developer. The developer may spill from the bottom.



- 16** Press the button that is the color you are ready to charge the developer and press [Start].



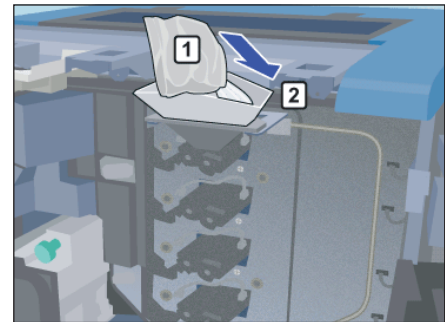
The motor of the developing unit will rotate.

- 17** Charge the new developer [1] to the developer charging funnel (white) [2].

The developer is carried to the developing unit.

→ The motor that starts to rotate after you press [Start] will be stopped automatically after a given period of time. If the developer remains in the funnel when the motor stops, press the [Start] again.

If the motor continues to rotate even after the developer is completely carried away and no developer remains in the funnel, press [Cancel]. The motor stops.

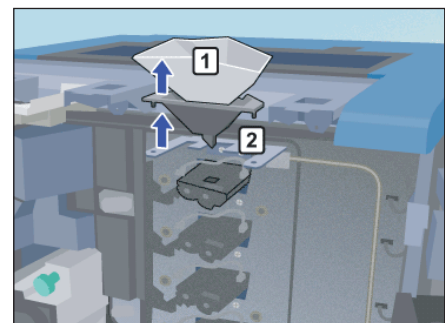


- 18** Charge the developers for the all developing units that you replaced by performing step 9 to 18.

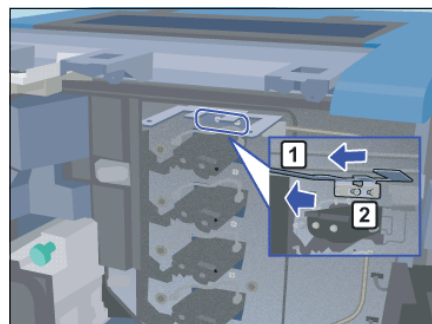
- 19** Remove the developer charging funnel (white) [1] and the developer charging funnel (black) [2].

Important

Make sure that you clean the developer charging funnel (black).

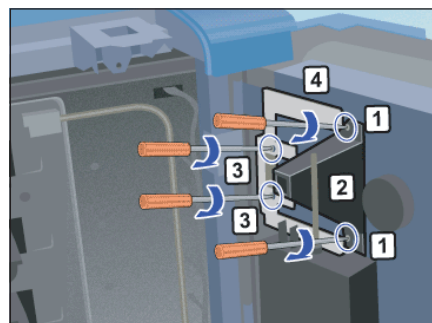


- 20** Slide the developer charging plate [1] to the left while pulling out the leaf spring of the developer charging plate [1], and then remove the plate.

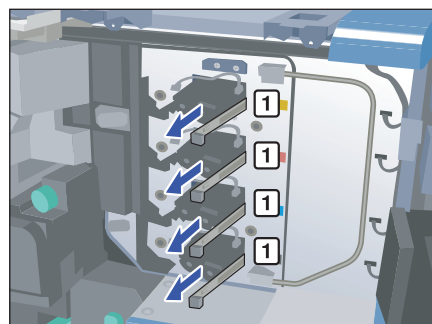


- 21** Tighten the screw [1] (2 pieces), and then return the developer charging funnel (black) to its original position.

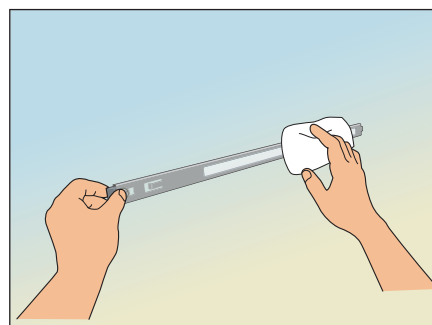
Tighten the screws [3] (2 pieces), and return the developer charging plate [4] to its original position.



- 22** Pull out the dust-proof glass [1].



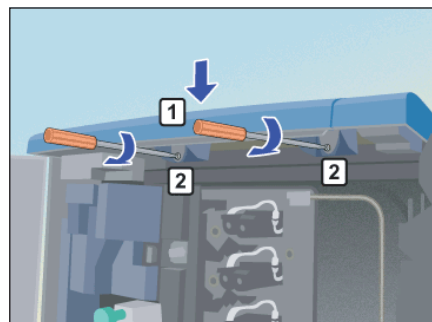
- 23** Clean the dust-proof glass using lint-free cleaning cloth and air blow spray, and then return the dust-proof glass to its original position.



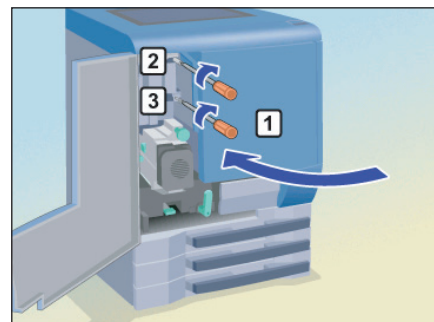
- 24** Place the top cover [1] and fix it with the screw [2] (2 pieces).

Important

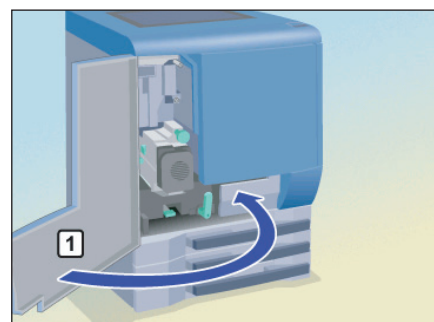
You need to remove the front cover only when you charge the developer to the yellow developing unit.



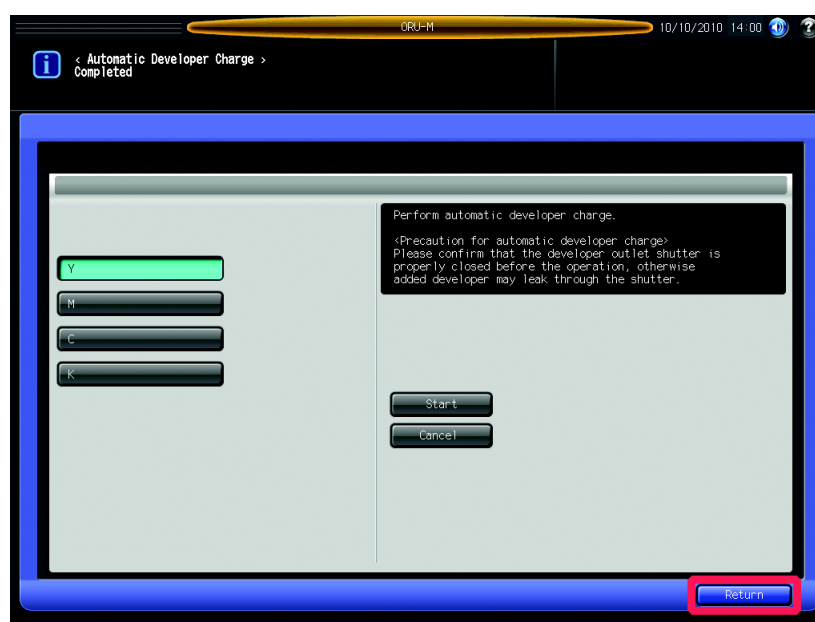
- 25** Close the toner hopper unit door [1] and fix it with the screws [2] and [3] (1 piece for each).



- 26** Close the front door [1] of the main body.



- 27** Press [Return].

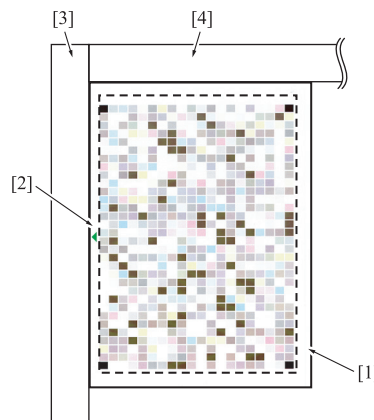


The Adjustment After Unit Replacing screen will be restored.
When the [Gamma Adjustment] is completed automatically, the Adjust the gamma offset of printer screen is displayed.



28 Adjust the gamma offset of printer screen.

- (1) Press [Next] or [Previous] to select the screen of the item you want to adjust on the Printer Gamma Offset Adjustment screen.
- (2) Press [Readjust]. If you want to re-adjust, press [Yes]. If not, press [No].
Important
If the gradation of the highlighted part of the image is widely divergent, press Reset Adj. Data to reset the gamma offset of the printer to 0 (zero), and then press [Readjust].
- (3) Press [Print Mode]. In the print mode screen, select a tray for A4 (8.5 × 11) paper, then press **Start** on the **control panel**. The test patterns will be output.
Once the test pattern is output, it will automatically returns to the Adjust the gamma offset of printer screen.
- (4) Place the output test pattern [1] on the original glass by setting the pattern precisely to the original positioning plate /Lt [3] and original positioning plate /Rr [4].
Important
Set the pattern so that the green triangle mark [2] faces left (print side face down).



- (5) Put 10 sheets of paper (white) on the test pattern, and then close the ADF or the original cover.

Important

Please use white copy paper as you can not adjust printer gamma properly with non-white paper.

- (6) Press [Start] on the screen.
The test pattern is scanned and the current data of YMCK is updated.

Important

Pass/Fail evaluation for the adjustment data is not performed on the first scan, so the message "Completed normally" is not displayed.

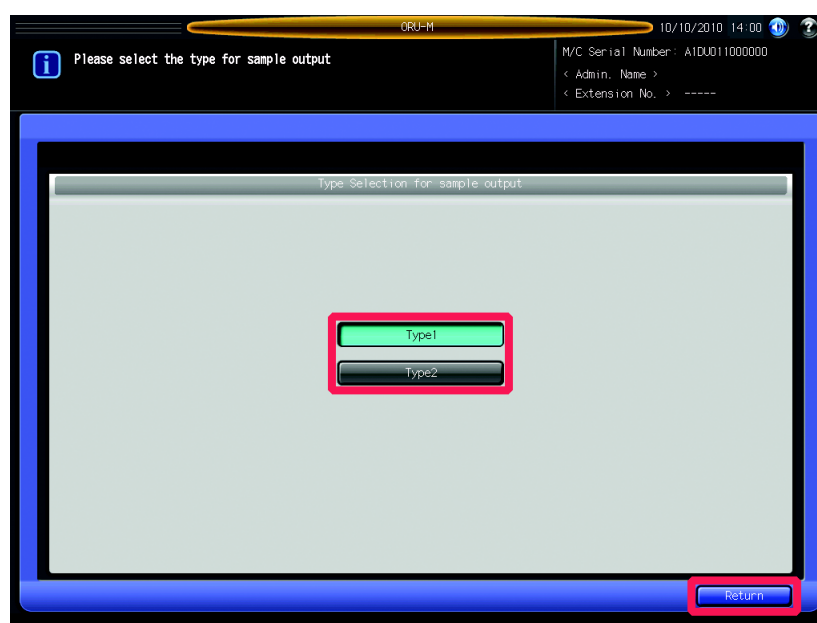
Since pass/fail evaluation is performed only after the second scan, please perform this adjustment work several times until the message "Completed normally" is displayed.

- (7) Press [Print Mode] on the Printer Gamma Offset Auto Adj. screen.
- (8) Repeat step 3 - 6.
- (9) Confirm that the message "Completed normally" is displayed.
When a message other than "Completed normally" is displayed, repeat step 7 to 8.
- (10) Press [Return]. The Adjustment After Unit Replacing screen will be restored.

29 Press [Close] in the Adjustment after unit replacement is completed screen. The Adjustment After Unit Replacing screen will be restored.

30 Press [Sample Output Type]. Output a sample after adjustment.
The Type Selection for sample output screen is displayed.

31 Select either [Type1] or [Type2].



Type1: Halftone output.

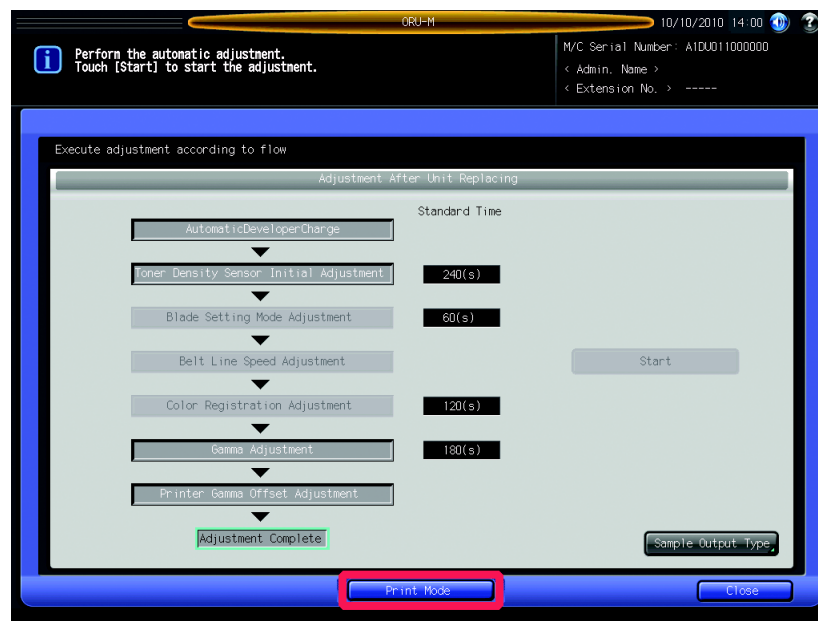
Type2: Color (CMK) output.

Important

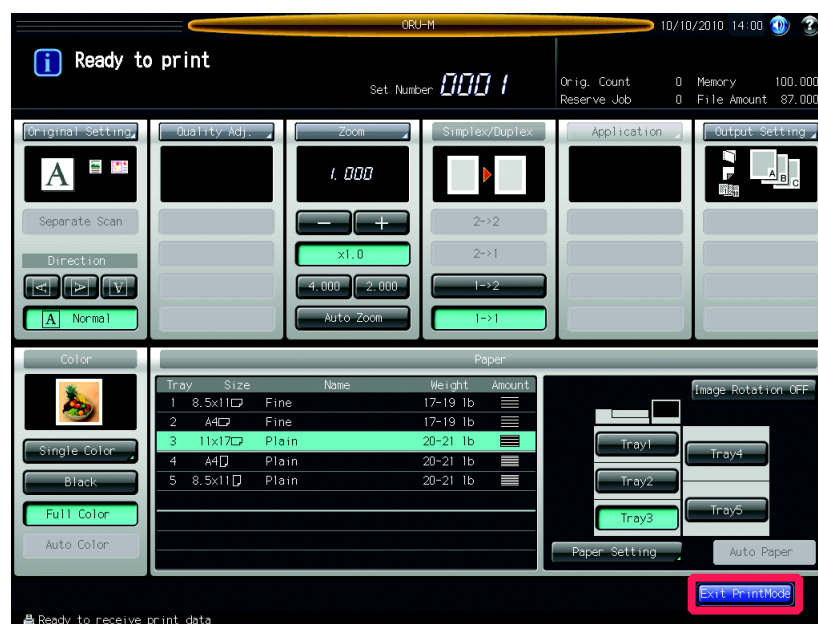
Make sure to print both Type1 and Type2 for sample output.

Press [Return]. The Adjustment After Unit Replacing screen will be restored.

32 Press [Print Mode]. The print mode screen is displayed.



- 33** Select a tray for A3 or 11 × 17 paper, and then press **Start** on the control panel.



- 34** Press [Exit PrintMode]. The Adjustment After Unit Replacing screen will be restored.
- 35** Repeat the step 31 to 35 to output samples of both [Type1] and [Type2].
- 36** Confirm the result of the adjustment by comparing the samples before and after the adjustment.
- 37** Press [Close] in the Adjustment After Unit Replacing screen. The Machine Status Screen will be restored.



KONICA MINOLTA

<http://konicaminolta.com>

bizhub PRESS

C7000/C7000P/C6000/C70hc

ORU-M (Operator Replaceable Unit Management)
REPLACEMENT INSTRUCTIONS
Drum Unit (YMCK)





Contents

1	Introduction	
2	Preliminary Preparation to Replace ORU-M Units	
2.1	Preliminary Preparation to Replace ORU-M Units	2-2
3	Replacing ORU-M Units	
3.1	Drum Unit (YMCK)	3-2
4	Adjustment after Replacing the ORU-M Units	
4.1	Adjustment after Replacing the ORU-M Componets.....	4-2



Introduction

1 Introduction

The Objectives of ORU-M (Operator Replaceable Unit Management)

ORU-M system enables users to replace the machine units by themselves. It also helps to minimize machine downtime.

Notice to users of ORU-M

Make sure you take trainings and obtain a certificate of approval before using the ORU-M.

When replacing the machine units, please follow the instructions written in the ORU-M (Operator Replaceable Unit Management) REPLACEMENT INSTRUCTIONS.

To perform replacement tasks safely and reliably, keep the ORU-M (Operator Replaceable Unit Management) REPLACEMENT INSTRUCTIONS and do not lose them. If you lose the instructions, contact your service representative.

Registered Trademarks

bizhub PRESS is a trademark of Konica Minolta Business Technologies, Inc.
Copyright © 2010 Konica Minolta Business Technologies, Inc.



Preliminary Preparation to Replace ORU-M Units

2 Preliminary Preparation to Replace ORU-M Units

When replacing the ORU-M units, switch to the ORU-M mode, and then replace the ORU-M units in accordance with the procedures on the screens.

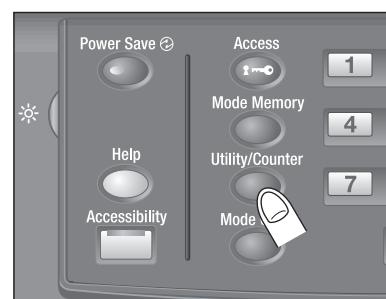
This guide explains the following topics in the order displayed on the screen. Refer to "2 Preliminary Preparation to Replace the ORU-M Units" for the preliminary preparation after you switch to the ORU-M mode and before replacing the units, "3 Replacing ORU-M Units" for the procedures to replace each unit, and "4 Adjustment after Replacing the ORU-M Units" for adjustment procedures after replacing the units.

Print out this guide and keep it at hand for your reference before you start replacement work.

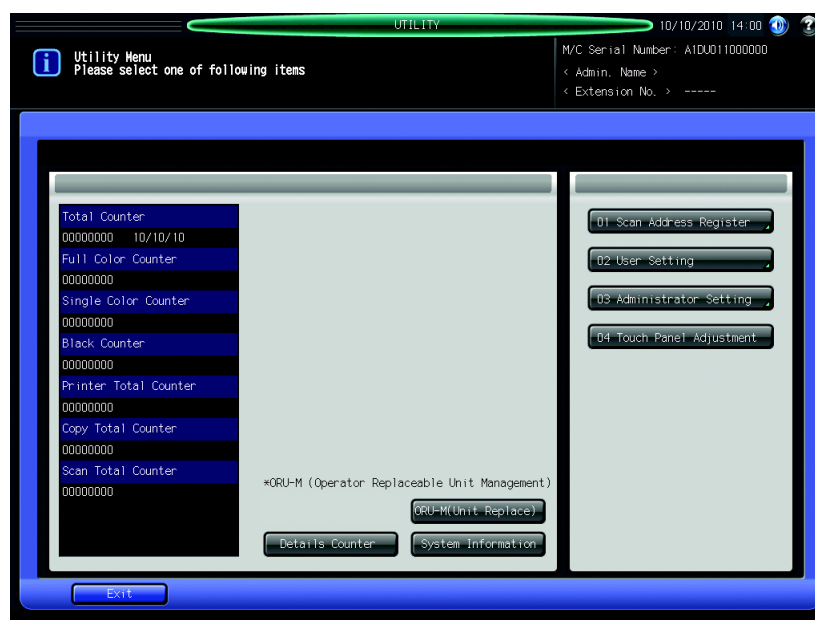
2.1 Preliminary Preparation to Replace ORU-M Units

Before replacing the ORU-M units, follow the procedure below to switch to the ORU-M mode.

- 1 Press [Utility/Counter].
The Utility screen is displayed.



- 2 Press [ORU-M (Unit Replace)].



The ORU-M Replacement Unit screen is displayed. Unit names, life cycles, and replaced dates for the ORU-M units are listed on this screen.

3 Output a sample of the current machine.

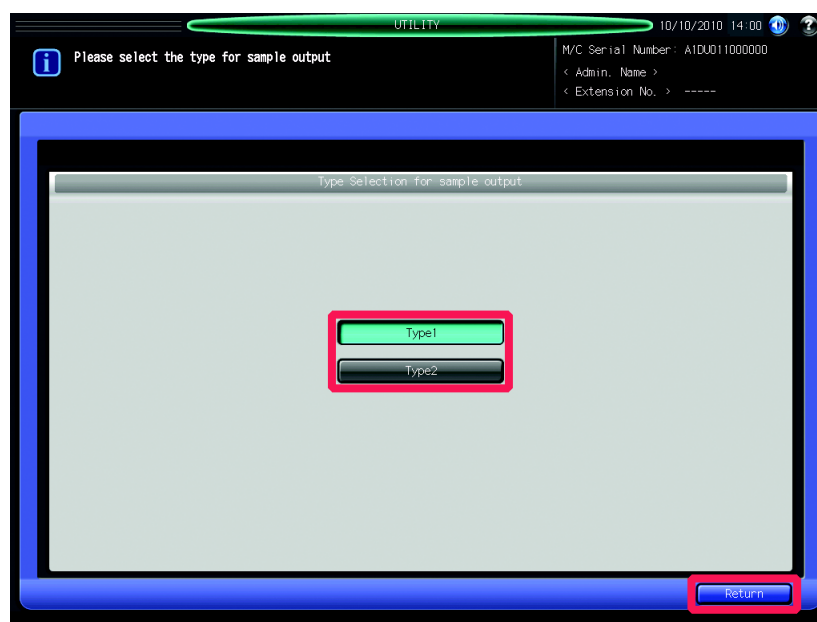
Press [Sample Output Type]. The Type Selection for sample output screen is displayed.



4 Select either [Type1] or [Type2].

Type1: Halftone output.

Type2: Color (CMK) output.



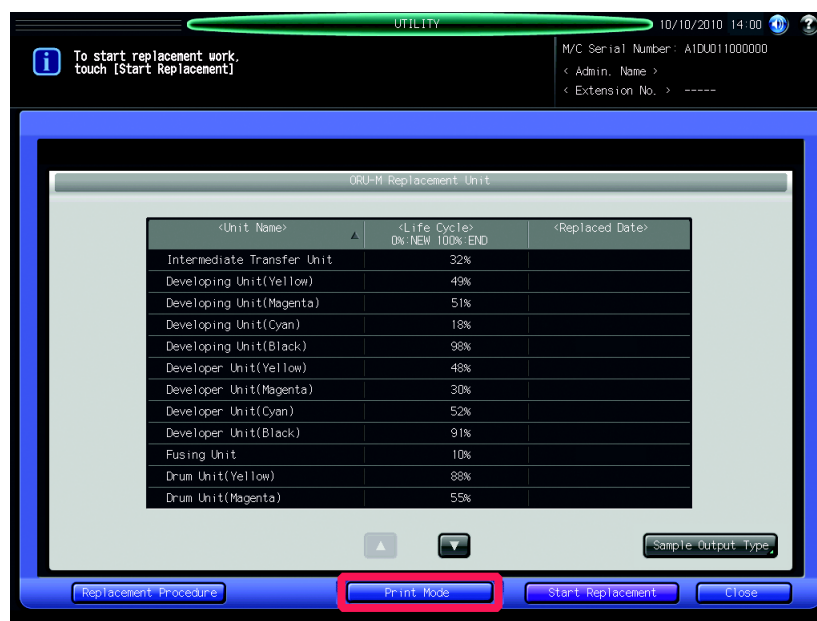
Important

Make sure to print both Type1 and Type2 for sample output.

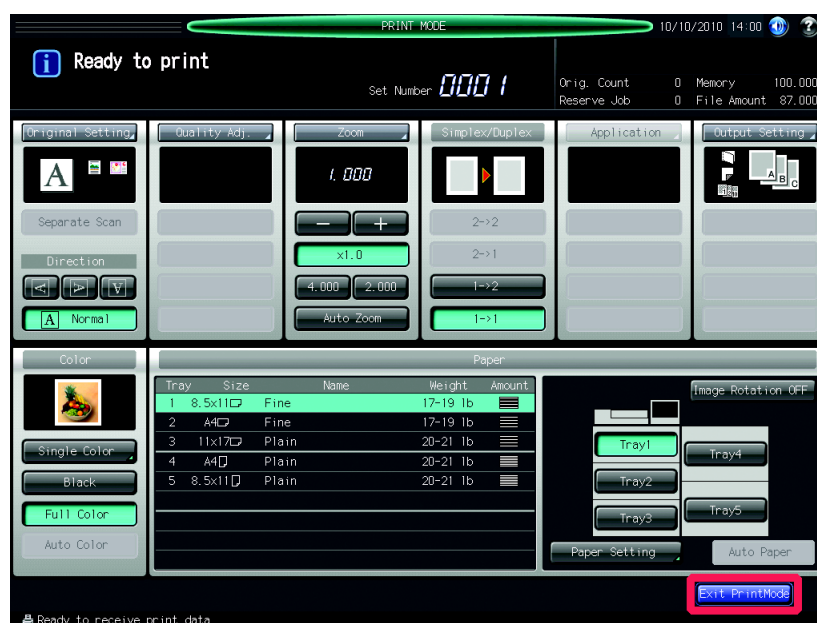
Press [Return]. It will return to the ORU-M Replacement Unit screen.

5 Press [Print Mode].

The PRINT MODE screen is displayed.



6 Select a tray for A3 or 11 × 17 paper, then press **Start** on the control panel.



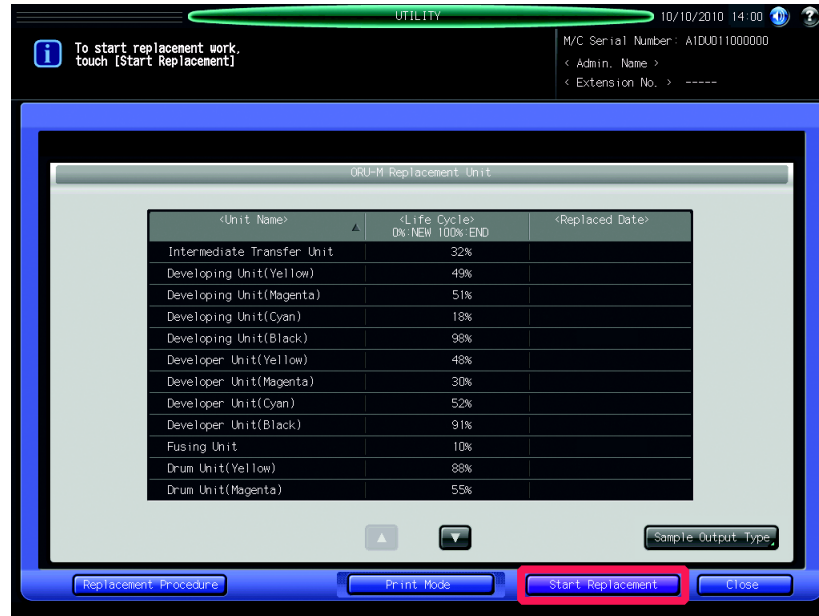
Important

You can not output the entire sample if you specify a paper size other than A3 or 11 × 17.

7 Press [Exit PrintMode]. It will return to the ORU-M Replacement Unit screen.

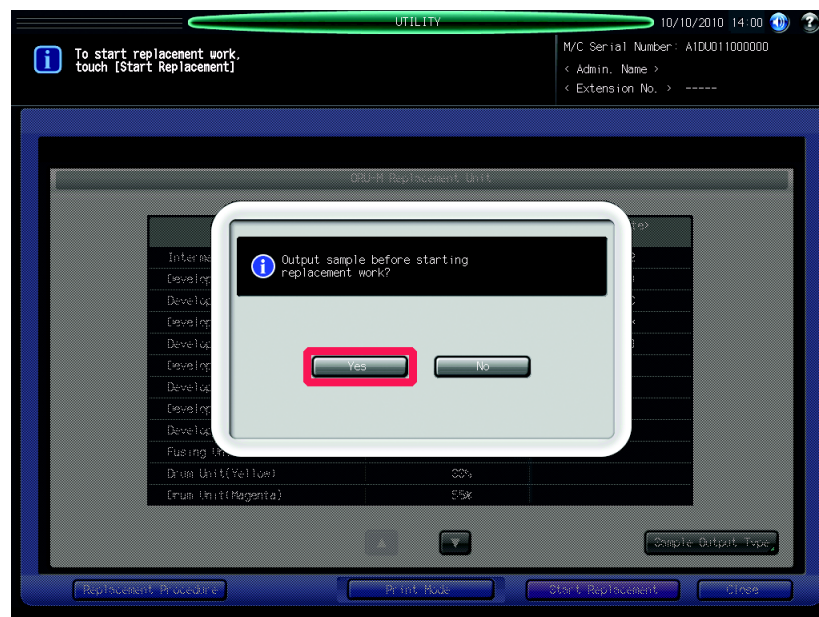
8 Repeat steps 3 to 7 to output both samples of [Type1] and [Type2].

9 Press [Start Replacement].



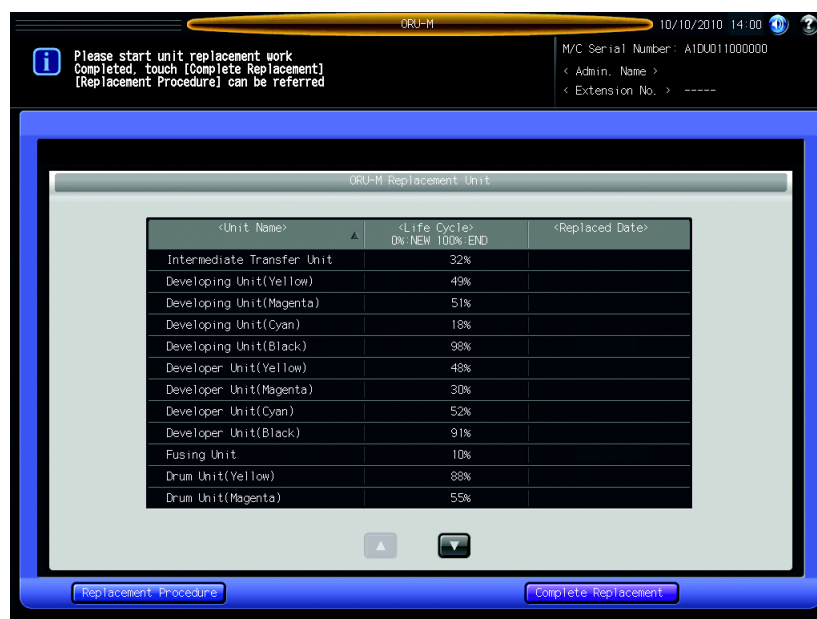
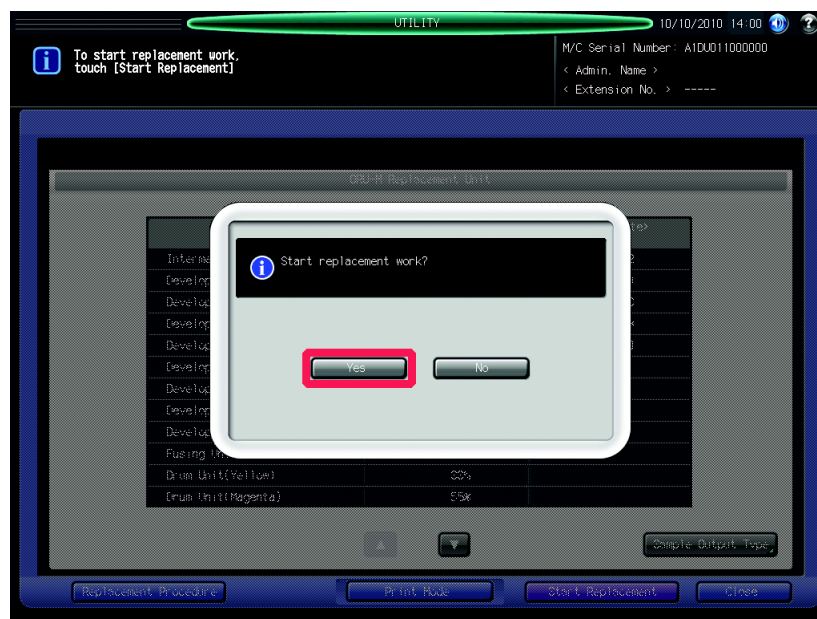
10 Press [Yes].

The machine automatically turns off.



11 If you want to start replacement works, press [Yes].

It automatically switches to ORU-M replacement mode, returns to the ORU-M Replacement Unit screen.

**12** Please refer to the "3 Replacing ORU-M Units" to replace the units.**Important**

You can check the procedures of unit replacement on the screen when replacing the units.



Replacing ORU-M Units

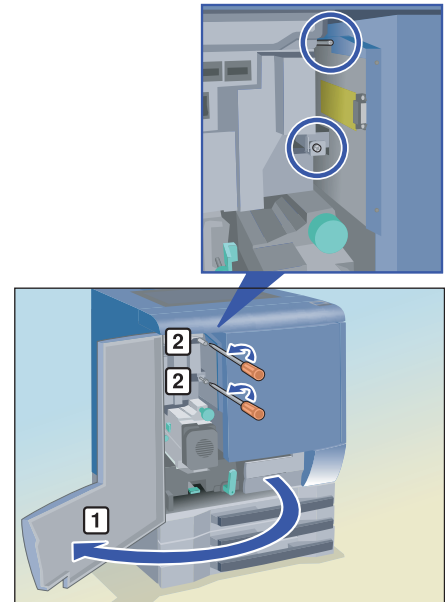
3 Replacing ORU-M Units

3.1 Drum Unit (YMCK)

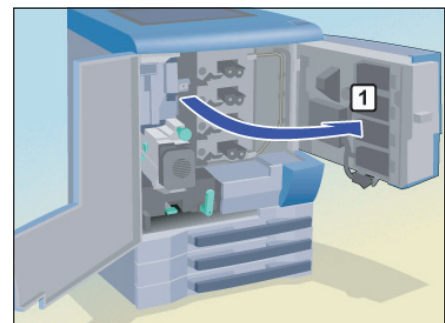
Important

You can check the procedures of the unit replacement on the screen when replacing the units.

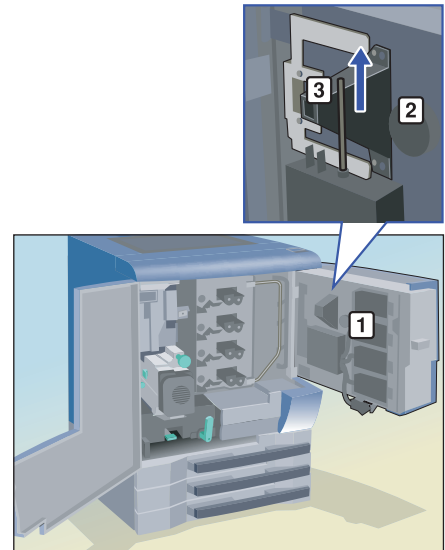
- 1 Open the front door [1] of the main body and loosen the screws [2] (2 pieces).



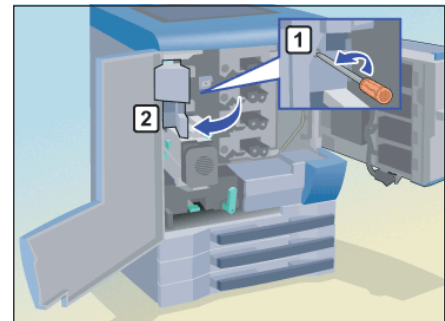
- 2 Open the toner hopper unit door [1].



- 3 Remove the support stick [3] from the charging suction assy [2] installed inside of the toner hopper unit door [1].



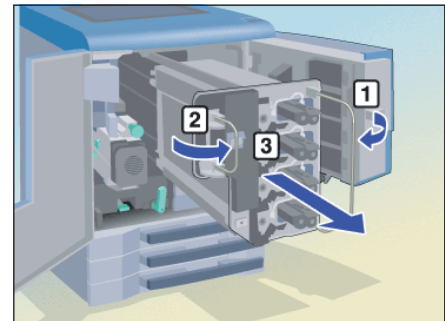
- 4 Loosen the screw [1] (1 piece) and open the front fan cover [2].



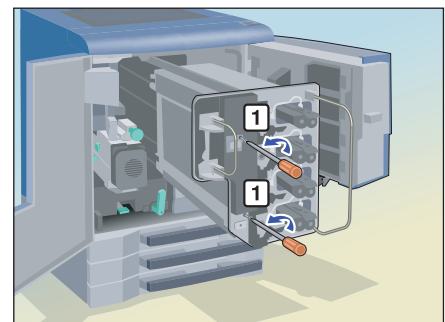
- 5 Pull up the right lever [1] and left lever [2] forward, then pull out the process unit [3].

Important

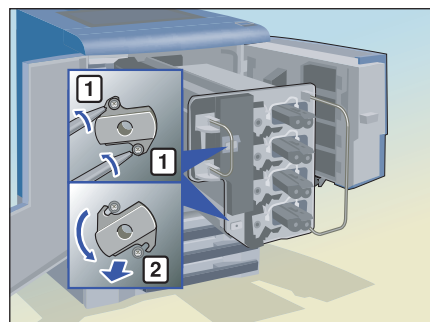
Hold the center of the lever when operating it.



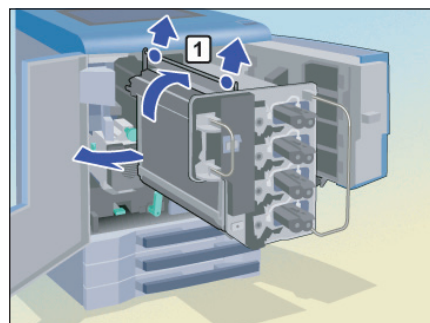
- 6 Remove the screws [1] (1 piece for each) located in front of the process unit.



- 7 Loosen the screws [1] (2 pieces for each) on the positioning axis, turn the positioning axis for the belt [2] counterclockwise, and then remove it.

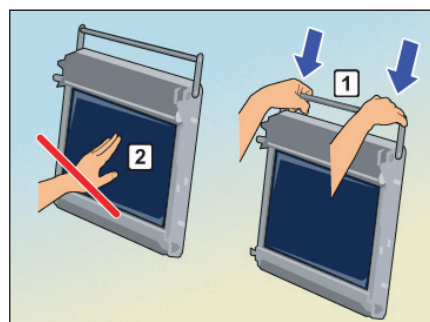


- 8 Raise the handle [1] of the transfer belt unit, and then remove the unit.



Important

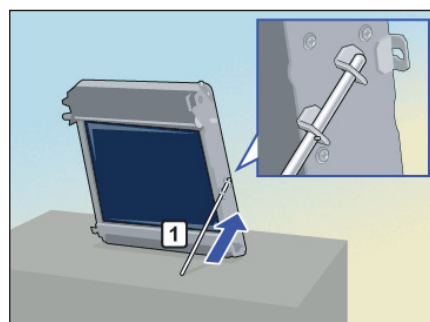
Please use both hands to hold both ends of the handle [1] of the transfer belt unit. Please be careful not to touch the transfer belt [2] with bare hands or not to damage it.



- 9 Set the support stick [1] to the transfer belt unit that you removed and stand it on a flat place with the legs.

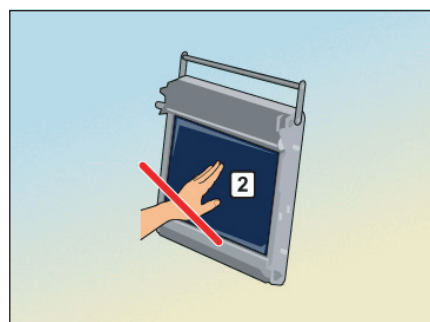
Important

Please do not lay down and place the transfer belt unit that you removed on the flat surface without using the support stick [1]. Please be careful so that the support stick does not drop from the transfer unit.



Important

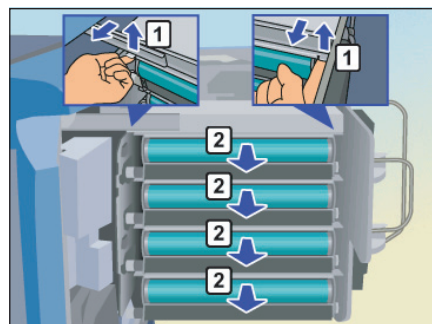
Please be careful not to touch the transfer belt [2] with bare hands or not to damage it.



- 10** Holding the handles [1] on both ends of the drum unit, lift the drum unit [2] to remove it.

Important

Please be careful not to touch the drum with bare hands, or to damage it. When leaving the drum unit, please keep it in a dark place, covered with a drum cover (to protect it from light).

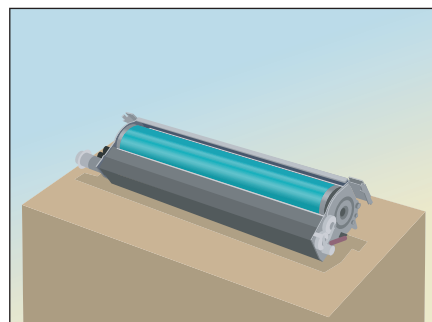


- 11** Put the removed drum unit into a special box.

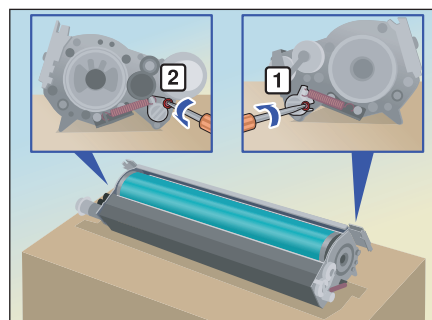
- 12** Take the new drum unit from the package and lay it on a flat place as indicated in the right figure.

Important

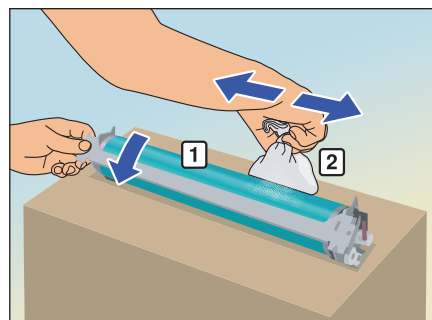
Please steadily hold the drum unit [1] and be careful not to damage the drum [2].



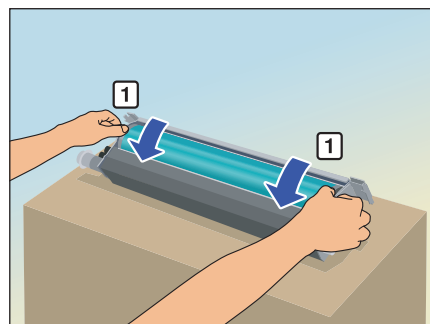
- 13** Remove the red screws (1 piece for each) in front [1] and rear [2] sides of the drum blade pressure release screw.



- 14** Equally apply the setting powder [2] to the entire surface of the drum [1].

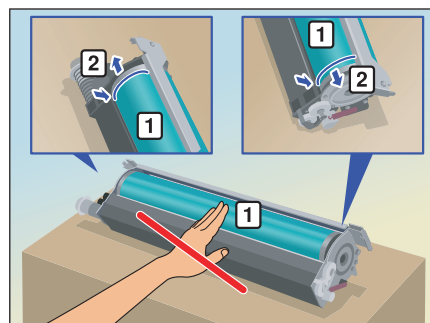


- 15** Use fingers to rotate both ends of the drum in the direction indicated by the arrow [1] to drop the setting powder. Keep rotating the drum unit until the setting powder runs out.



Important

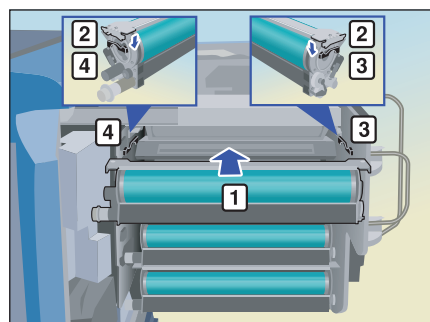
Hold the flange [2] outside both edges and rotate the drum [1]. Do not touch any other places on the drum. Please be sure to rotate it in the arrow direction. Never rotate in the reverse direction, or the blade may be broken.



- 16** Attach the drum unit [1] to its original position. Confirm that both ends of the drum unit [2] fit into the groove of the front block [3] and the groove of the rear block [4].

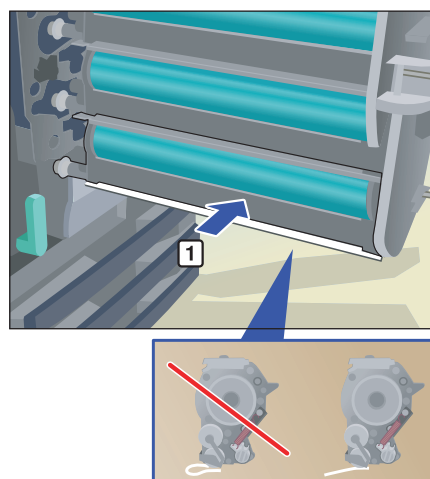
Important

Please confirm that the drum unit does not drop off after you install the drum unit.

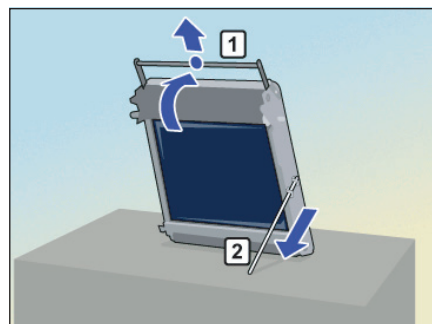


Important

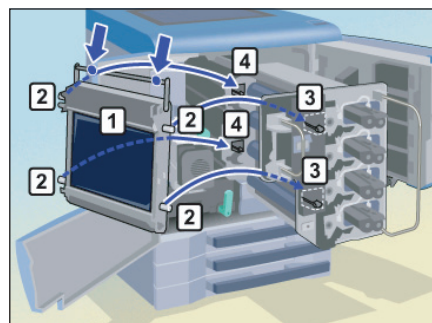
The illustration shows the front and rear blocks of drum unit K [1] as an example. When mounting the drum unit K [1], please be careful not to draw in the sheet.



- 17** While holding the handle [1] of the transfer belt with one hand, remove the support stick [2].



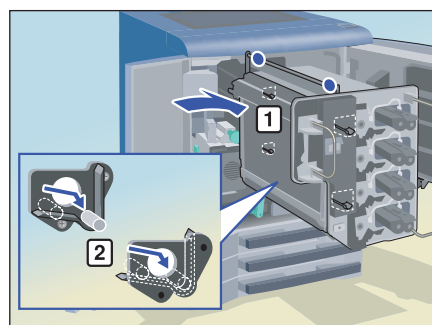
- 18** Lift the transfer belt unit [1] with both hands.
Fit the guide pins [2] located on the front and rear sides (2 pieces each) to the two support blocks [3] and two rear support blocks [4] to attach the transfer belt unit to the process unit.



Important

Make sure that the transfer belt unit [1] does not touch the drum.

Please confirm that the guide pins [2] are properly fit into the groove of the support block.

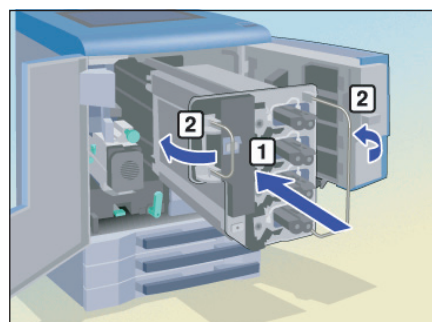


- 19** Press the process unit [1] back by holding the left lever [2] and right lever [2].

When you return the left and right lever to the original positions, the process unit is locked.

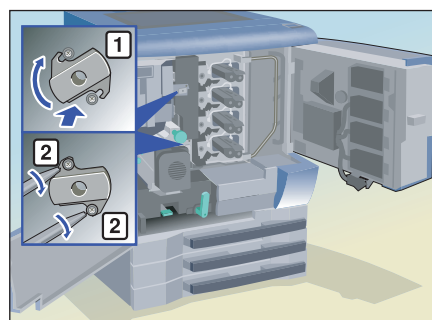
Important

Hold the center of the lever when operating it.



- 20** Insert the positioning axis for the belt [1], and turn it clockwise until it reaches the screws [2] (2 pieces).

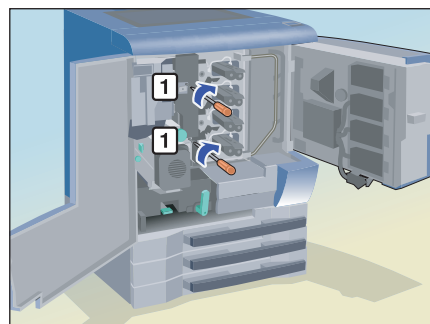
Tighten the screws [2] (4 pieces) to fix the positioning axis for the belt [1].



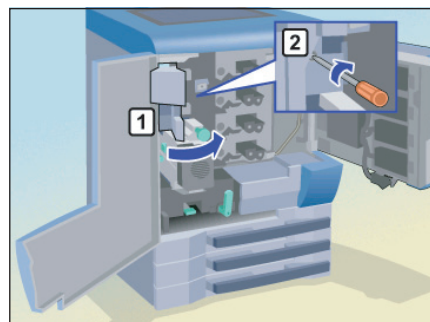
- 21** Tighten the screws [1] (2 pieces) in front of the process unit.

Important

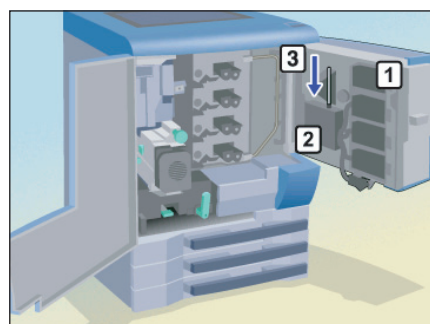
You cannot tighten the screws [1] unless you press the process unit back into its original position.



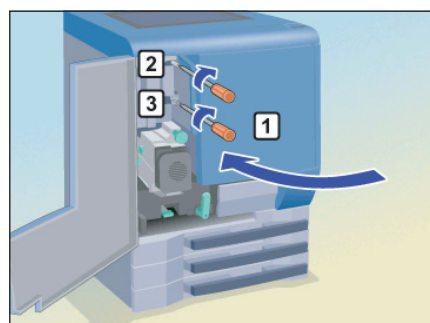
- 22** Close the front fan cover [1] and fix it with the screw [2] (1 piece).



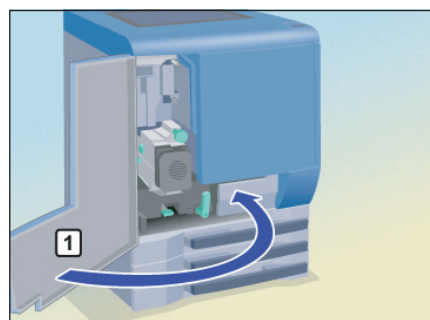
- 23** Set the support stick [3] in the charging suction assy [2] installed inside of the toner hopper unit [1].



- 24** Close the toner hopper unit door [1] and fix it with the screws [2] and [3] (1 piece for each).



- 25** Close the front door [1] of the main body.



4

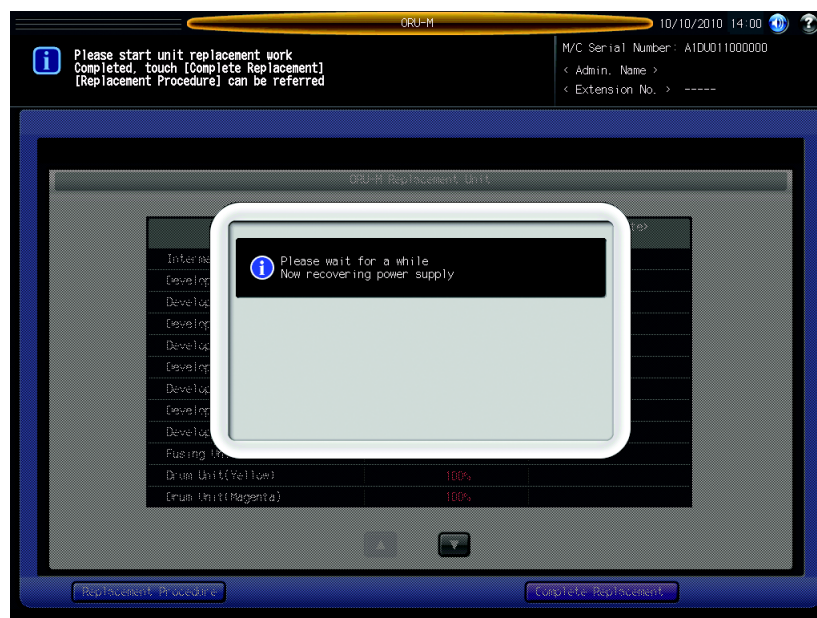
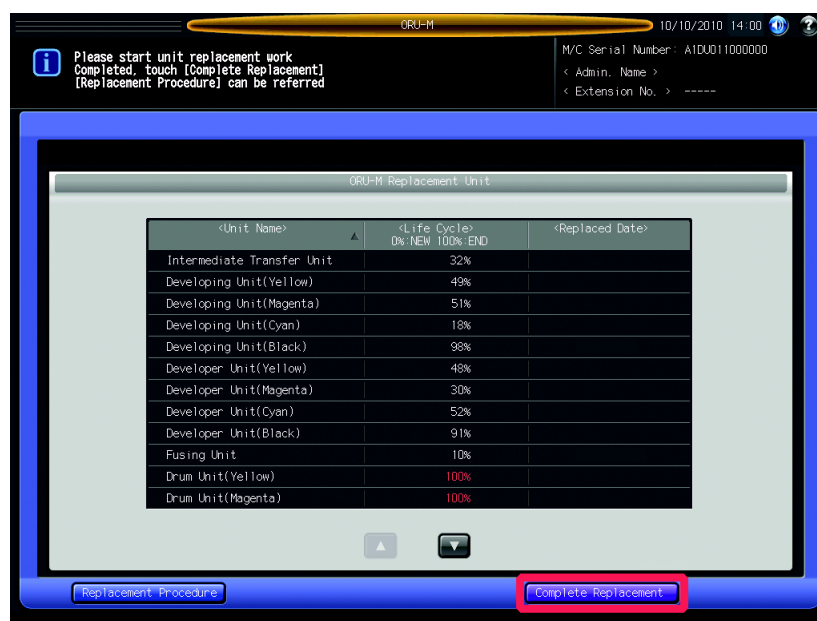
Adjustment after Replacing the ORU-M Units

4 Adjustment after Replacing the ORU-M Units

After replacing the ORU-M units, make adjustments on them.

4.1 Adjustment after Replacing the ORU-M Componets

- 1 After replacing the ORU-M units, press [Complete Replacement] on the ORU-M Replacement Unit screen.



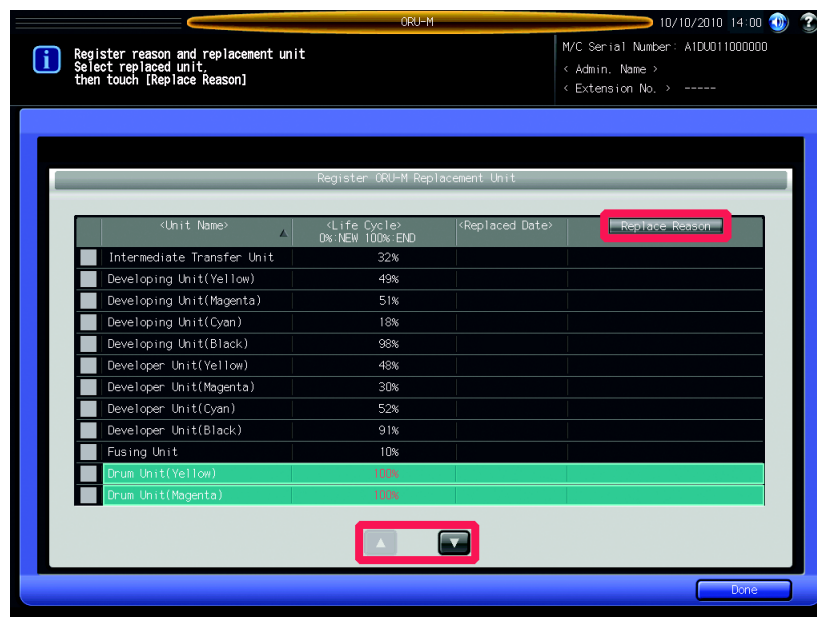
The machine automatically turns on and the Register ORU-M Replacement Unit screen is displayed.

Important

Please make sure that you fix the toner hopper unit with the screws and close the front door. Otherwise, the machine will not automatically turn off.

2 Select the row of the unit that you replaced.

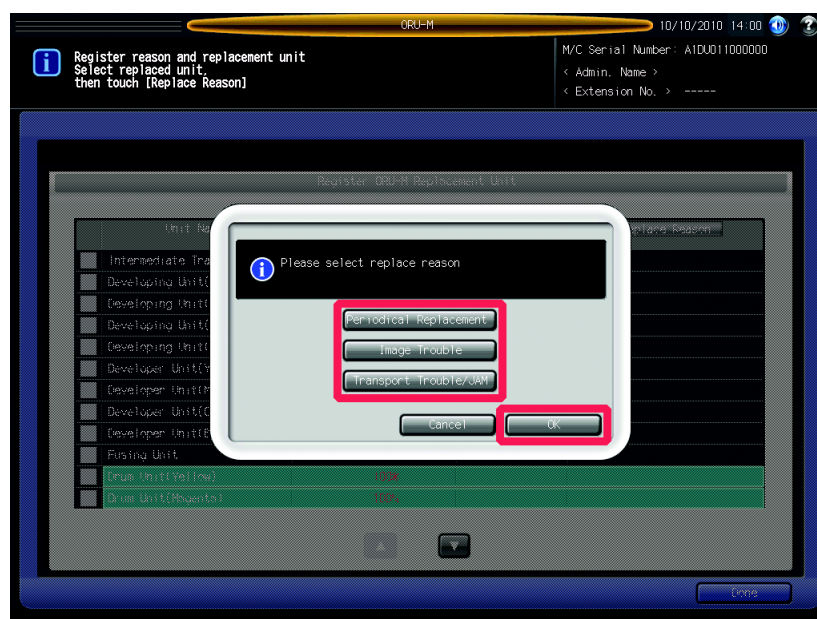
- If the unit that you replaced is not displayed on the screen, press [▲] [▼] to display it.
- If you replaced multiple units, you can configure several units at once by selecting units with the same replacement reason and setting the reason to the units.



3 Press [Replace Reason] to display a dialog box asking a replacement reason. Select a reason, then press [OK].

Important

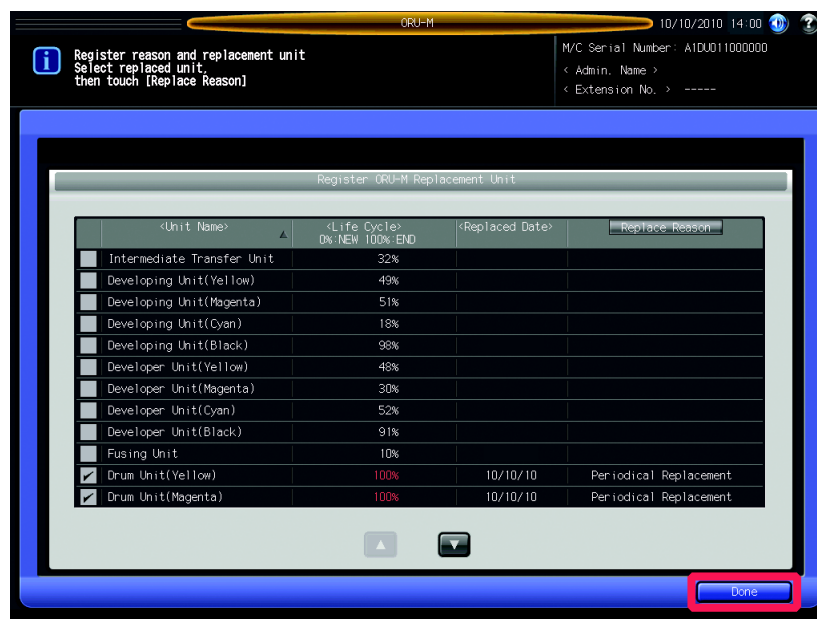
Please make sure to set a replacement reason for the replaced units. Otherwise, it does not reset a counter for the Life Cycle of the units and you can not properly adjust the units in next steps.



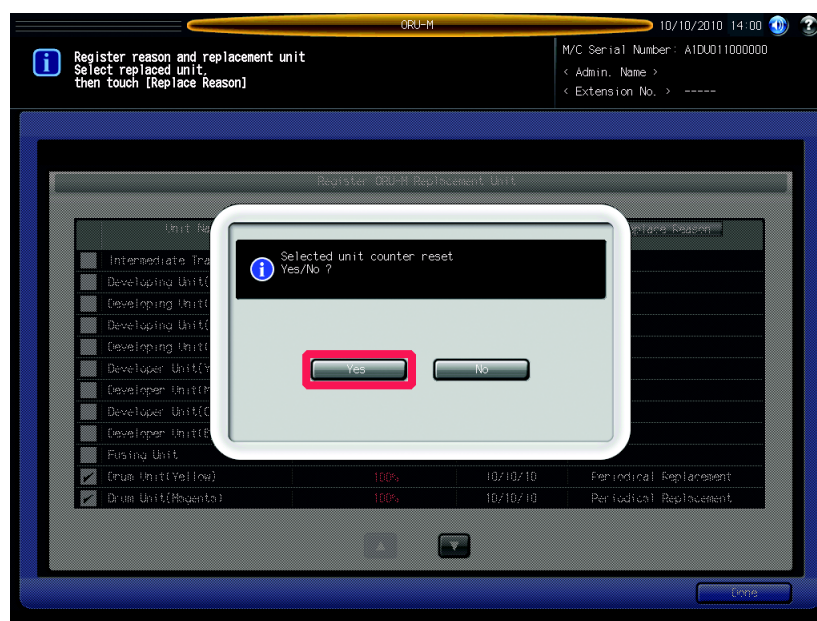
After you set a replacement reason for the replaced units, a check will appear in the checkbox left of the unit name.

- 4 Repeat step 2 to 4 until you set reasons for all units that you replaced.
- 5 Press [Done].

A dialog box is displayed, with a checkbox to choose whether to reset the counters of the units.



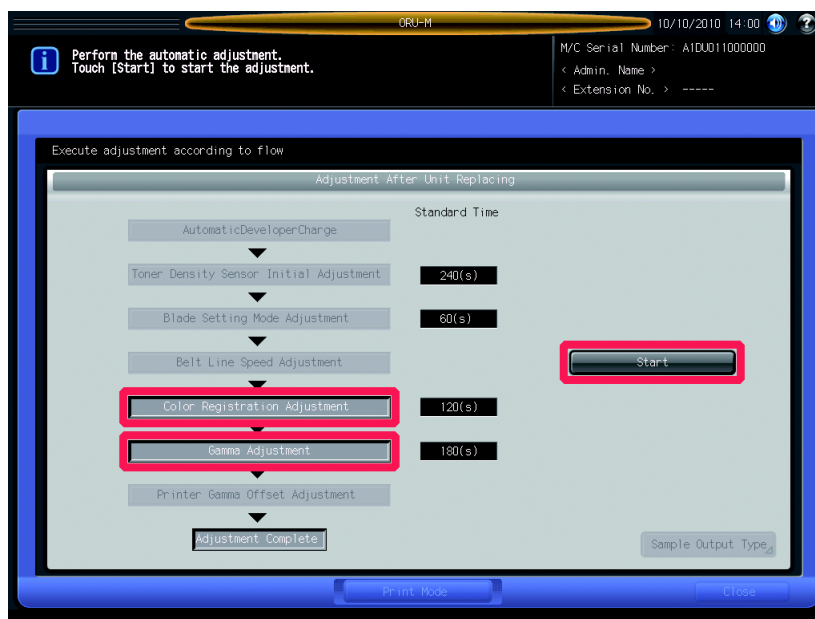
- 6 Press [Yes].



The Adjustment After Unit Replacing screen is displayed.

7 Press [Start].

→ [Start] appears grayed out on the screen for the units that do not need any adjustment after replacement. Proceed to step 16.



Adjustment Items

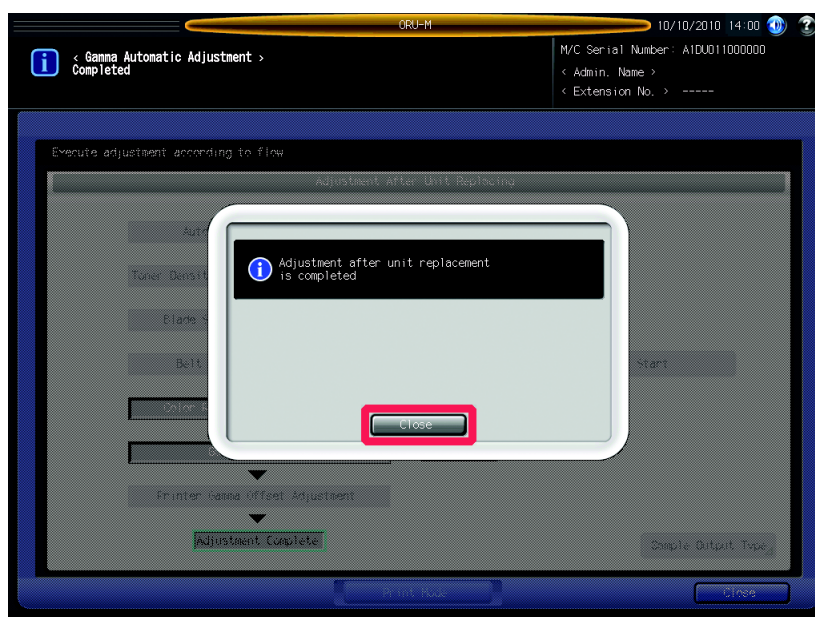
- Color Registration Adjustment
- Gamma Adjustment

Start to adjust the units.

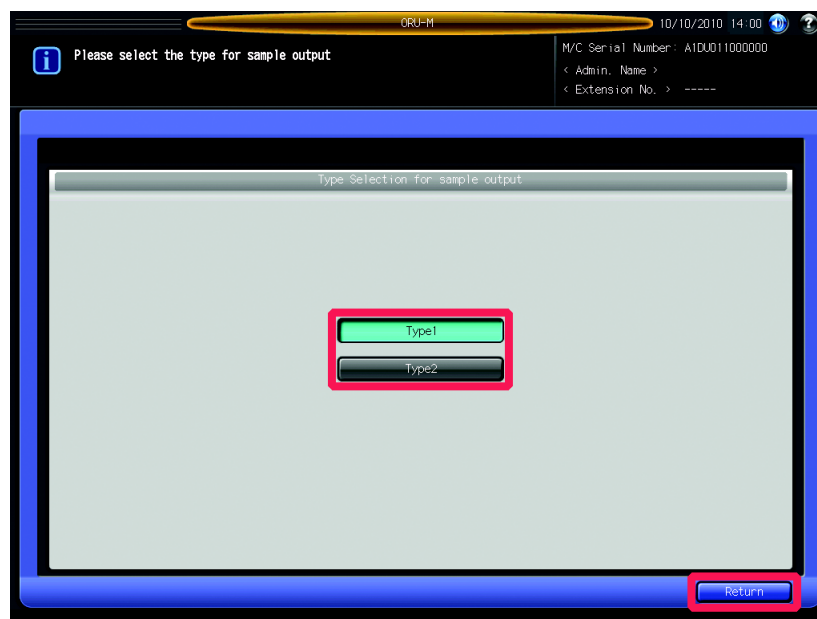
Standard time required to adjust is displayed for an auto-adjustment item in the right side of the item.

For a manual adjustment item, a screen for each item is displayed. When you finish manually adjusting the item, it automatically proceeds to the next screen.

8 Press [Close] in the [Adjustment after unit replacement is complete] dialog box. The Adjustment After Unit Replacing screen will be restored.



- 9 Press [Sample Output Type]. Output a sample after adjustment.
The Type Selection for sample output screen is displayed.
- 10 Select either [Type1] or [Type2].



Type1: Halftone output.

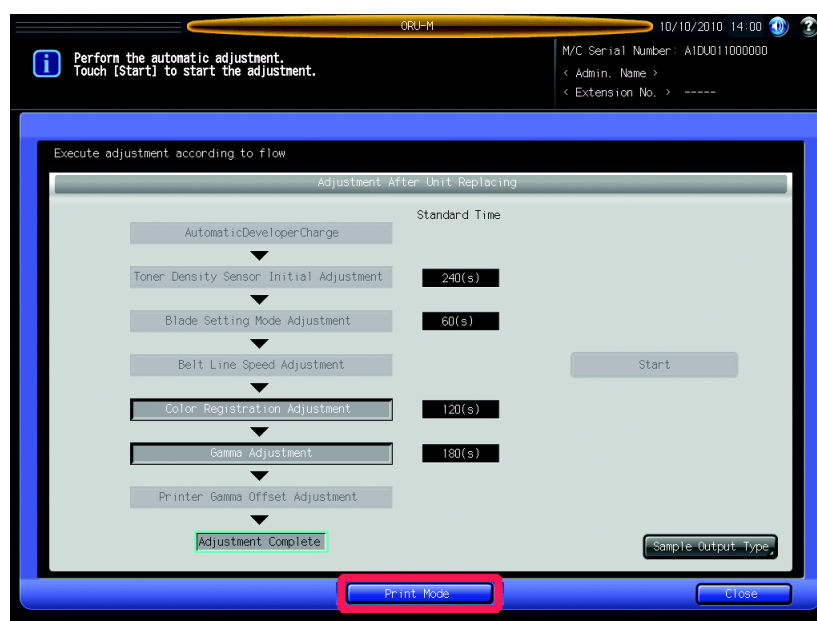
Type2: Color (CMK) output.

Important

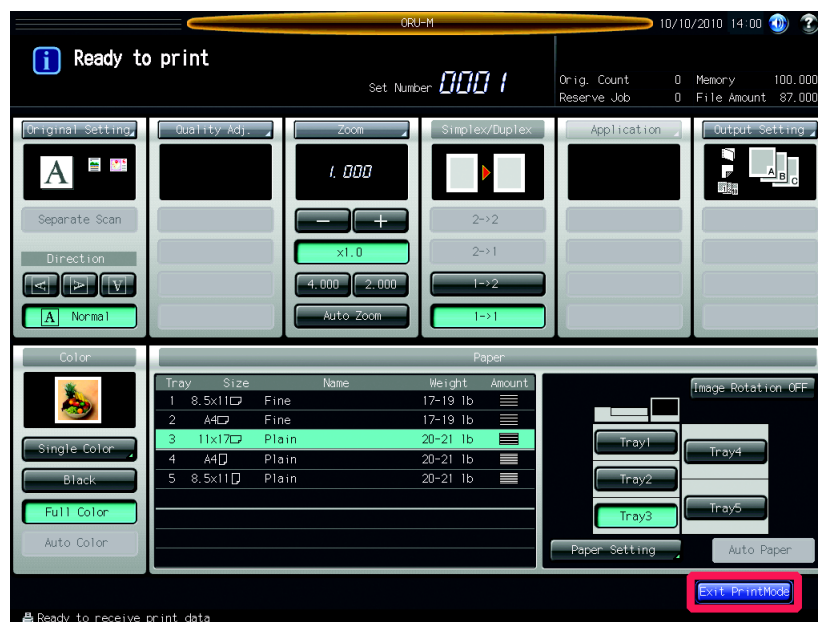
Make sure to print both Type1 and Type2 for sample output.

Press [Return]. The Adjustment After Unit Replacing screen will be restored.

- 11 Press [Print Mode]. The print mode screen is displayed.



- 12** Select a tray for A3 or 11 × 17 paper, and then press **Start** on the control panel.



- 13** Press [Exit PrintMode]. The Adjustment After Unit Replacing screen will be restored.
- 14** Repeat the step 9 to 13 to output samples of both [Type1] and [Type2].
- 15** Confirm the result of the adjustment by comparing the samples before and after the adjustment.
- 16** Press [Close] in the Adjustment After Unit Replacing screen. The Machine Status Screen will be restored.



KONICA MINOLTA

<http://konicaminolta.com>

bizhub PRESS

C7000/C7000P/C6000/C70hc

ORU-M (Operator Replaceable Unit Management) REPLACEMENT INSTRUCTIONS

**Rear Dust-Proof Filter/ Developing Dust-Proof Filter/
Charging Dust-Proof Filter**





Contents

1	Introduction	
2	Preliminary Preparation to Replace ORU-M Units	
2.1	Preliminary Preparation to Replace ORU-M Units	2-2
3	Replacing ORU-M Units	
3.1	Rear Dust-Proof Filter	3-2
3.2	Developing Dust-Proof Filter	3-3
3.3	Charging dust-proof Filter	3-5
4	Adjustment after Replacing the ORU-M Units	
4.1	Adjustment after Replacing the ORU-M Componets.....	4-2



Introduction

1 Introduction

The Objectives of ORU-M (Operator Replaceable Unit Management)

ORU-M system enables users to replace the machine units by themselves. It also helps to minimize machine downtime.

Notice to users of ORU-M

Make sure you take trainings and obtain a certificate of approval before using the ORU-M.

When replacing the machine units, please follow the instructions written in the ORU-M (Operator Replaceable Unit Management) REPLACEMENT INSTRUCTIONS.

To perform replacement tasks safely and reliably, keep the ORU-M (Operator Replaceable Unit Management) REPLACEMENT INSTRUCTIONS and do not lose them. If you lose the instructions, contact your service representative.

Registered Trademarks

bizhub PRESS is a trademark of Konica Minolta Business Technologies, Inc.
Copyright © 2010 Konica Minolta Business Technologies, Inc.



Preliminary Preparation to Replace ORU-M Units

2 Preliminary Preparation to Replace ORU-M Units

When replacing the ORU-M units, switch to the ORU-M mode, and then replace the ORU-M units in accordance with the procedures on the screens.

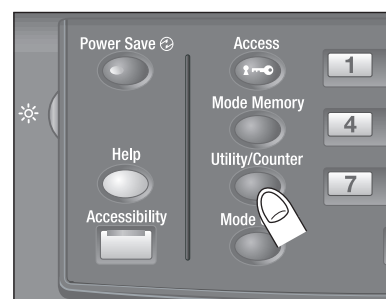
This guide explains the following topics in the order displayed on the screen. Refer to "2 Preliminary Preparation to Replace the ORU-M Units" for the preliminary preparation after you switch to the ORU-M mode and before replacing the units, "3 Replacing ORU-M Units" for the procedures to replace each unit, and "4 Adjustment after Replacing the ORU-M Units" for adjustment procedures after replacing the units.

Print out this guide and keep it at hand for your reference before you start replacement work.

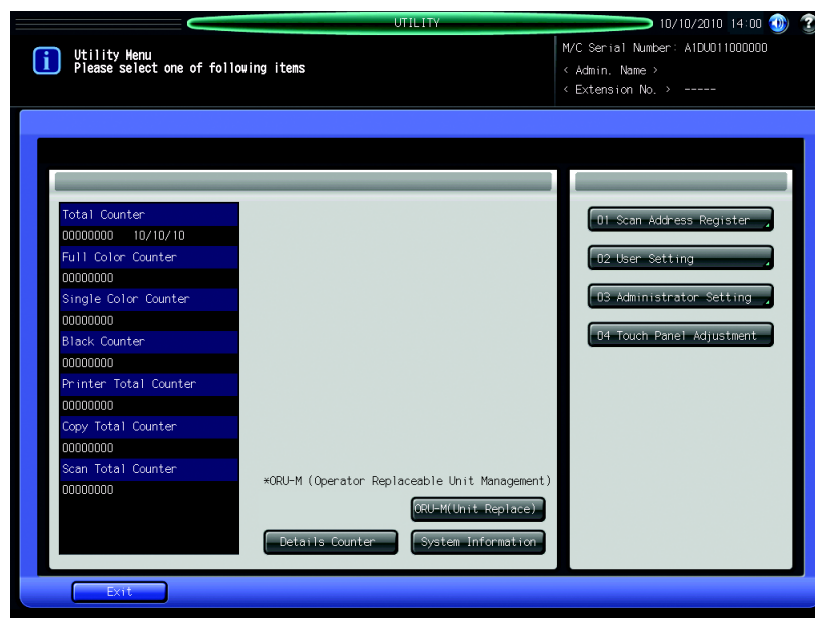
2.1 Preliminary Preparation to Replace ORU-M Units

Before replacing the ORU-M units, follow the procedure below to switch to the ORU-M mode.

- 1 Press [Utility/Counter].
The Utility screen is displayed.



- 2 Press [ORU-M (Unit Replace)].



The ORU-M Replacement Unit screen is displayed. Unit names, life cycles, and replaced dates for the ORU-M units are listed on this screen.

3 Output a sample of the current machine.

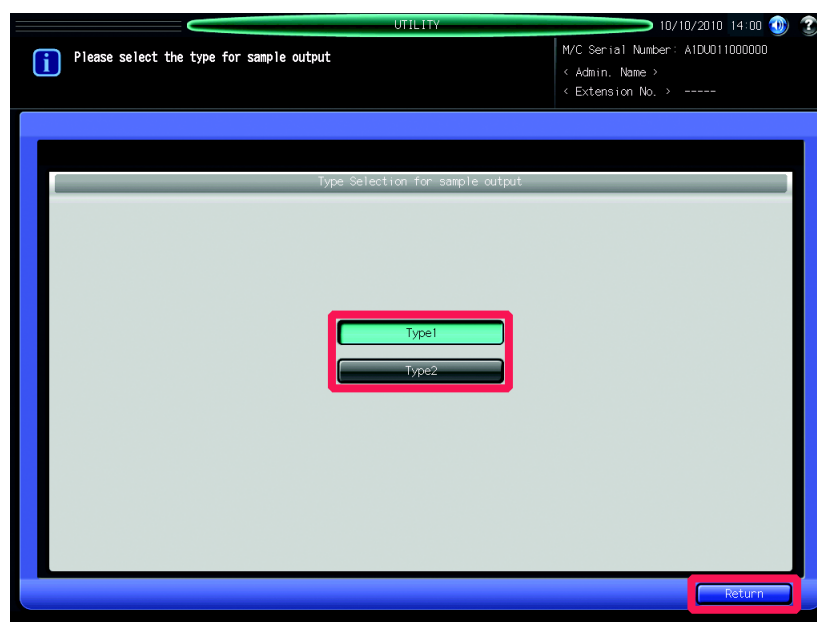
Press [Sample Output Type]. The Type Selection for sample output screen is displayed.



4 Select either [Type1] or [Type2].

Type1: Halftone output.

Type2: Color (CMK) output.



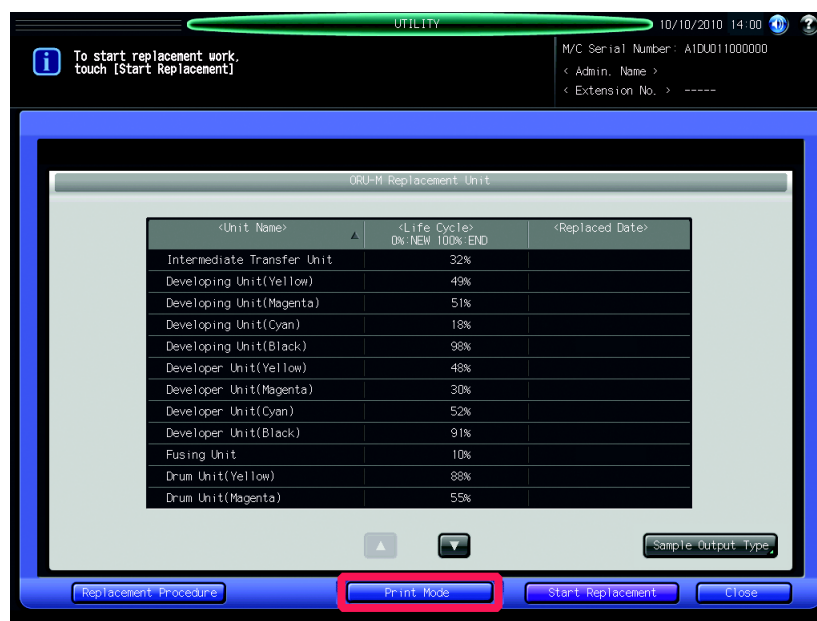
Important

Make sure to print both Type1 and Type2 for sample output.

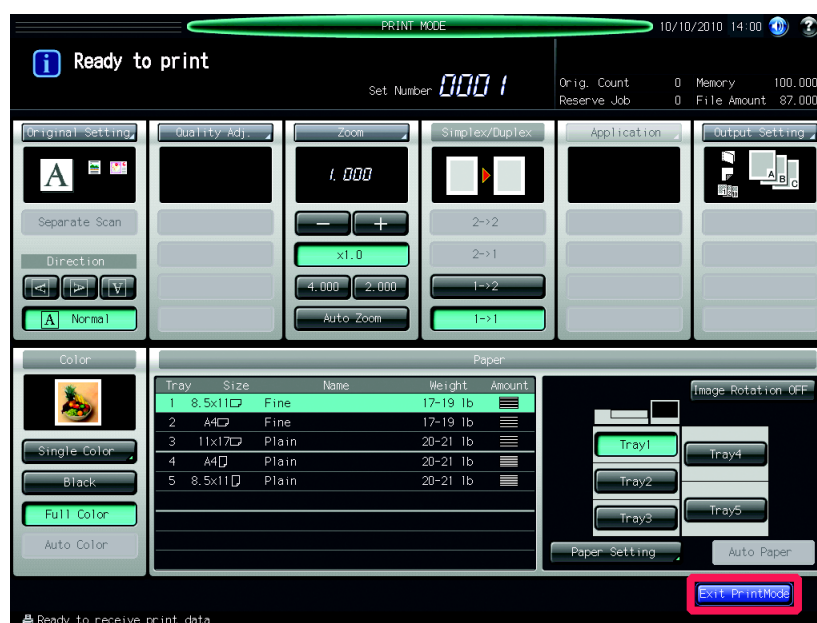
Press [Return]. It will return to the ORU-M Replacement Unit screen.

5 Press [Print Mode].

The PRINT MODE screen is displayed.



6 Select a tray for A3 or 11 × 17 paper, then press **Start** on the control panel.



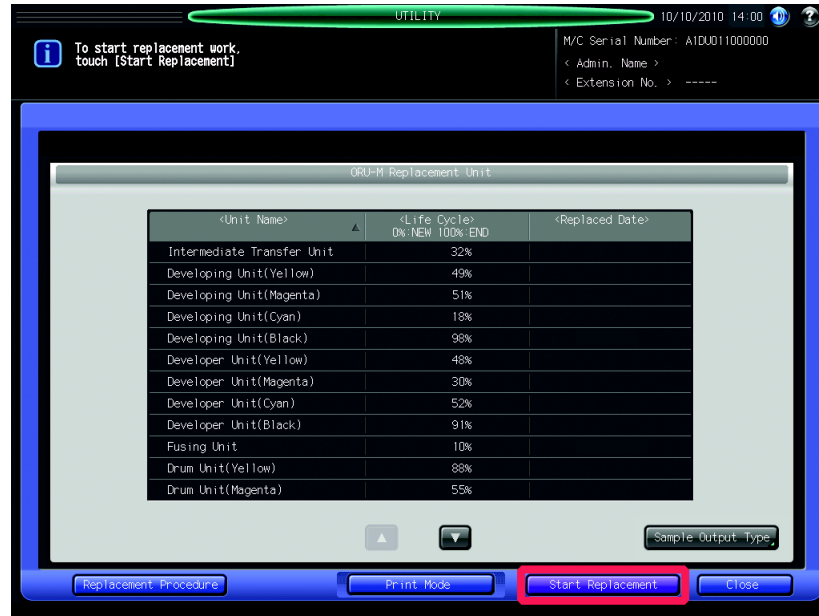
Important

You can not output the entire sample if you specify a paper size other than A3 or 11 × 17.

7 Press [Exit PrintMode]. It will return to the ORU-M Replacement Unit screen.

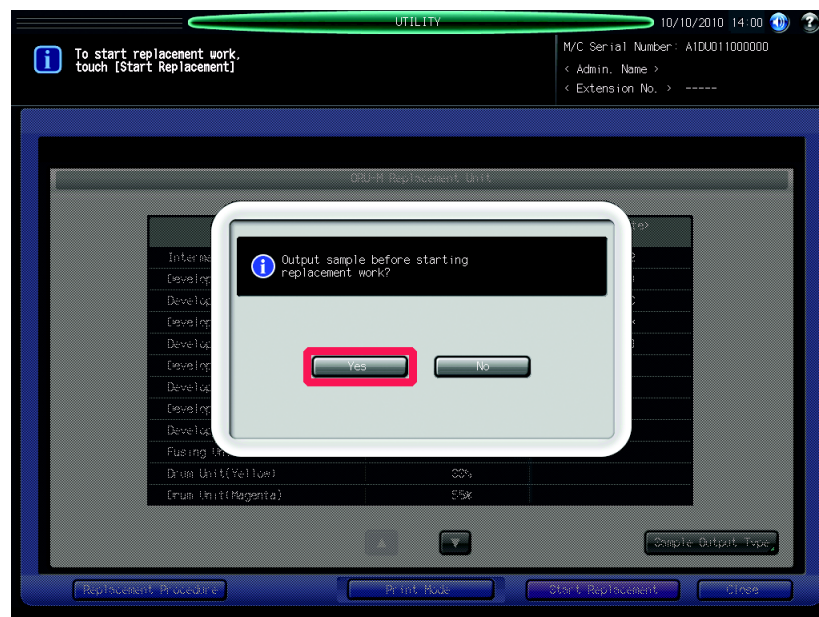
8 Repeat steps 3 to 7 to output both samples of [Type1] and [Type2].

9 Press [Start Replacement].



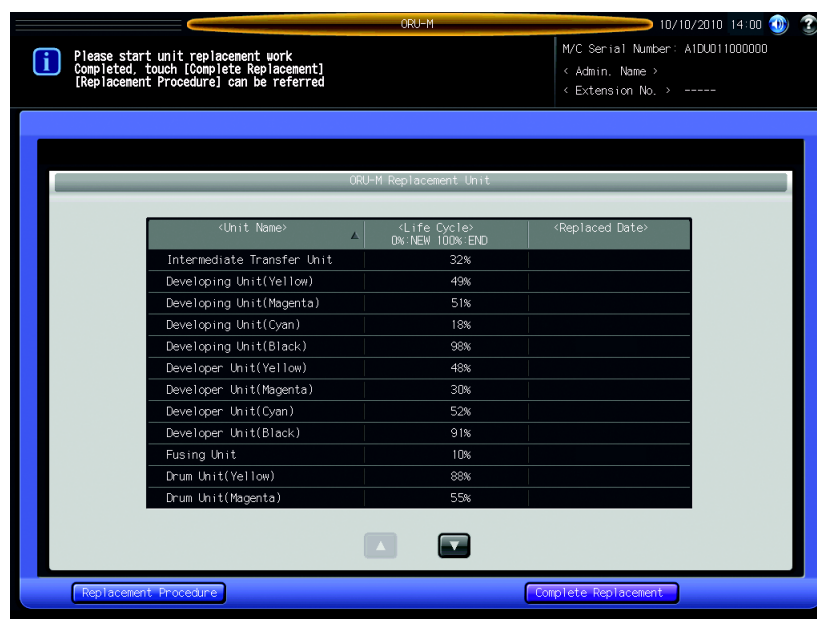
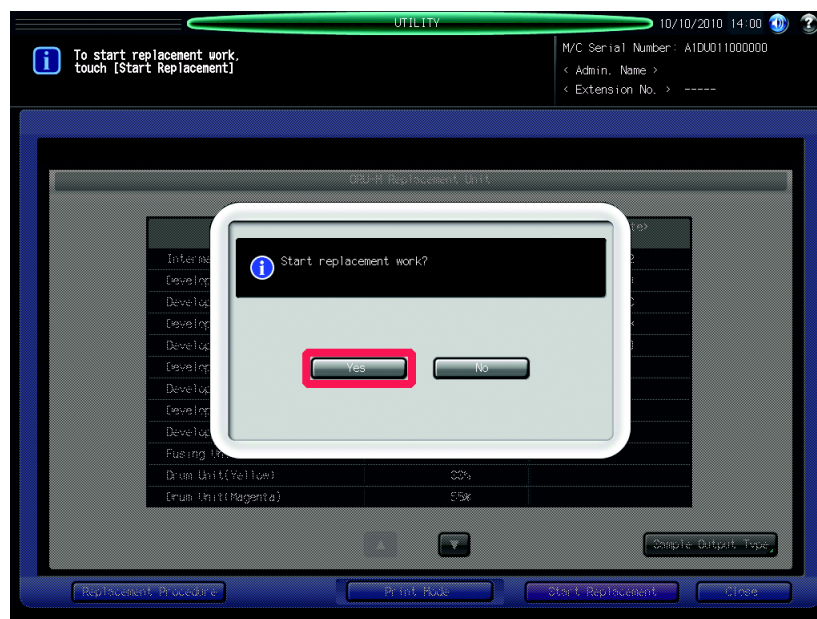
10 Press [Yes].

The machine automatically turns off.



11 If you want to start replacement works, press [Yes].

It automatically switches to ORU-M replacement mode, returns to the ORU-M Replacement Unit screen.

**12** Please refer to the "3 Replacing ORU-M Units" to replace the units.**Important**

You can check the procedures of unit replacement on the screen when replacing the units.



Replacing ORU-M Units

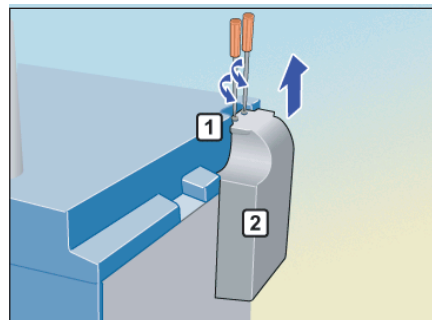
3 Replacing ORU-M Units

3.1 Rear Dust-Proof Filter

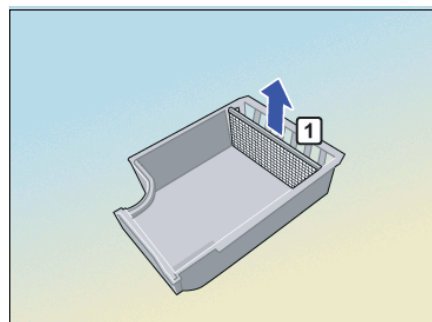
Important

You can check the procedures of the unit replacement on the screen when replacing the units.

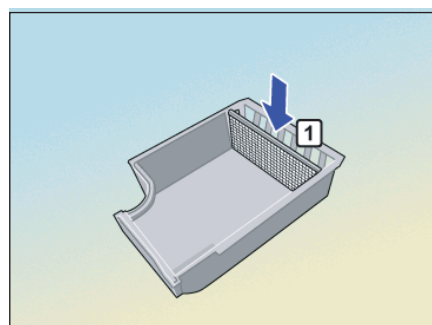
- 1 Loosen the screws [1] (2 pieces) to remove the dust-proof filter cover [2].



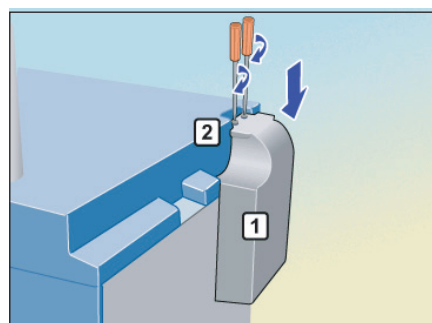
- 2 Remove the rear dust-proof filter [1] by pushing it one side at a time toward the inward side of the dust proof cover and releasing the lock.



- 3 Attach the new rear dust-proof filter [1] by fitting it into the groove inside of the dust-proof filter cover and locking it.



- 4 Fix the dust-proof filter cover [1] with the screws [2] (2 pieces).



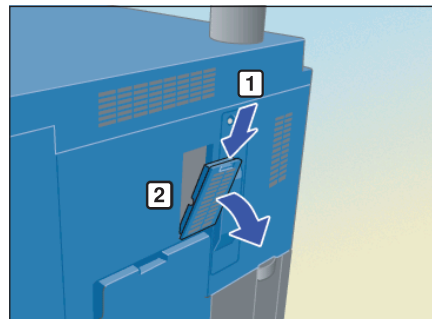
3.2 Developing Dust-Proof Filter

Important

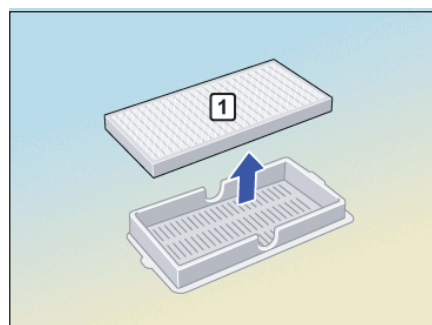
You can check the procedures of the unit replacement on the screen when replacing the units.

When the PFU is not installed:

- 1 Press down the knob on the top of the dust-proof filter cover [1] and remove the dust-proof filter cover [2].

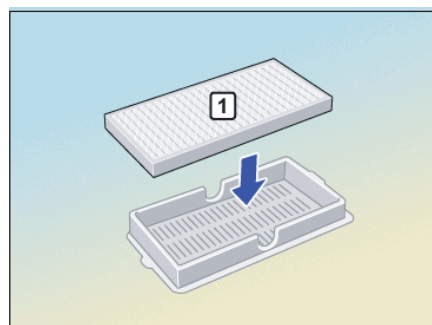


- 2 Remove the developing dust-proof filter [1] from the dust-proof filter cover.

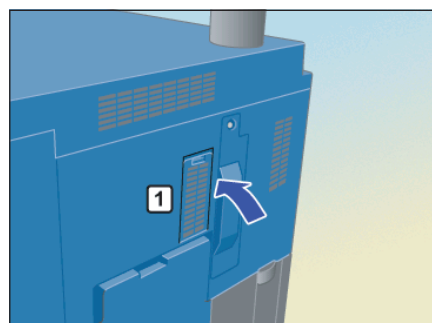


- 3 Attach the new developing dust-proof filter [1] to the dust-proof filter cover.

You can attach the developing dust-proof filter to both sides of the cover.

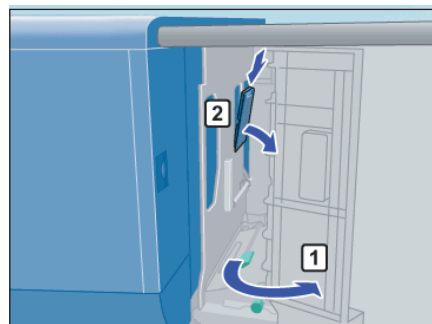


- 4 Attach the dust-proof filter cover [1].

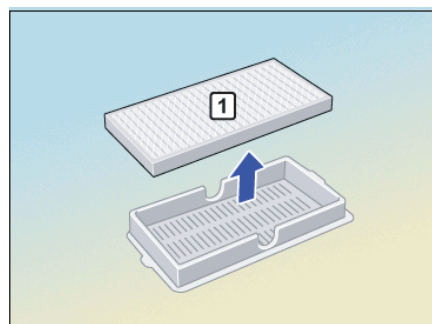


When the PFU is installed:

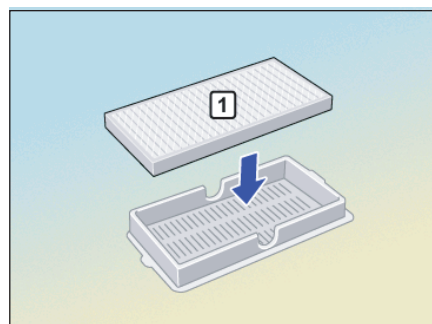
- 1 Open the front door of the PFU [1].
Press down the knob on the top of the dust-proof filter cover [2] and remove the dust-proof filter cover [2].



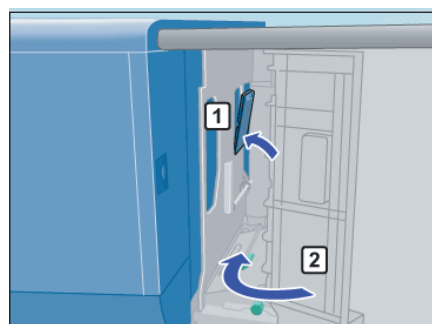
- 2 Remove the developing dust-proof filter [1] from the dust-proof filter cover.



- 3 Attach the new developing dust-proof filter [1] to the dust-proof filter cover.
You can attach the developing dust-proof filter to both sides of the cover.

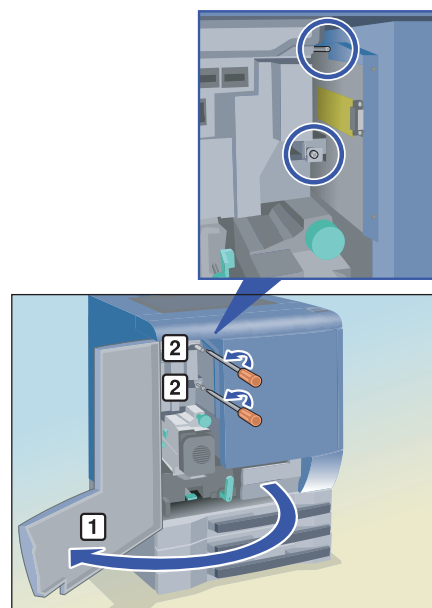


- 4 Attach the dust-proof filter cover [1].
Close the front door of the PFU [2].

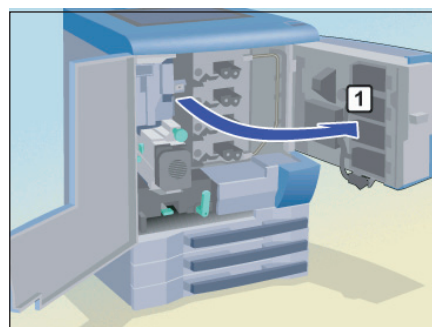


3.3 Charging Dust-Proof Filter

- 1 Open the front door [1] of the main body and loosen the screws [2] (2 pieces).

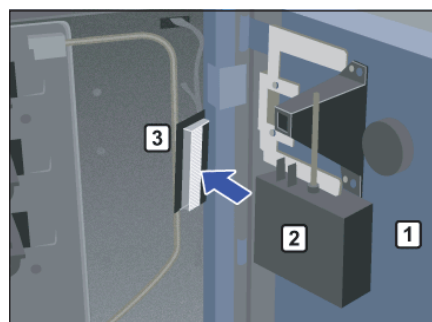


- 2 Open the toner hopper unit door [1].



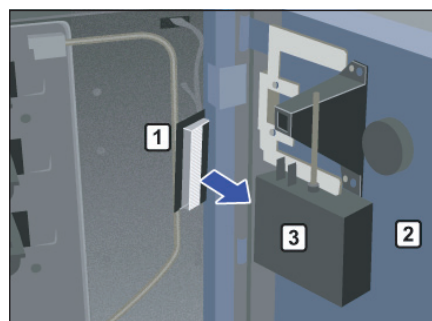
- 3 Remove the charging dust-proof filter [3] from the charging suction assy [2] installed inside of the toner hopper unit [1].

When removing the charging dust-proof filter, remove first the top and then the bottom.

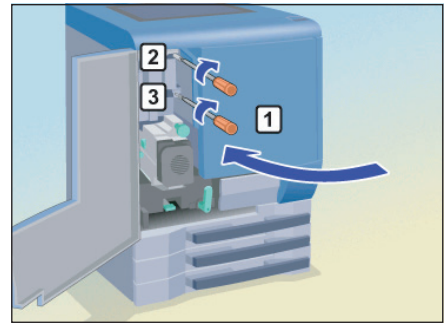


- 4 Attach the new charging dust-proof filter [1] to the charging suction assy [3] installed inside of the toner hopper unit [2] in the direction in the right figure.

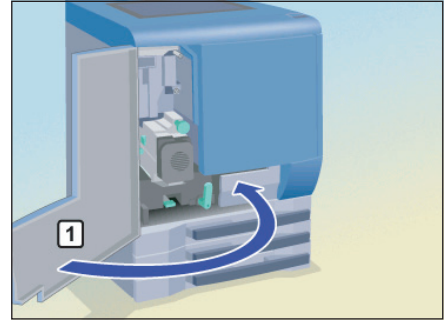
When attaching the charging dust-proof filter, attach first the bottom and then the top.



- 5** Close the toner hopper unit door [1] and fix it with the screws [2] and [3] (1 piece for each).



- 6** Close the front door [1] of the main body.



4

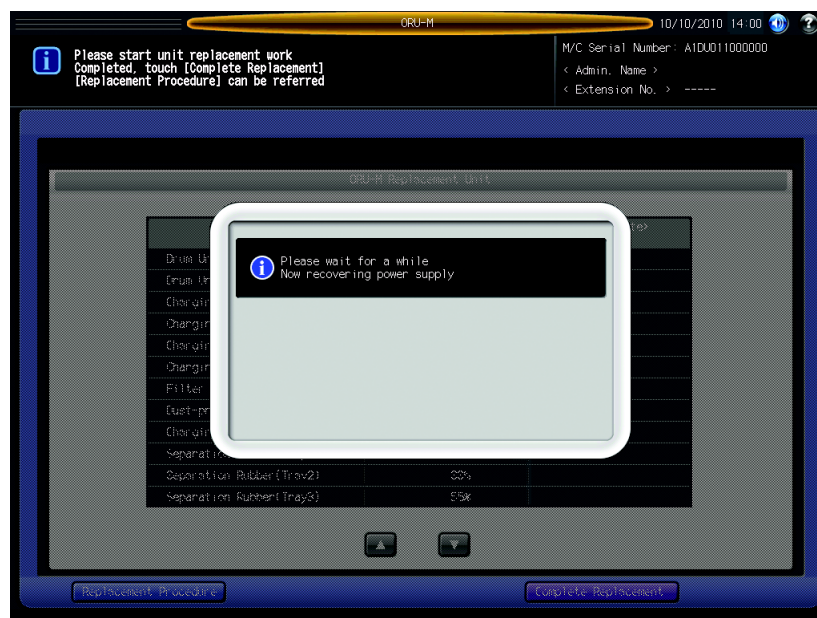
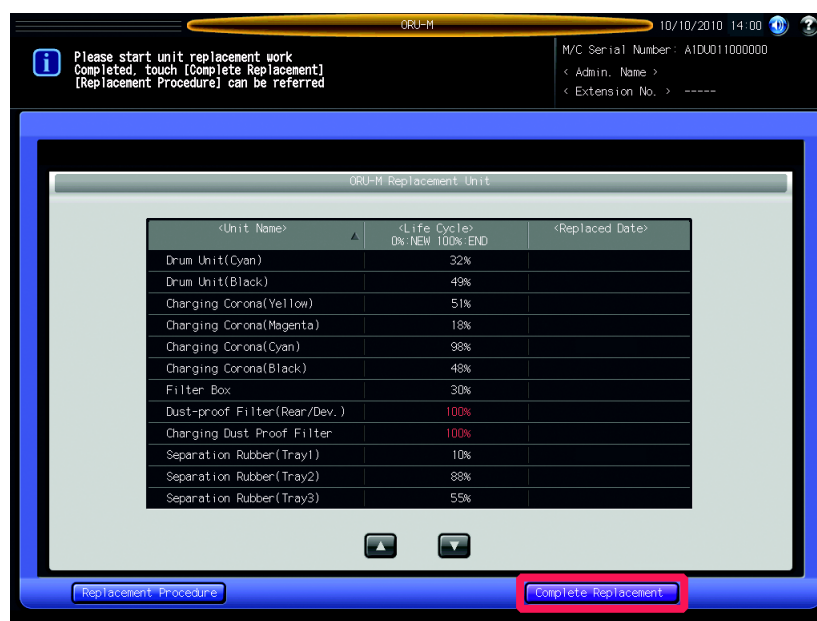
Adjustment after Replacing the ORU-M Units

4 Adjustment after Replacing the ORU-M Units

After replacing the ORU-M units, make adjustments on them.

4.1 Adjustment after Replacing the ORU-M Componets

- 1 After replacing the ORU-M units, press [Complete Replacement] on the ORU-M Replacement Unit screen.



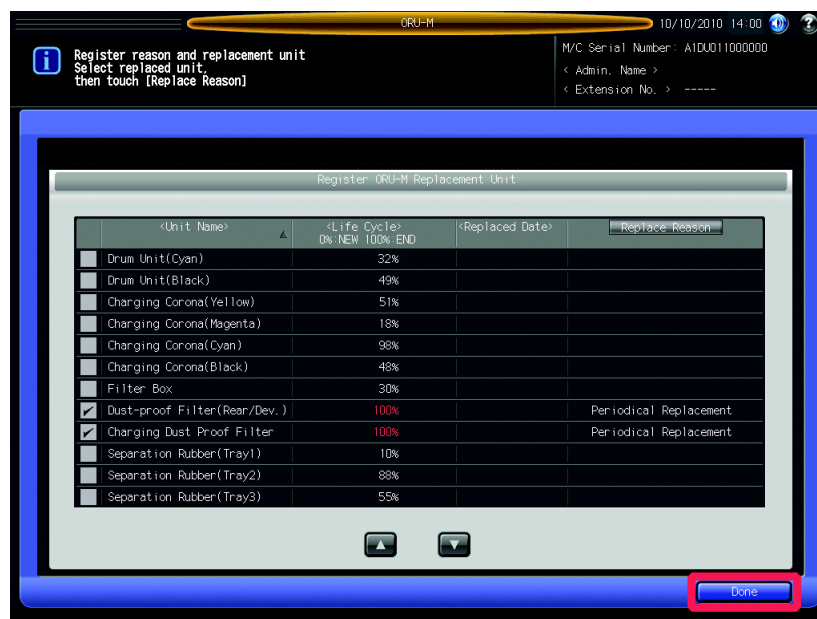
The machine automatically turns on and the Register ORU-M Replacement Unit screen is displayed.

Important

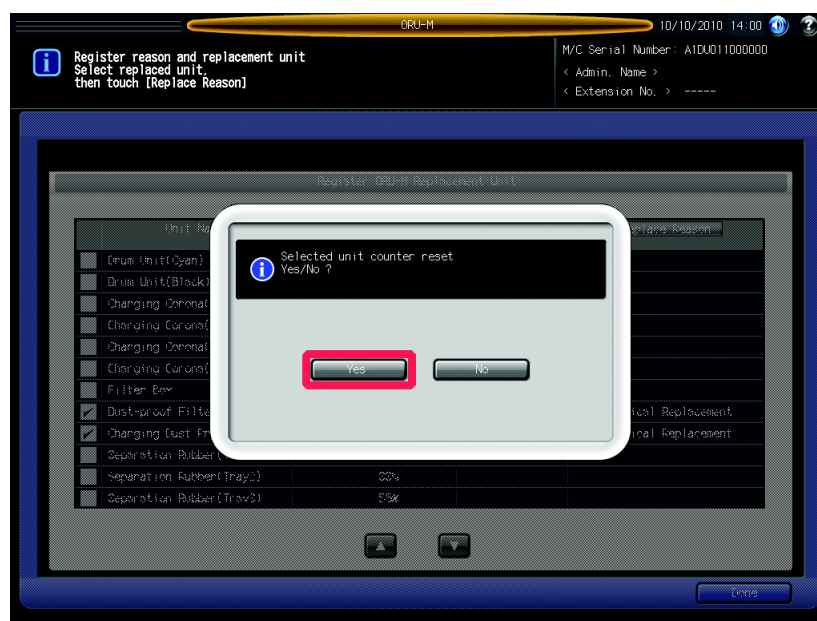
Please make sure that you fix the toner hopper unit with the screws and close the front door. Otherwise, the machine will not automatically turn off.

- 4 Repeat step 2 to 4 until you set reasons for all units that you replaced.
- 5 Press [Done].

A dialog box is displayed, with a checkbox to choose whether to reset the counters of the units.

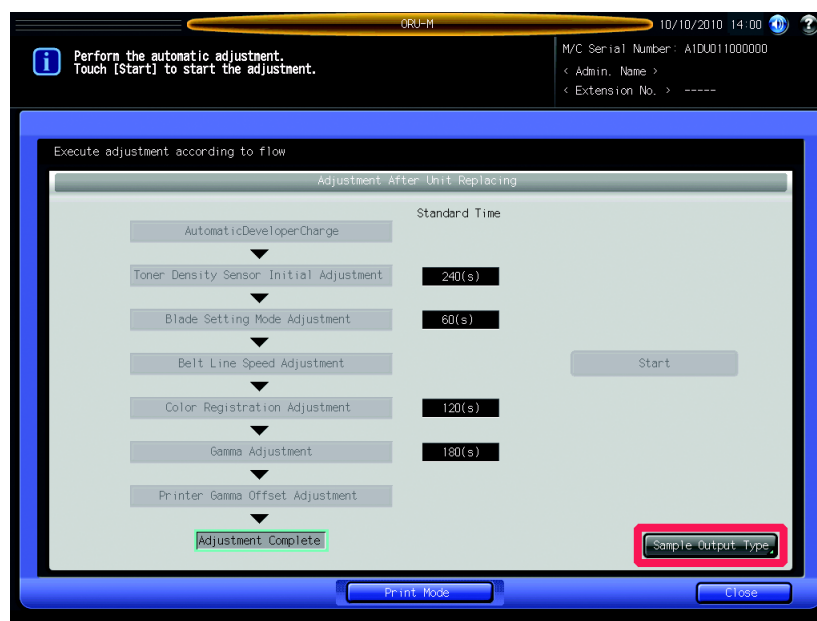


- 6 Press [Yes].

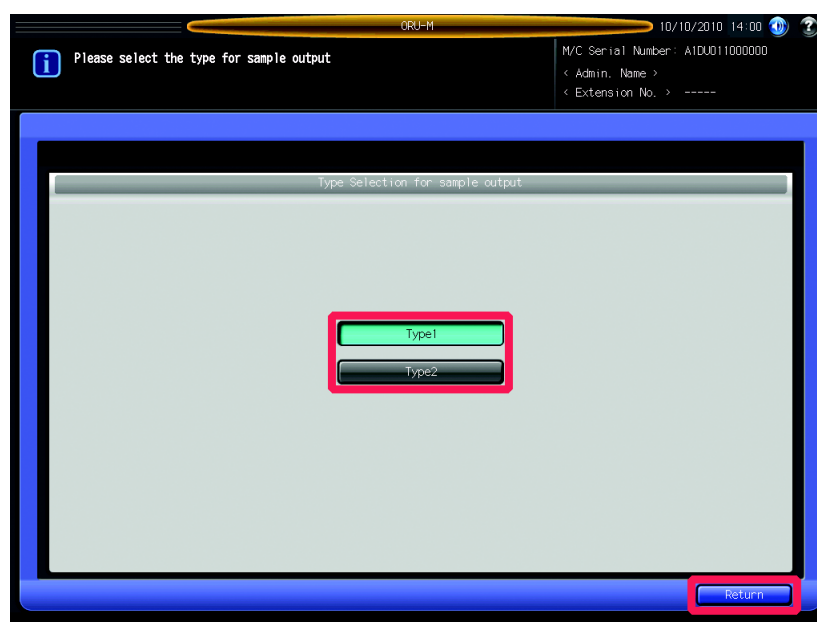


The Adjustment After Unit Replacing screen is displayed.

- 7 Press [Sample Output Type]. Output a sample after adjustment.
The Type Selection for sample output screen is displayed.



- 8 Select either [Type1] or [Type2].



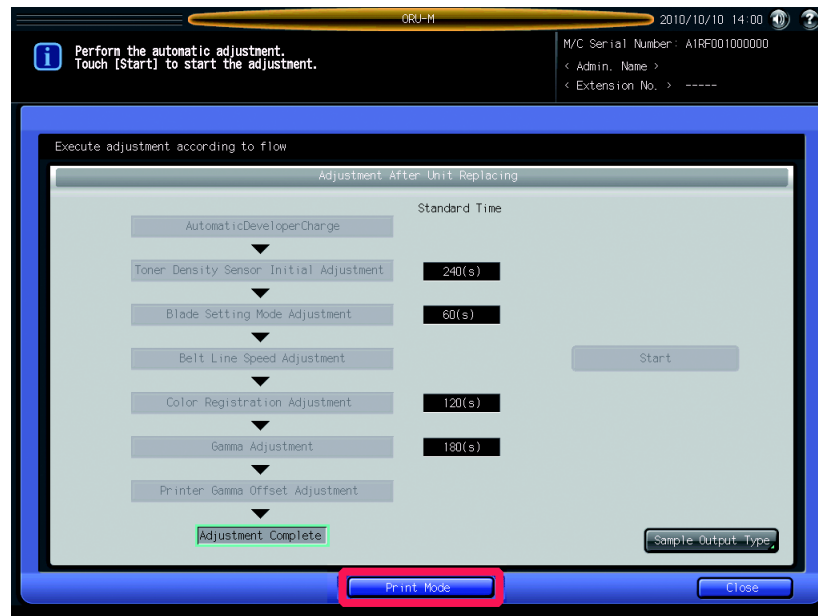
Type1: Halftone output.
Type2: Color (CMK) output.

Important

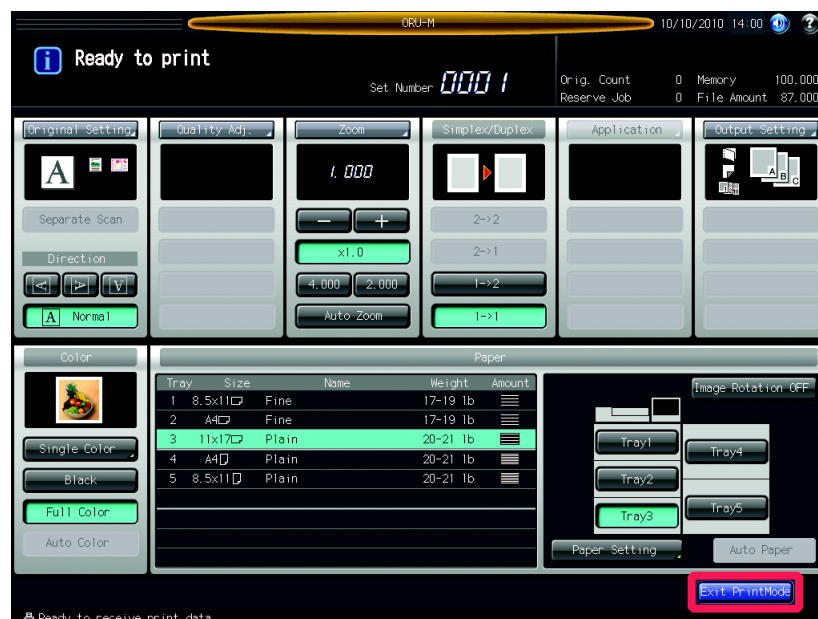
Make sure to print both Type1 and Type2 for sample output.

Press [Return]. The Adjustment After Unit Replacing screen will be restored.

- 9 Press [Print Mode]. The print mode screen is displayed.



- 10 Select a tray for A3 or 11 × 17 paper, and then press **Start** on the control panel.



- 11 Press [Exit PrintMode]. The Adjustment After Unit Replacing screen will be restored.
- 12 Repeat the step 7 to 11 to output samples of both [Type1] and [Type2].
- 13 Confirm the result of the adjustment by comparing the samples before and after the adjustment.
- 14 Press [Close] in the Adjustment After Unit Replacing screen. The Machine Status Screen will be restored.



KONICA MINOLTA

<http://konicaminolta.com>

bizhub PRESS

C7000/C7000P/C6000/C70hc

ORU-M (Operator Replaceable Unit Management) REPLACEMENT INSTRUCTIONS Filter Box





Contents

- 1 Introduction
- 2 Preliminary Preparation to Replace ORU-M Units
 - 2.1 Preliminary Preparation to Replace ORU-M Units 2-2
- 3 Replacing ORU-M Units
 - 3.1 Filter Box 3-2
- 4 Adjustment after Replacing the ORU-M Units
 - 4.1 Adjustment after Replacing the ORU-M Componets..... 4-2



Introduction

1 Introduction

The Objectives of ORU-M (Operator Replaceable Unit Management)

ORU-M system enables users to replace the machine units by themselves. It also helps to minimize machine downtime.

Notice to users of ORU-M

Make sure you take trainings and obtain a certificate of approval before using the ORU-M.

When replacing the machine units, please follow the instructions written in the ORU-M (Operator Replaceable Unit Management) REPLACEMENT INSTRUCTIONS.

To perform replacement tasks safely and reliably, keep the ORU-M (Operator Replaceable Unit Management) REPLACEMENT INSTRUCTIONS and do not lose them. If you lose the instructions, contact your service representative.

Registered Trademarks

bizhub PRESS is a trademark of Konica Minolta Business Technologies, Inc.
Copyright © 2010 Konica Minolta Business Technologies, Inc.



Preliminary Preparation to Replace ORU-M Units

2 Preliminary Preparation to Replace ORU-M Units

When replacing the ORU-M units, switch to the ORU-M mode, and then replace the ORU-M units in accordance with the procedures on the screens.

This guide explains the following topics in the order displayed on the screen. Refer to "2 Preliminary Preparation to Replace the ORU-M Units" for the preliminary preparation after you switch to the ORU-M mode and before replacing the units, "3 Replacing ORU-M Units" for the procedures to replace each unit, and "4 Adjustment after Replacing the ORU-M Units" for adjustment procedures after replacing the units.

Print out this guide and keep it at hand for your reference before you start replacement work.

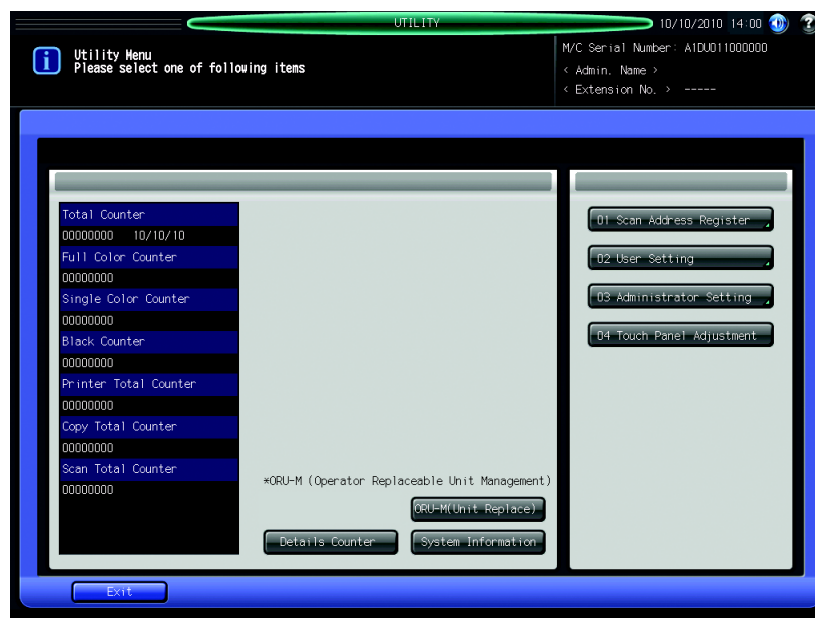
2.1 Preliminary Preparation to Replace ORU-M Units

Before replacing the ORU-M units, follow the procedure below to switch to the ORU-M mode.

- 1 Press [Utility/Counter].
The Utility screen is displayed.



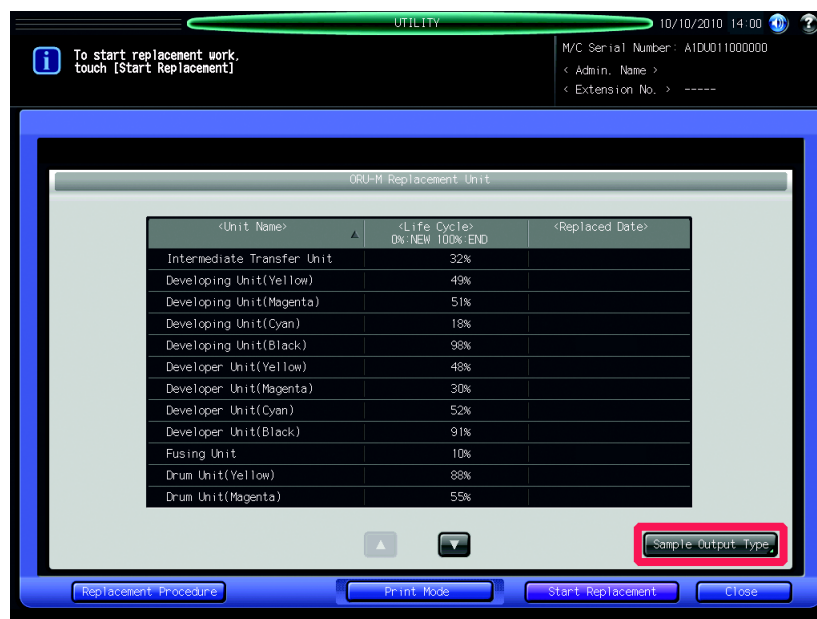
- 2 Press [ORU-M (Unit Replace)].



The ORU-M Replacement Unit screen is displayed. Unit names, life cycles, and replaced dates for the ORU-M units are listed on this screen.

3 Output a sample of the current machine.

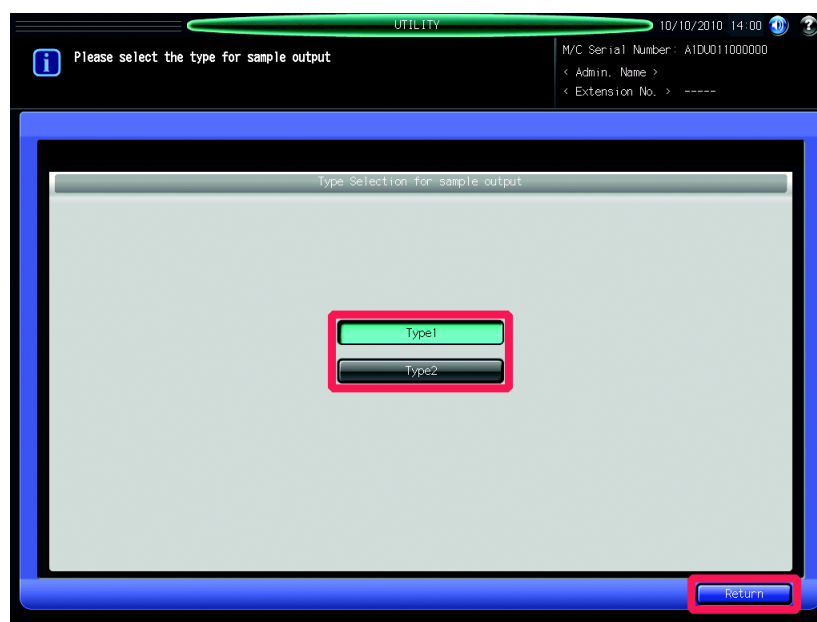
Press [Sample Output Type]. The Type Selection for sample output screen is displayed.



4 Select either [Type1] or [Type2].

Type1: Halftone output.

Type2: Color (CMK) output.



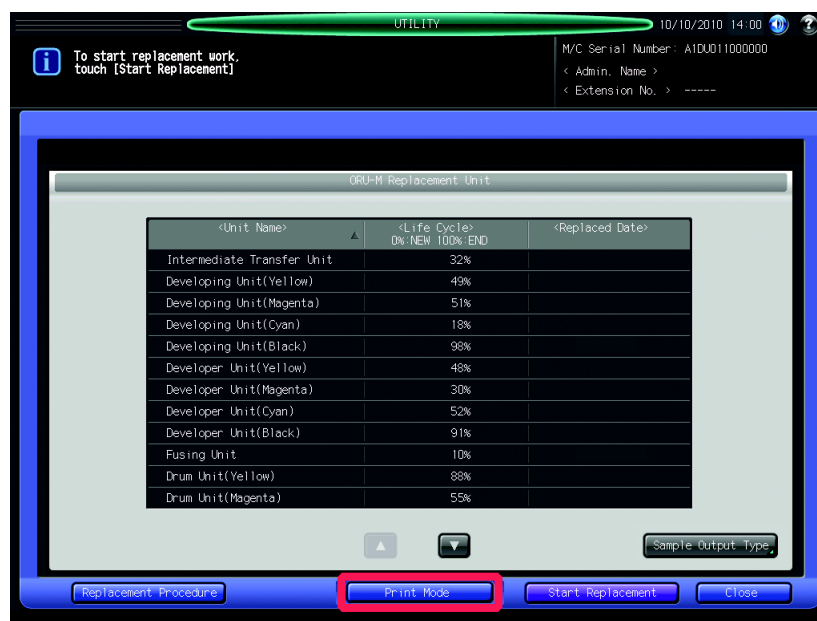
Important

Make sure to print both Type1 and Type2 for sample output.

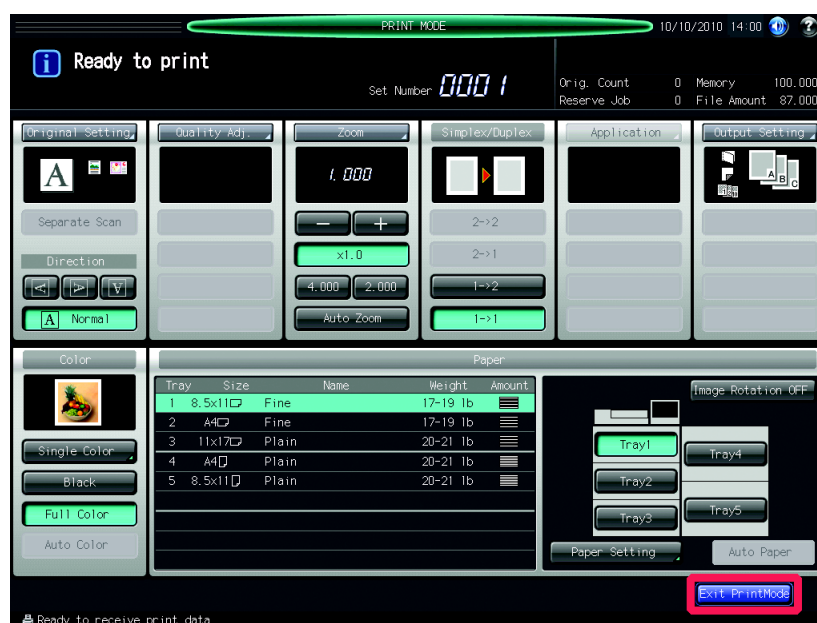
Press [Return]. It will return to the ORU-M Replacement Unit screen.

5 Press [Print Mode].

The PRINT MODE screen is displayed.



6 Select a tray for A3 or 11 × 17 paper, then press **Start** on the control panel.



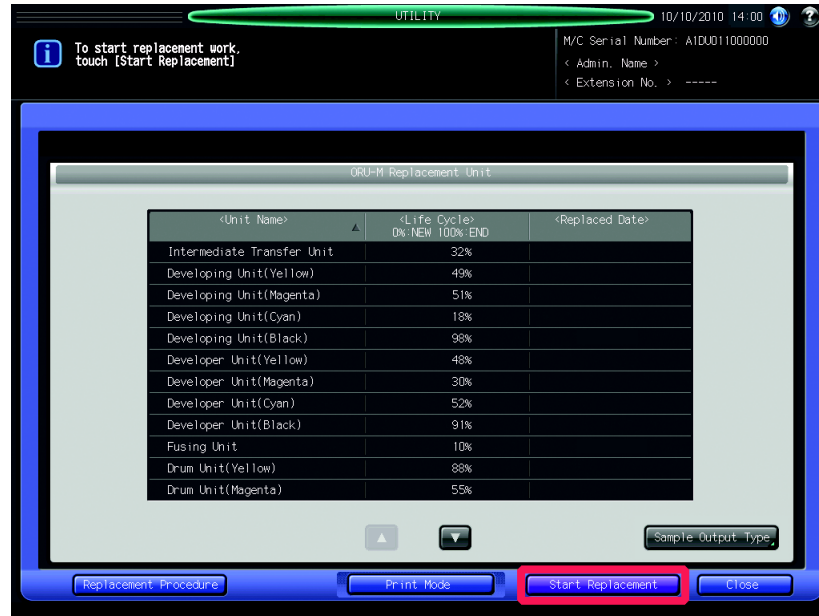
Important

You can not output the entire sample if you specify a paper size other than A3 or 11 × 17.

7 Press [Exit PrintMode]. It will return to the ORU-M Replacement Unit screen.

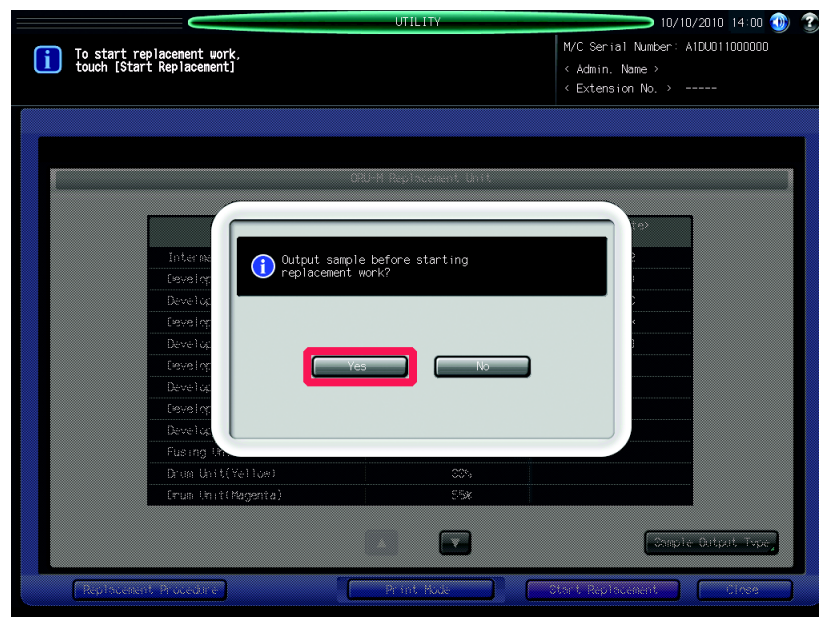
8 Repeat steps 3 to 7 to output both samples of [Type1] and [Type2].

9 Press [Start Replacement].



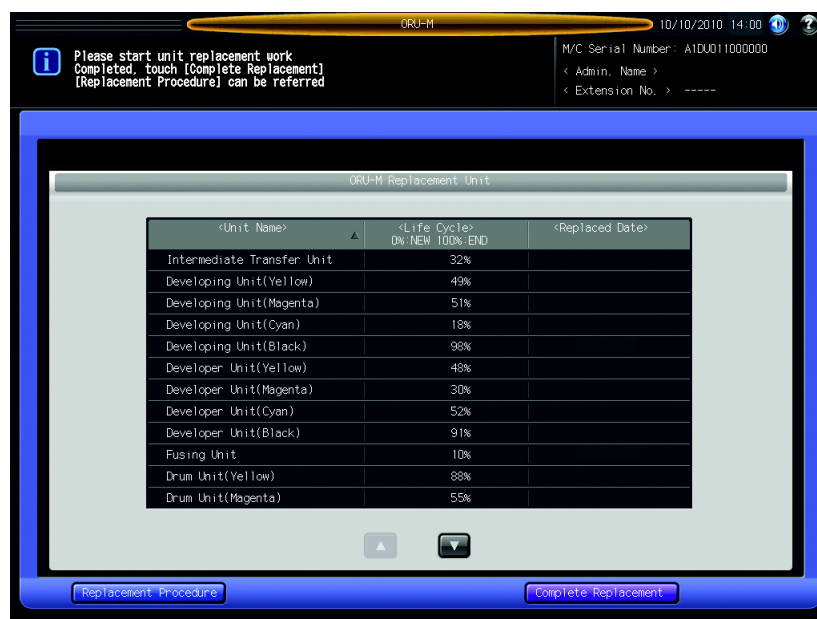
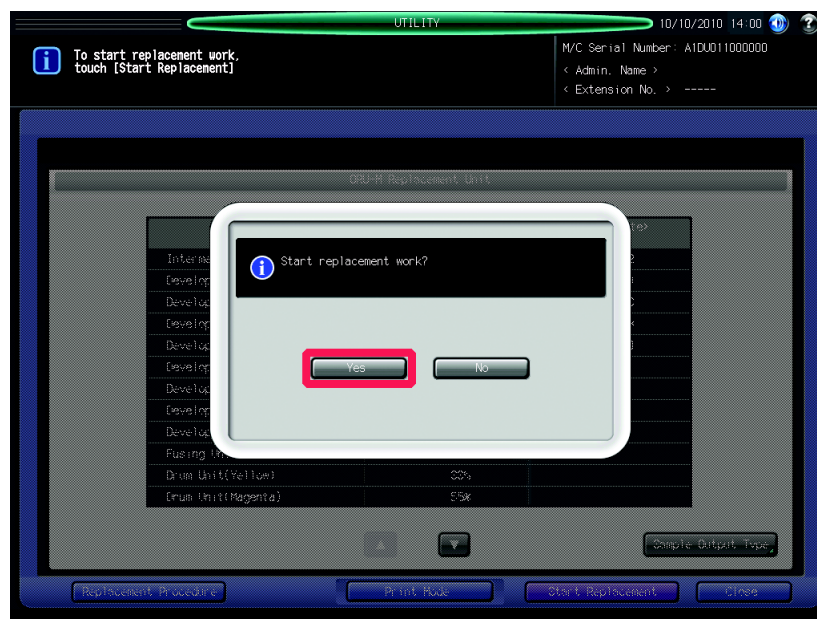
10 Press [Yes].

The machine automatically turns off.



11 If you want to start replacement works, press [Yes].

It automatically switches to ORU-M replacement mode, returns to the ORU-M Replacement Unit screen.

**12** Please refer to the "3 Replacing ORU-M Units" to replace the units.**Important**

You can check the procedures of unit replacement on the screen when replacing the units.



Replacing ORU-M Units

3 Replacing ORU-M Units

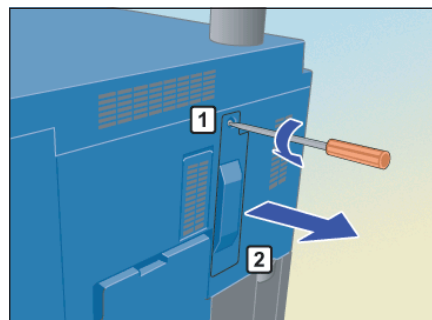
3.1 Filter Box

Important

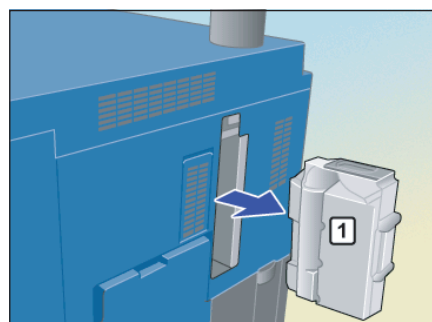
You can check the procedures of the unit replacement on the screen when replacing the units.

When the PFU is not installed:

- 1 Loosen the screw [1] (1 piece) to remove the dust-proof filter cover [2].

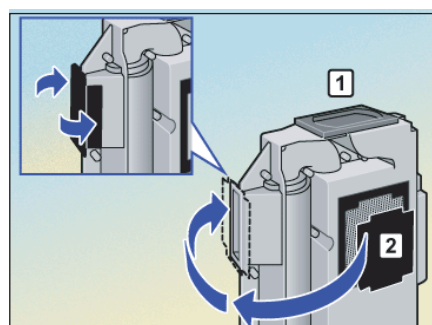


- 2 Pull out the filter box [1] from the main body.

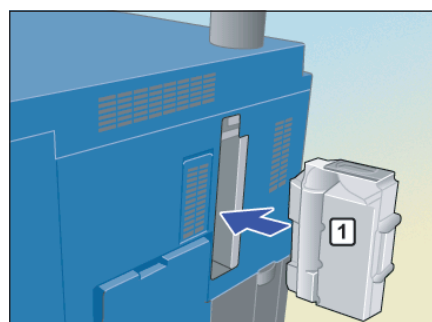


- 3 Tear off the attached seal [2] from the filter box [1].

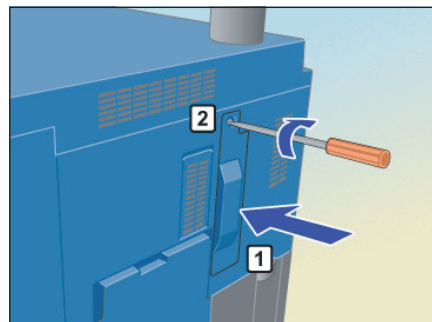
Stick the seal [2] onto the filter box [1] so that it covers the suction hole of the filter box [1]. Place the seal so that the left and right sides of the seal align with the sides of the filter box [1].



- 4 Insert the new filter box [1] into the main body.

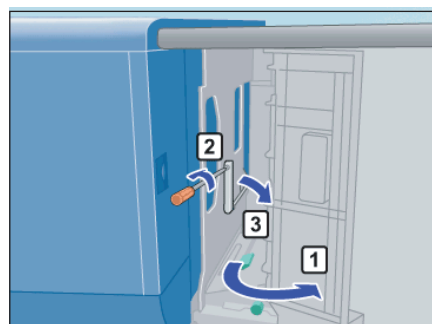


- 5** Attach the dust filter cover [1] and tighten the screw [2].



When the PFU is installed:

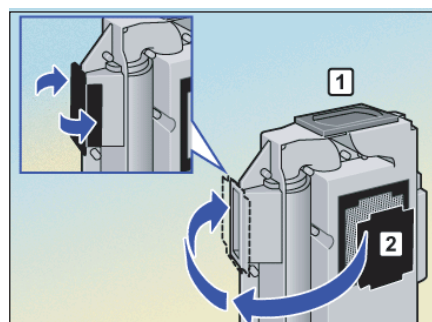
- 1** Open the front door [1] of the PFU.
Loosen the screw [2] (1 piece) and push the lever [3] down to the right.



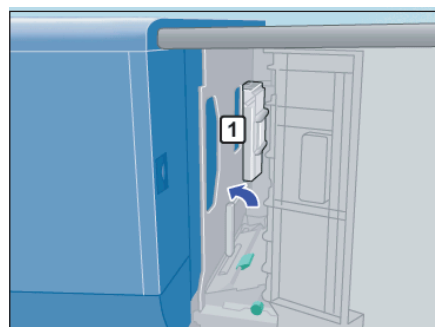
- 2** Pull out the filter box [1] from the main body.



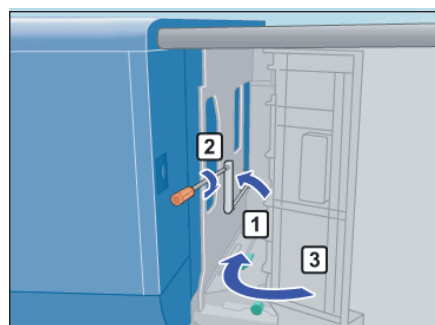
- 3** Tear off the attached seal [2] from the filter box [1].
Stick the seal [2] onto the filter box [1] so that it covers the suction hole of the filter box [1].
Place the seal so that the left and right sides of the seal align with the sides of the filter box [1].



- 4 Insert the new filter box [1] into the main body.



- 5 Return the lever [1] to its original position and tighten the screw [2] (1 piece).
Close the front door [3] of the PFU.



4

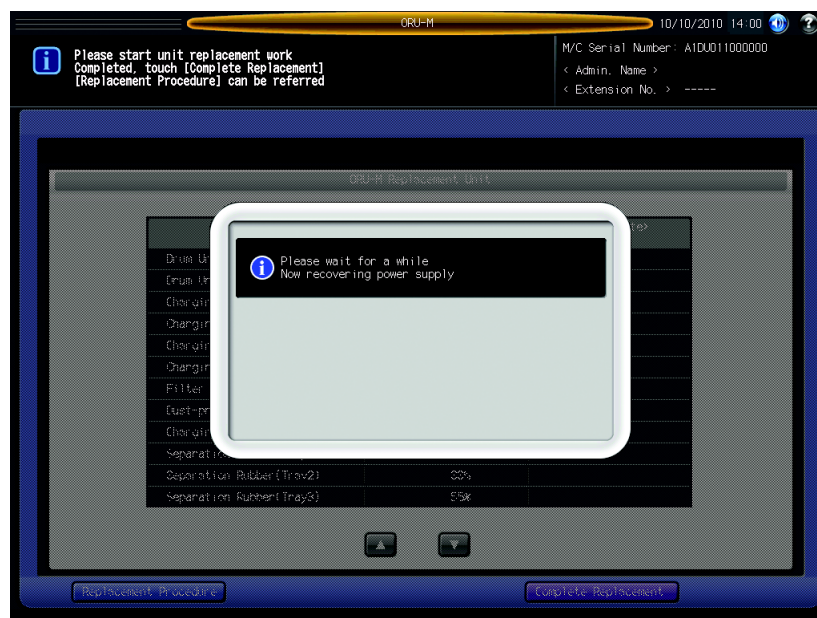
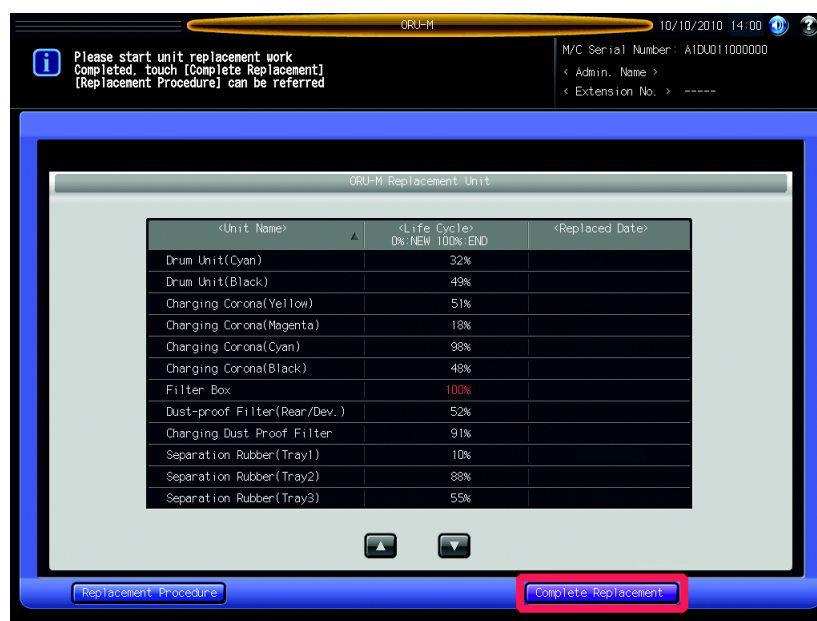
Adjustment after Replacing the ORU-M Units

4 Adjustment after Replacing the ORU-M Units

After replacing the ORU-M units, make adjustments on them.

4.1 Adjustment after Replacing the ORU-M Componets

- 1 After replacing the ORU-M units, press [Complete Replacement] on the ORU-M Replacement Unit screen.



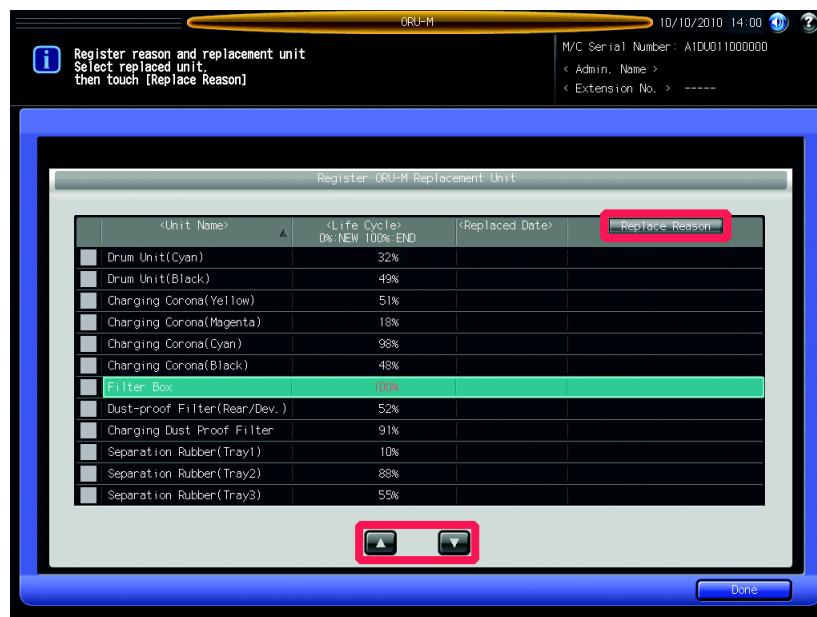
The machine automatically turns on and the Register ORU-M Replacement Unit screen is displayed.

Important

Please make sure that you fix the toner hopper unit with the screws and close the front door. Otherwise, the machine will not automatically turn off.

2 Select the row of the unit that you replaced.

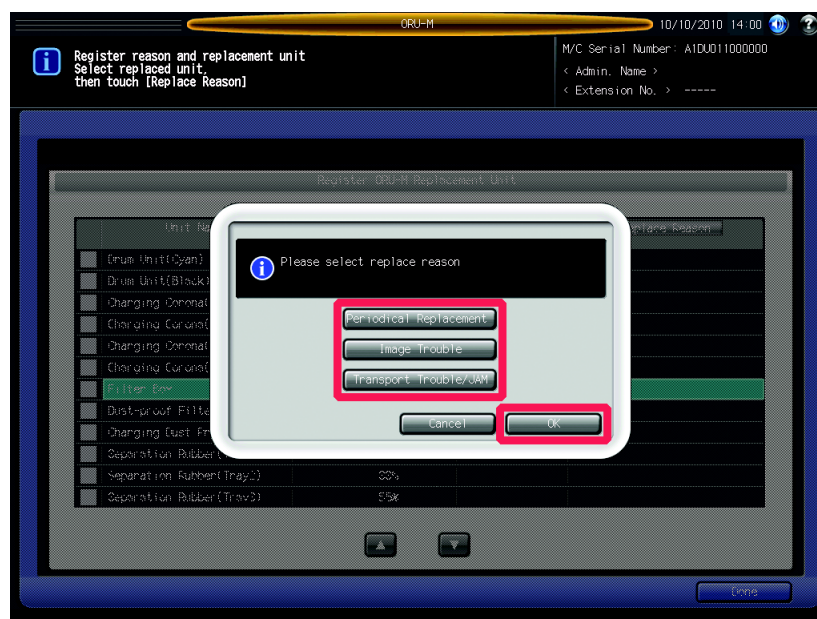
- If the unit that you replaced is not displayed on the screen, press [▲] [▼] to display it.
- If you replaced multiple units, you can configure several units at once by selecting units with the same replacement reason and setting the reason to the units.



3 Press [Replace Reason] to display a dialog box asking a replacement reason. Select a reason, then press [OK].

Important

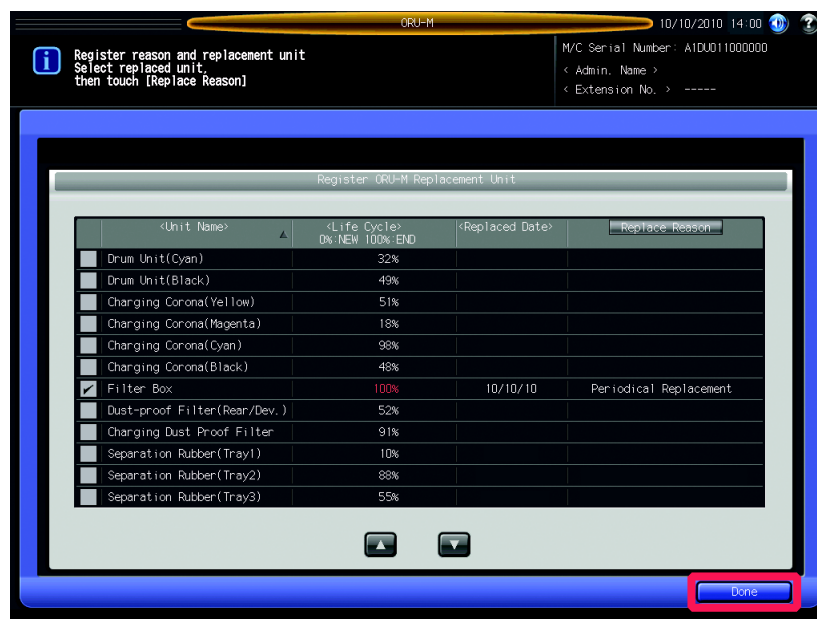
Please make sure to set a replacement reason for the replaced units. Otherwise, it does not reset a counter for the Life Cycle of the units and you can not properly adjust the units in next steps.



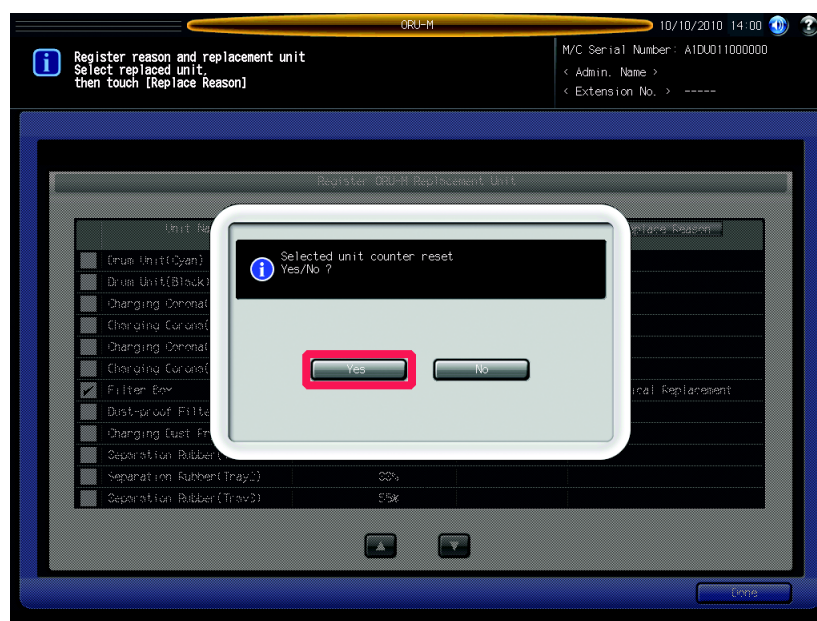
After you set a replacement reason for the replaced units, a check will appear in the checkbox left of the unit name.

- 4 Repeat step 2 to 4 until you set reasons for all units that you replaced.
- 5 Press [Done].

A dialog box is displayed, with a checkbox to choose whether to reset the counters of the units.

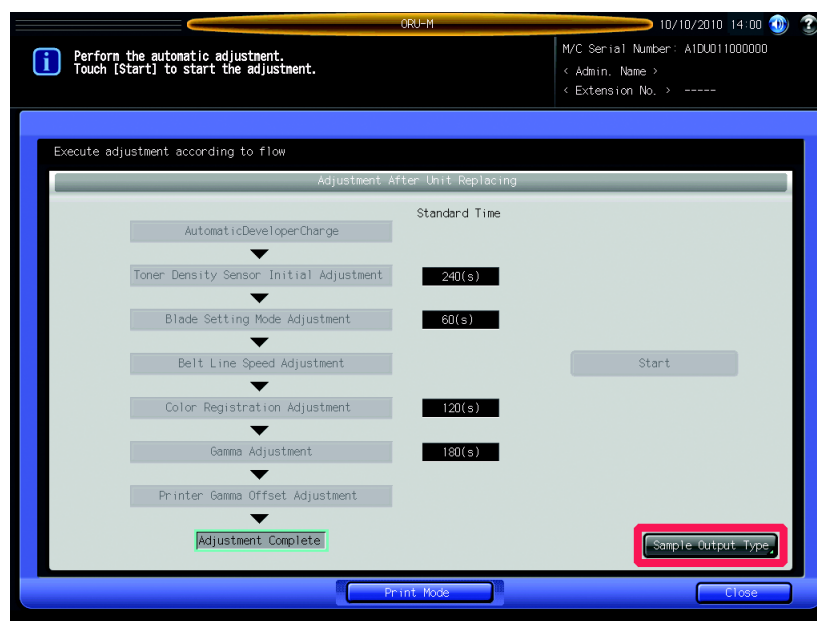


- 6 Press [Yes].

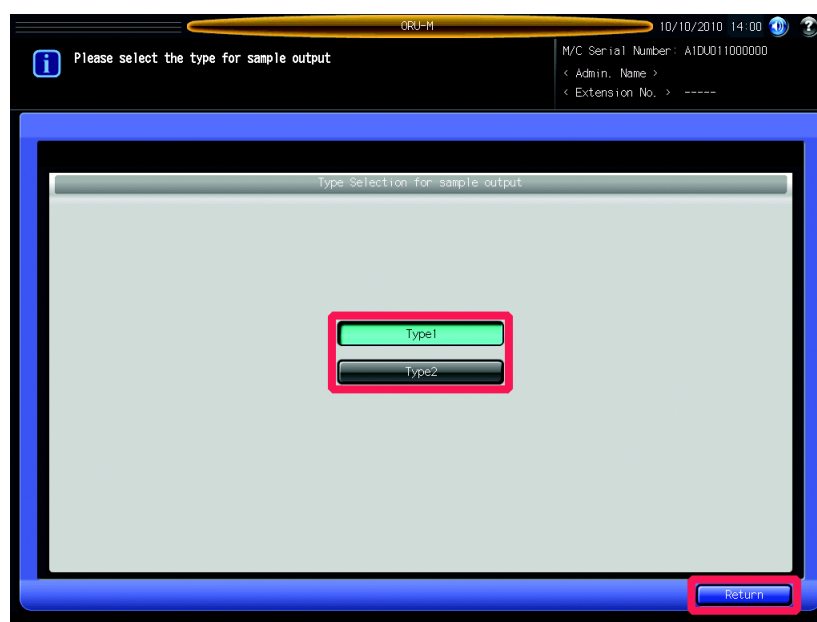


The Adjustment After Unit Replacing screen is displayed.

- 7 Press [Sample Output Type]. Output a sample after adjustment.
The Type Selection for sample output screen is displayed.



- 8 Select either [Type1] or [Type2].



Type1: Halftone output.

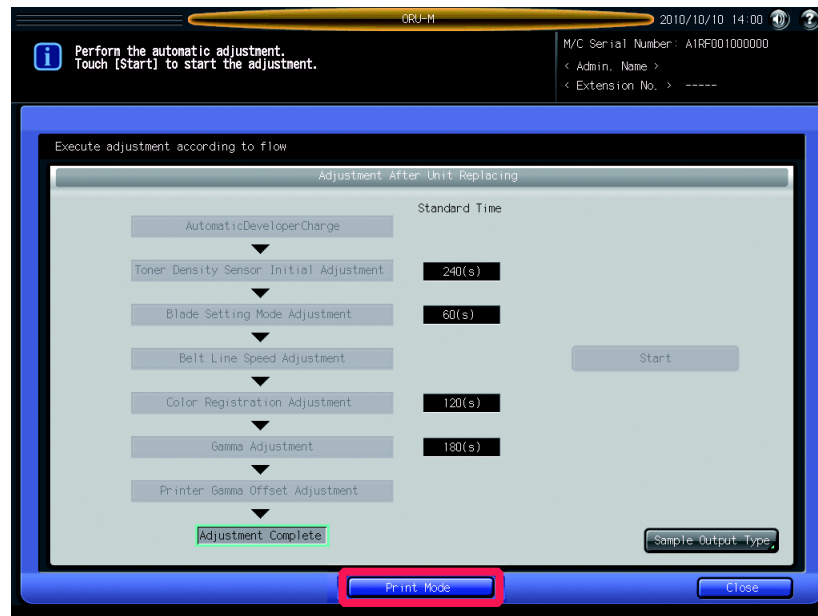
Type2: Color (CMK) output.

Important

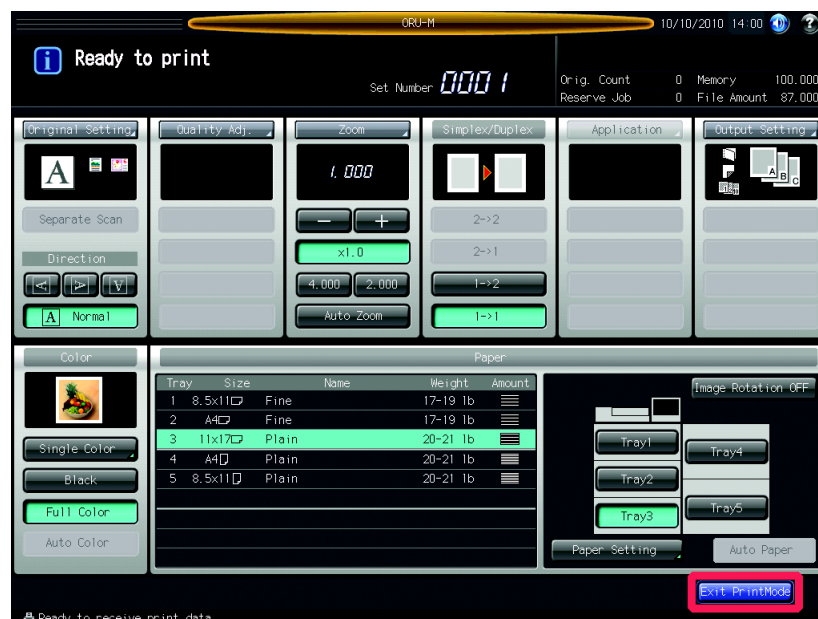
Make sure to print both Type1 and Type2 for sample output.

Press [Return]. The Adjustment After Unit Replacing screen will be restored.

- 9 Press [Print Mode]. The print mode screen is displayed.



- 10 Select a tray for A3 or 11 × 17 paper, and then press **Start** on the control panel.



- 11 Press [Exit PrintMode]. The Adjustment After Unit Replacing screen will be restored.
- 12 Repeat the step 7 to 11 to output samples of both [Type1] and [Type2].
- 13 Confirm the result of the adjustment by comparing the samples before and after the adjustment.
- 14 Press [Close] in the Adjustment After Unit Replacing screen. The Machine Status Screen will be restored.



KONICA MINOLTA

<http://konicaminolta.com>

bizhub PRESS

C7000/C7000P/C6000/C70hc

ORU-M (Operator Replaceable Unit Management) REPLACEMENT INSTRUCTIONS Fusing Unit





Contents

1	Introduction	
2	Preliminary Preparation to Replace ORU-M Units	
2.1	Preliminary Preparation to Replace ORU-M Units	2-2
3	Replacing ORU-M Units	
3.1	Fusing Unit	3-2
4	Adjustment after Replacing the ORU-M Units	
4.1	Adjustment after Replacing the ORU-M Componets.....	4-2



Introduction

1 Introduction

The Objectives of ORU-M (Operator Replaceable Unit Management)

ORU-M system enables users to replace the machine units by themselves. It also helps to minimize machine downtime.

Notice to users of ORU-M

Make sure you take trainings and obtain a certificate of approval before using the ORU-M.

When replacing the machine units, please follow the instructions written in the ORU-M (Operator Replaceable Unit Management) REPLACEMENT INSTRUCTIONS.

To perform replacement tasks safely and reliably, keep the ORU-M (Operator Replaceable Unit Management) REPLACEMENT INSTRUCTIONS and do not lose them. If you lose the instructions, contact your service representative.

Registered Trademarks

bizhub PRESS is a trademark of Konica Minolta Business Technologies, Inc.
Copyright © 2010 Konica Minolta Business Technologies, Inc.



Preliminary Preparation to Replace ORU-M Units

2 Preliminary Preparation to Replace ORU-M Units

When replacing the ORU-M units, switch to the ORU-M mode, and then replace the ORU-M units in accordance with the procedures on the screens.

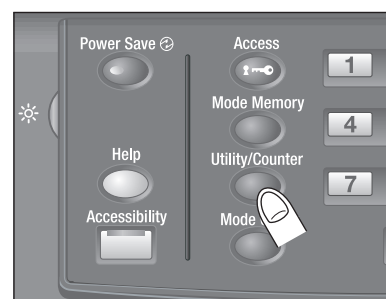
This guide explains the following topics in the order displayed on the screen. Refer to "2 Preliminary Preparation to Replace the ORU-M Units" for the preliminary preparation after you switch to the ORU-M mode and before replacing the units, "3 Replacing ORU-M Units" for the procedures to replace each unit, and "4 Adjustment after Replacing the ORU-M Units" for adjustment procedures after replacing the units.

Print out this guide and keep it at hand for your reference before you start replacement work.

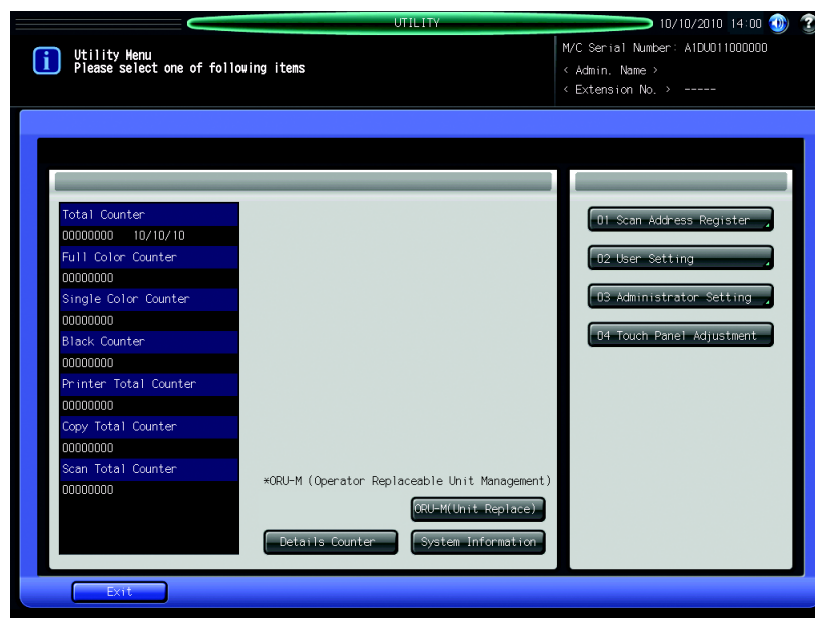
2.1 Preliminary Preparation to Replace ORU-M Units

Before replacing the ORU-M units, follow the procedure below to switch to the ORU-M mode.

- 1 Press [Utility/Counter].
The Utility screen is displayed.



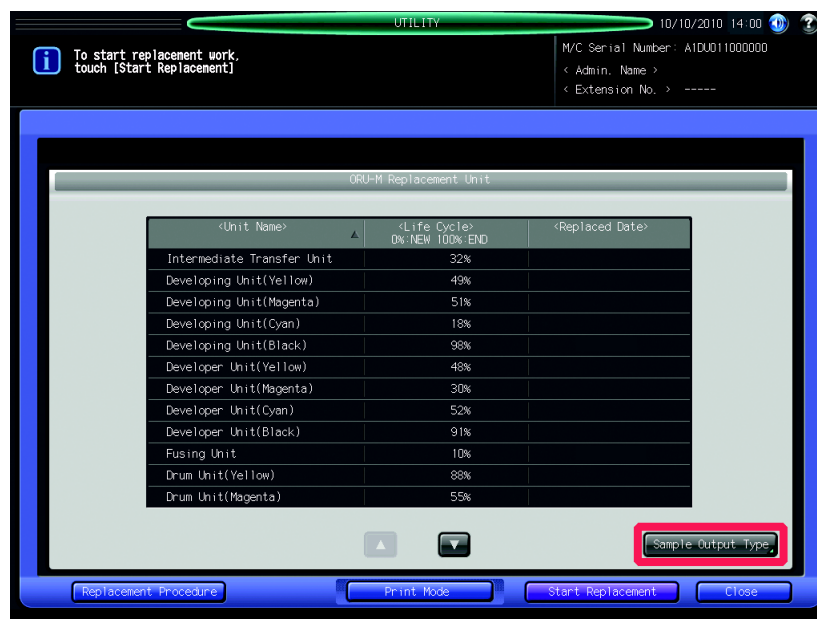
- 2 Press [ORU-M (Unit Replace)].



The ORU-M Replacement Unit screen is displayed. Unit names, life cycles, and replaced dates for the ORU-M units are listed on this screen.

3 Output a sample of the current machine.

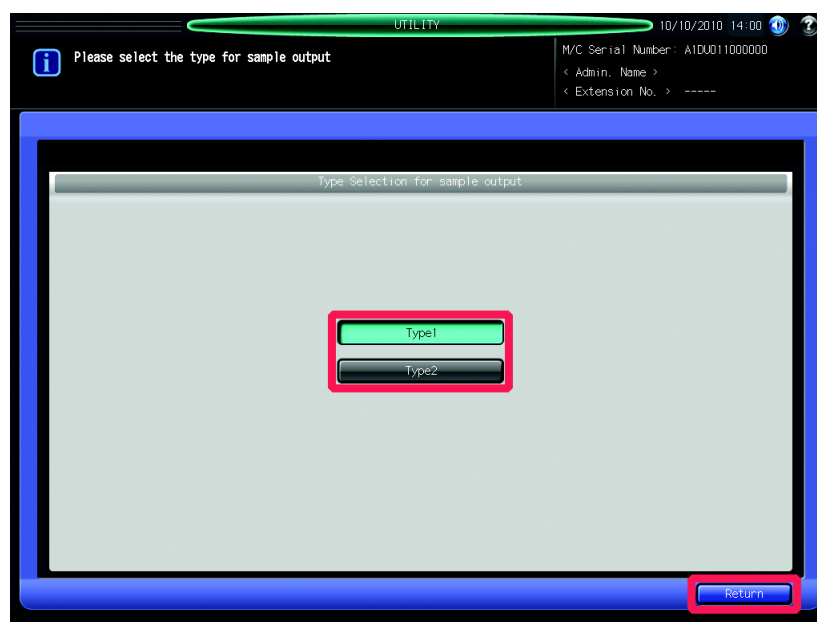
Press [Sample Output Type]. The Type Selection for sample output screen is displayed.



4 Select either [Type1] or [Type2].

Type1: Halftone output.

Type2: Color (CMK) output.



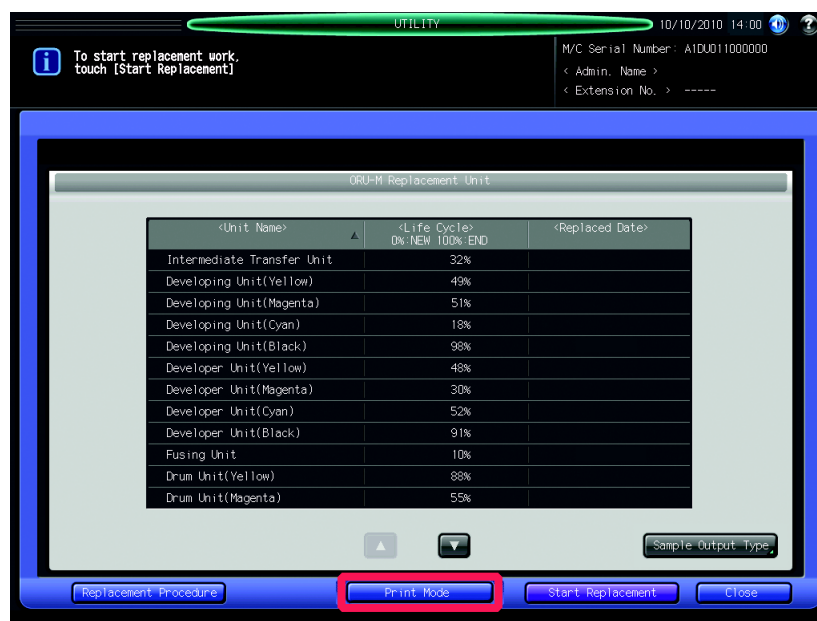
Important

Make sure to print both Type1 and Type2 for sample output.

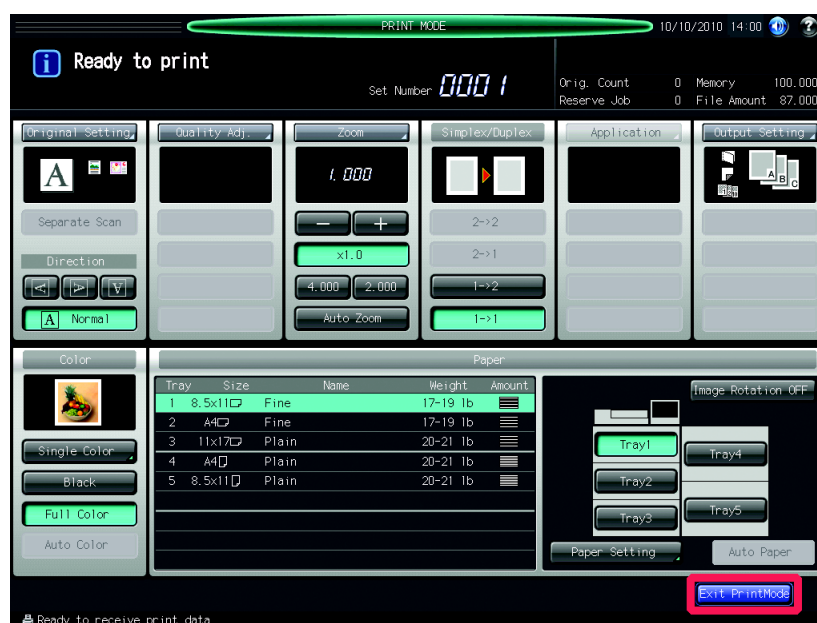
Press [Return]. It will return to the ORU-M Replacement Unit screen.

5 Press [Print Mode].

The PRINT MODE screen is displayed.



6 Select a tray for A3 or 11 × 17 paper, then press **Start** on the control panel.



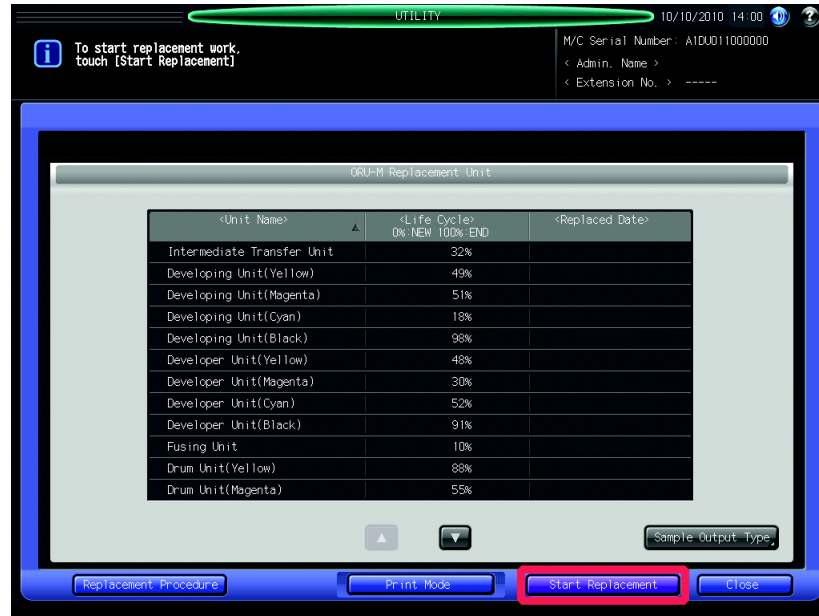
Important

You can not output the entire sample if you specify a paper size other than A3 or 11 × 17.

7 Press [Exit PrintMode]. It will return to the ORU-M Replacement Unit screen.

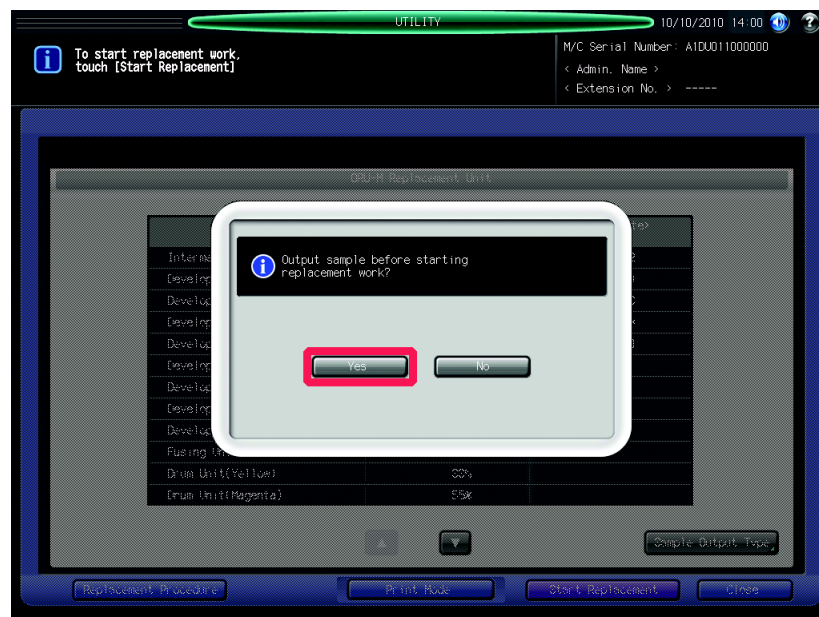
8 Repeat steps 3 to 7 to output both samples of [Type1] and [Type2].

9 Press [Start Replacement].



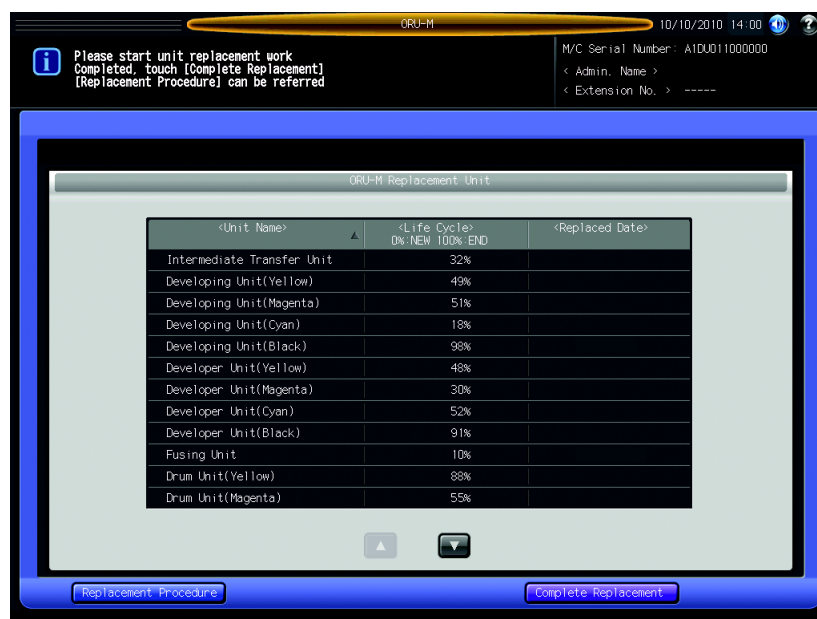
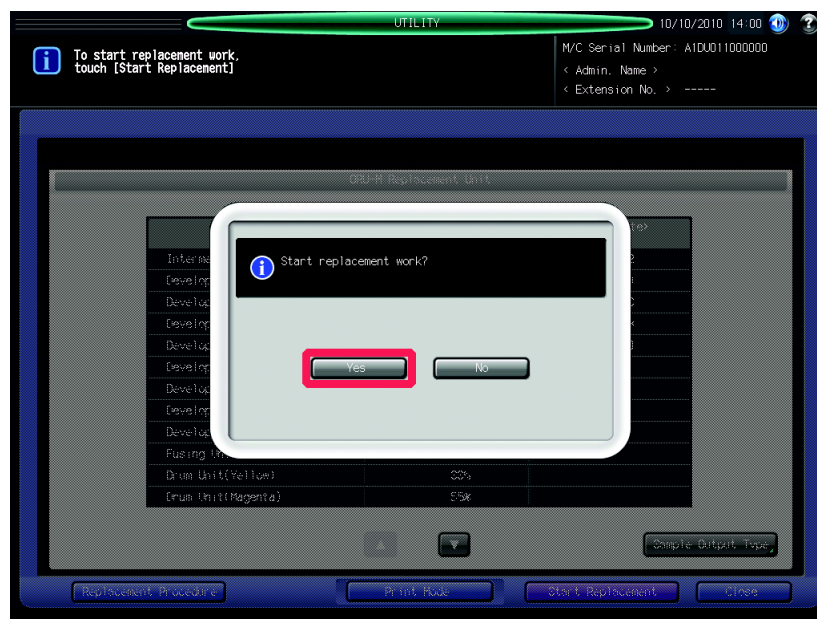
10 Press [Yes].

The machine automatically turns off.



11 If you want to start replacement works, press [Yes].

It automatically switches to ORU-M replacement mode, returns to the ORU-M Replacement Unit screen.

**12** Please refer to the "3 Replacing ORU-M Units" to replace the units.**Important**

You can check the procedures of unit replacement on the screen when replacing the units.



Replacing ORU-M Units

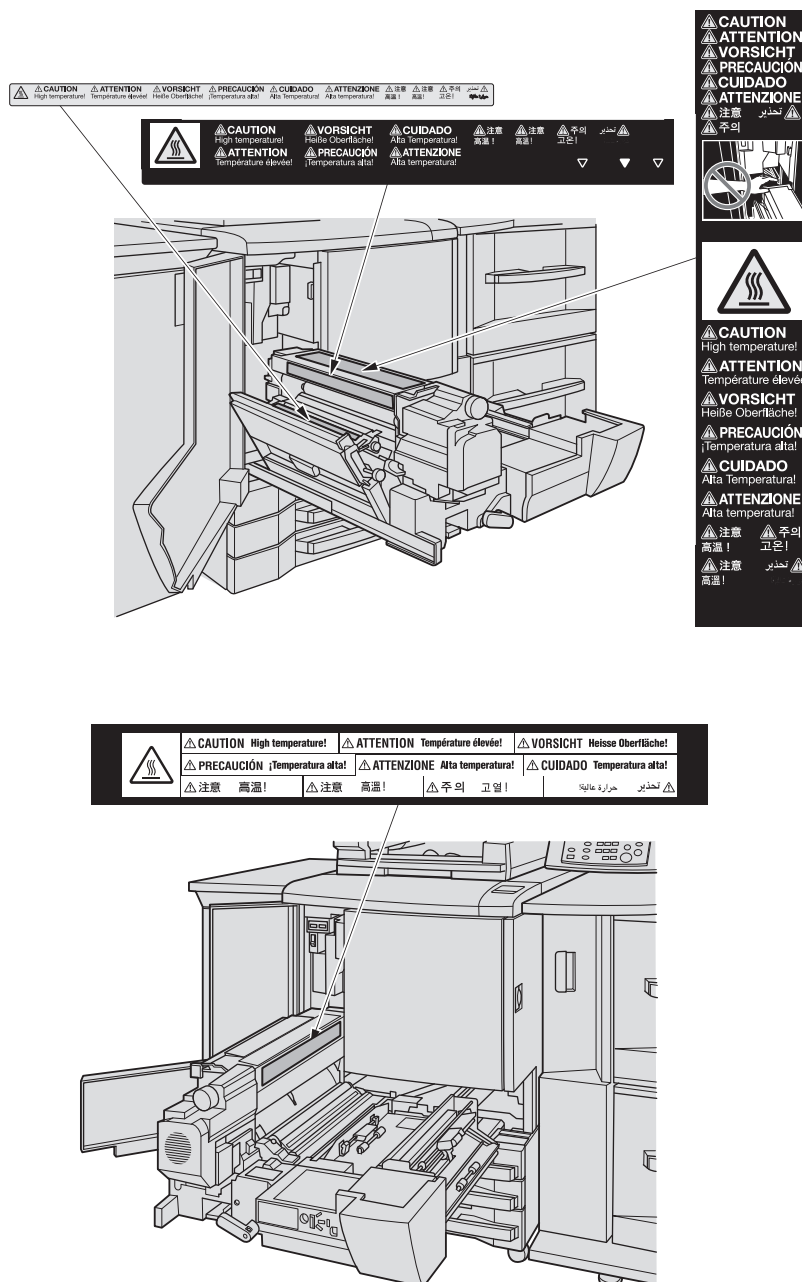
3 Replacing ORU-M Units

3.1 Fusing Unit

⚠ CAUTION High Temperature

Please be careful not to touch any parts of the fusing unit except the handles!

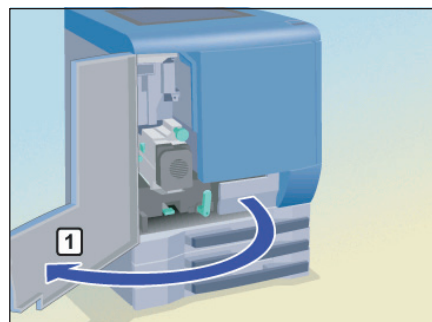
- It could cause a burn. Please pay special attention when replacing the fusing units.



Important

You can check the procedures of the unit replacement on the screen when replacing the units.

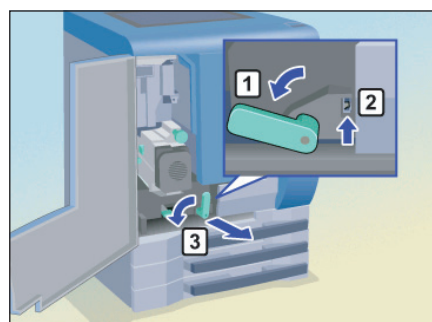
- 1 Open the front door [1] of the main body.



- 2 Push the ADU releasing lever M1 [1] counter-clockwise while pushing the lock part [2] of the ADU releasing lever M1 [1] upward, and then pull out the ADU drawer [3].

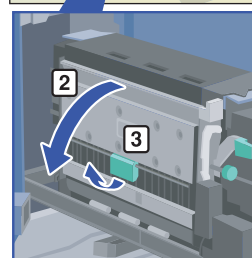
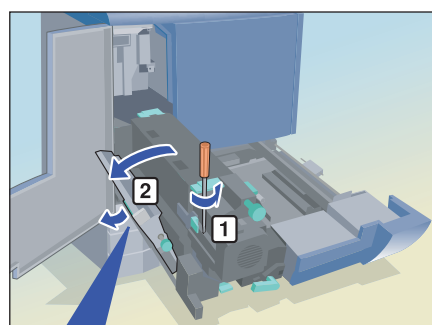
Important

Pull out the ADU drawer after returning the process unit to the main body. If you cannot pull out the ADU drawer, make sure that the ADU releasing lever M1 and the lock part are not deformed. If necessary, please replace these parts.

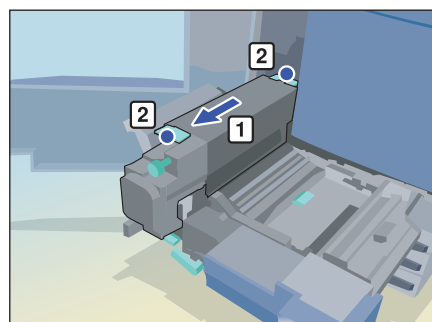


- 3 Loosen the screw [1] (1 piece).

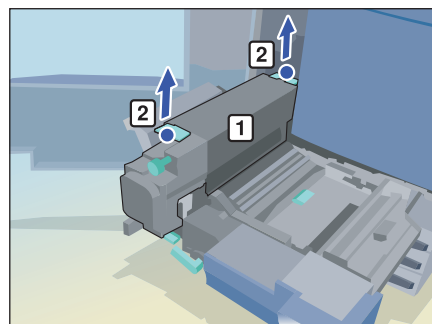
Move the lever M5 [3] of the paper exit guide [2] upwards, and then open the paper exit guide [2] to the left.



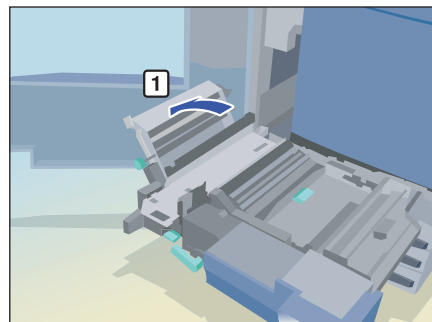
- 4 Hold the handles [2] on the front and rear side of the fusing unit [1] with both hands, and then slide the fusing unit [1] until it stops at the front.



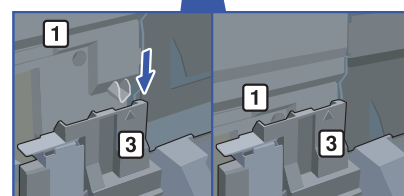
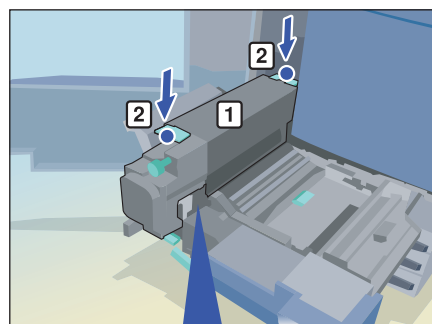
- 5 Hold the handles [2] on the front and rear side of the fusing unit [1] with both hands and remove the fusing unit [1].
Put the removed fusing unit into the special box.



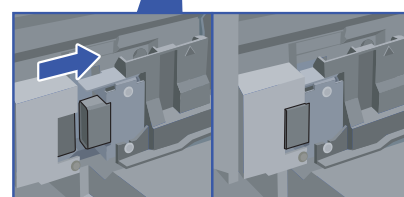
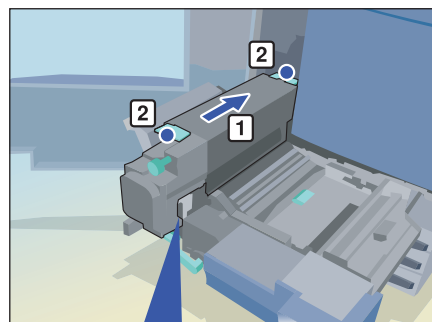
- 6 Take the new fusing unit from the box.
Important
Before you set the fusing unit to the main body, please confirm that the paper exit guide [1] is opened. If you set the fusing unit when the guide is closed, it may result in damage to the main body.



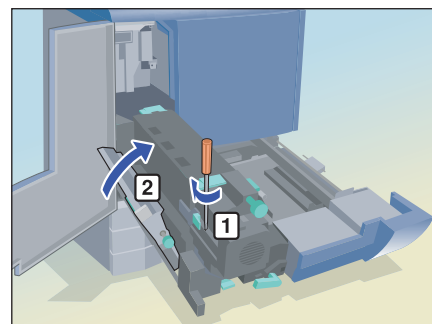
- 7 Hold the handles [2] on the front and rear side of the new fusing unit [1] and place the fusing unit [1] aligning the ▲ mark [3] to the mounting position.



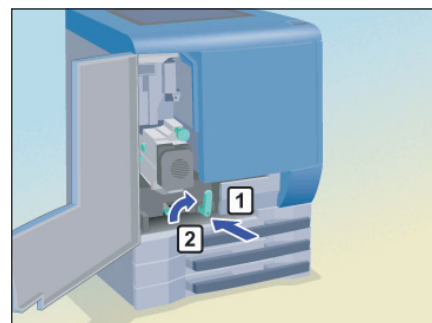
- 8 Slide the fusing unit [1] backward until it stops.



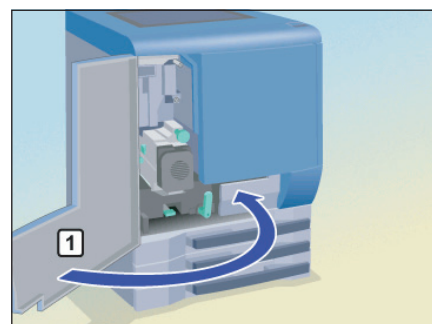
- 9** Fix the fusing unit with the screw [1] (1 piece), and then close the paper exit guide [2].



- 10** Return the ADU drawer [1] to the original position and turn the ADU releasing lever M1 [2] clockwise to lock it.



- 11** Close the front door [1] of the main body.



4

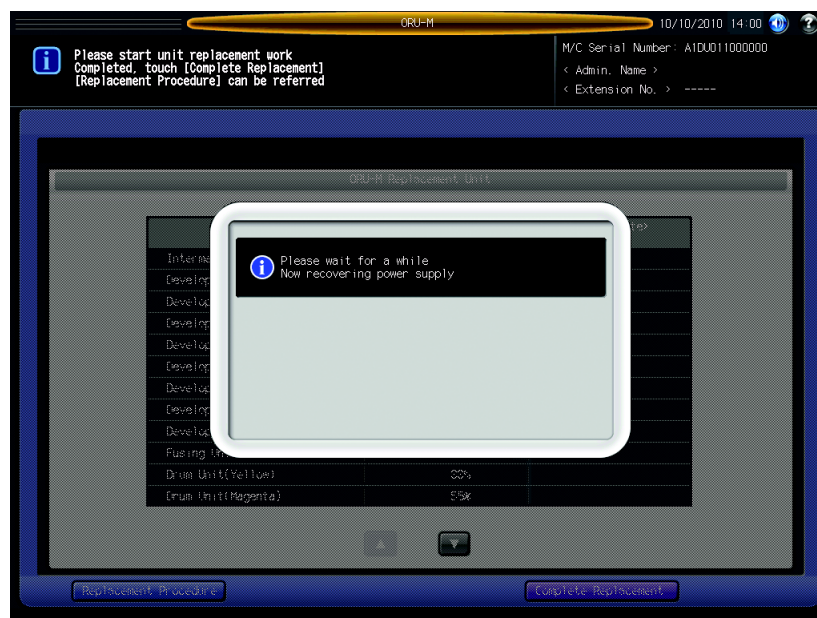
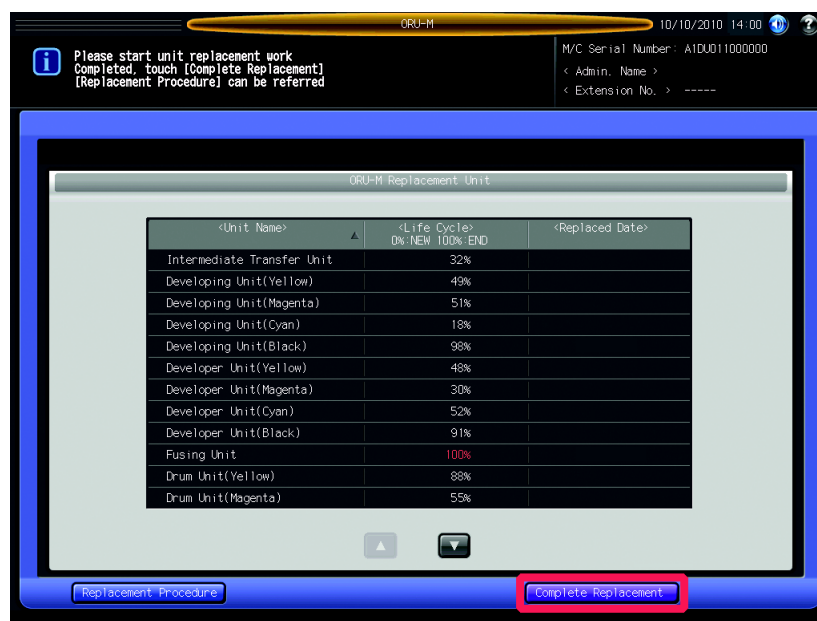
Adjustment after Replacing the ORU-M Units

4 Adjustment after Replacing the ORU-M Units

After replacing the ORU-M units, make adjustments on them.

4.1 Adjustment after Replacing the ORU-M Componets

- 1 After replacing the ORU-M units, press [Complete Replacement] on the ORU-M Replacement Unit screen.



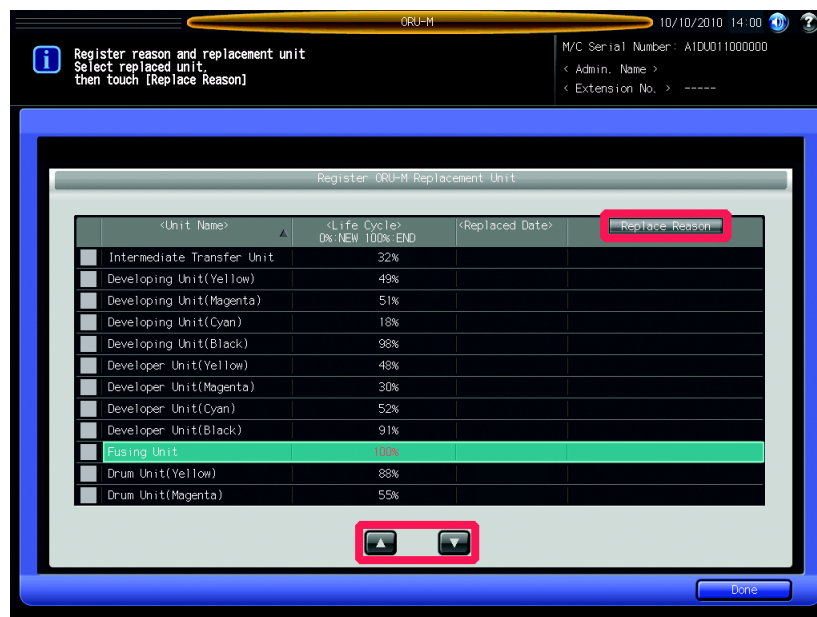
The machine automatically turns on and the Register ORU-M Replacement Unit screen is displayed.

Important

Please make sure that you fix the toner hopper unit with the screws and close the front door. Otherwise, the machine will not automatically turn off.

2 Select the row of the unit that you replaced.

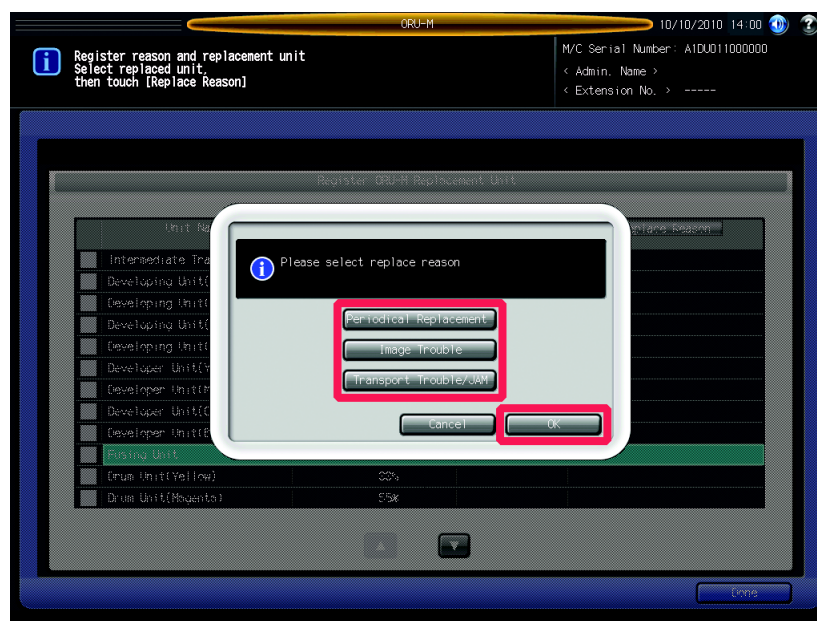
- If the unit that you replaced is not displayed on the screen, press [▲] [▼] to display it.
- If you replaced multiple units, you can configure several units at once by selecting units with the same replacement reason and setting the reason to the units.



3 Press [Replace Reason] to display a dialog box asking a replacement reason. Select a reason, then press [OK].

Important

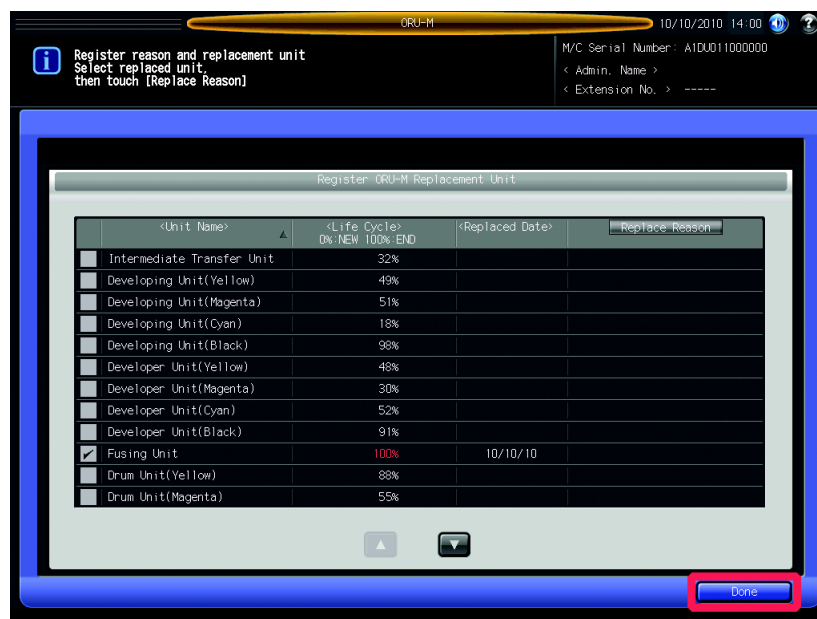
Please make sure to set a replacement reason for the replaced units. Otherwise, it does not reset a counter for the Life Cycle of the units and you can not properly adjust the units in next steps.



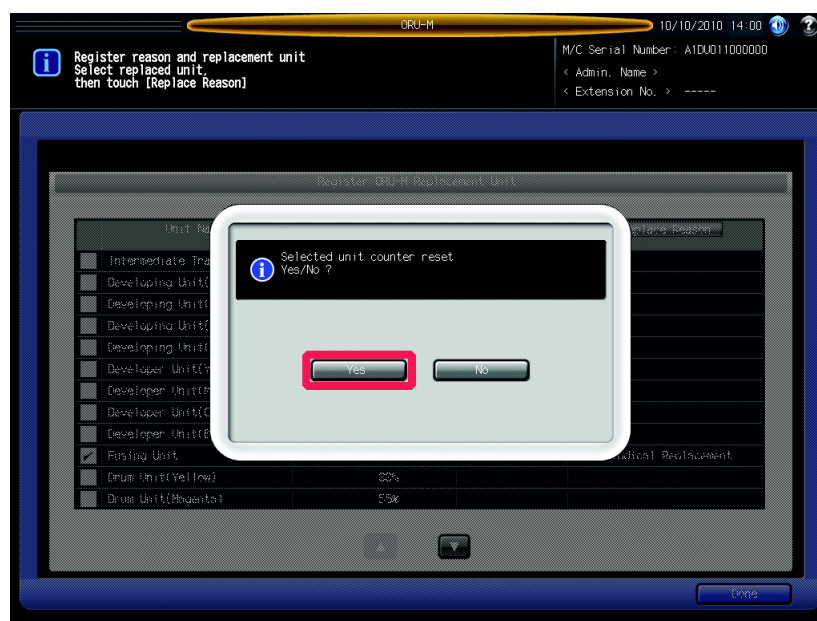
After you set a replacement reason for the replaced units, a check will appear in the checkbox left of the unit name.

- 4 Repeat step 2 to 4 until you set reasons for all units that you replaced.
- 5 Press [Done].

A dialog box is displayed, with a checkbox to choose whether to reset the counters of the units.

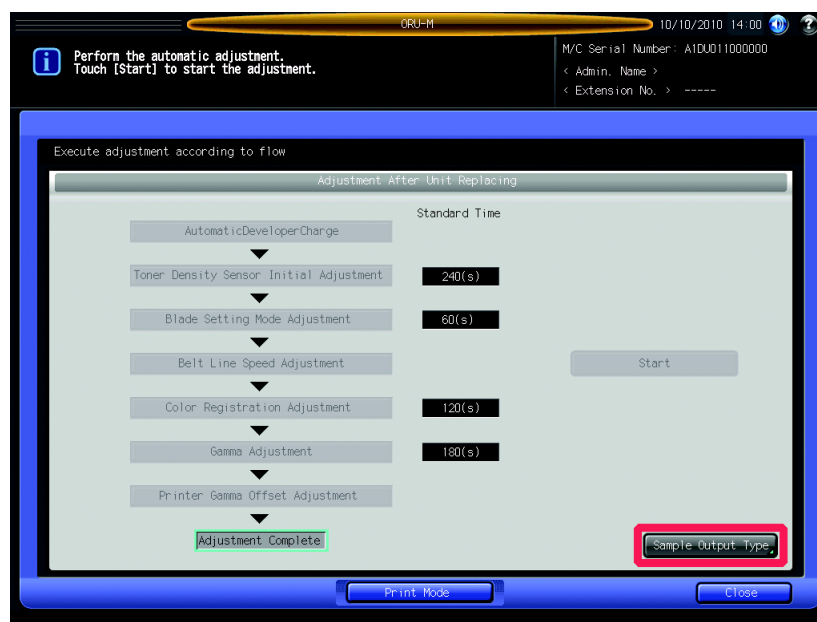


- 6 Press [Yes].

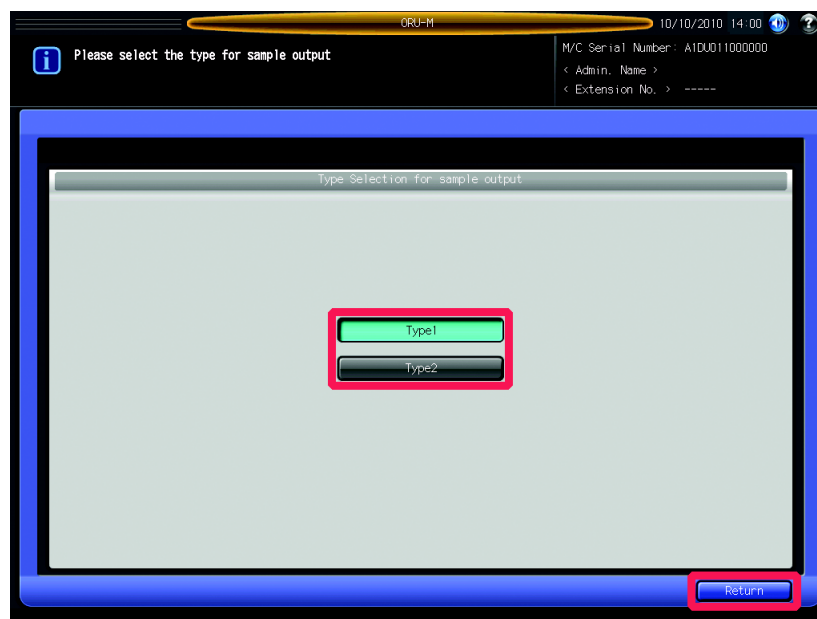


The Adjustment After Unit Replacing screen is displayed.

- 7 Press [Sample Output Type]. Output a sample after adjustment.
The Type Selection for sample output screen is displayed.



- 8 Select either [Type1] or [Type2].



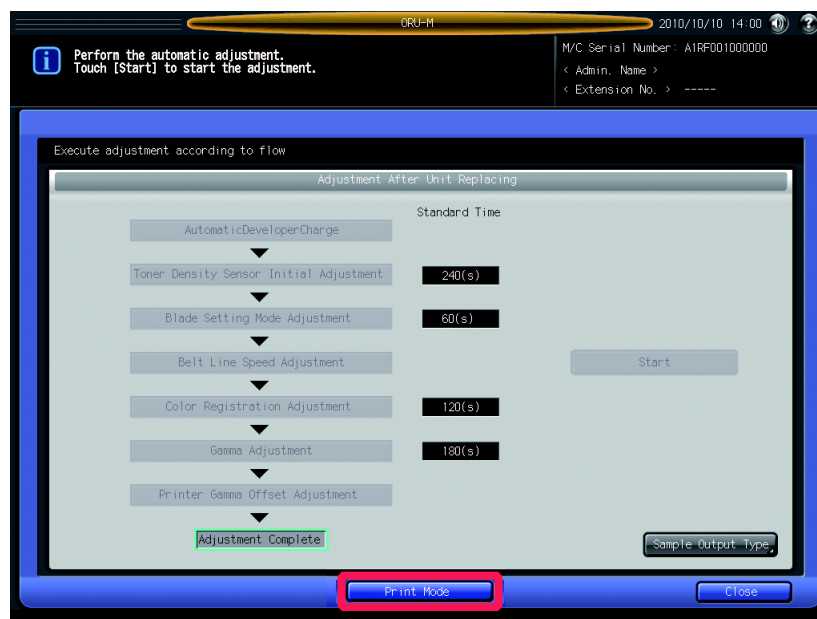
Type1: Halftone output.
Type2: Color (CMK) output.

Important

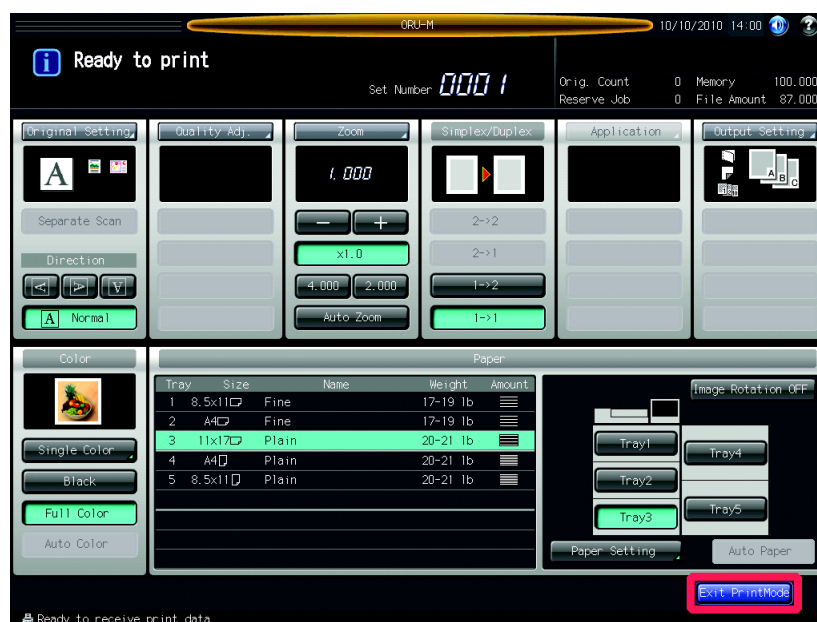
Make sure to print both Type1 and Type2 for sample output.

Press [Return]. The Adjustment After Unit Replacing screen will be restored.

- 9 Press [Print Mode]. The print mode screen is displayed.



- 10 Select a tray for A3 or 11 × 17 paper, and then press **Start** on the control panel.



- 11 Press [Exit PrintMode]. The Adjustment After Unit Replacing screen will be restored.
- 12 Repeat the step 7 to 11 to output samples of both [Type1] and [Type2].
- 13 Confirm the result of the adjustment by comparing the samples before and after the adjustment.
- 14 Press [Close] in the Adjustment After Unit Replacing screen. The Machine Status Screen will be restored.



KONICA MINOLTA

<http://konicaminolta.com>

bizhub PRESS

C7000/C7000P/C6000/C70hc

ORU-M (Operator Replaceable Unit Management) REPLACEMENT INSTRUCTIONS Intermediate Transfer Unit





Contents

- 1 Introduction

- 2 Preliminary Preparation to Replace ORU-M Units
 - 2.1 Preliminary Preparation to Replace ORU-M Units 2-2

- 3 Replacing ORU-M Units
 - 3.1 Intermediate Transfer Unit..... 3-2

- 4 Adjustment after Replacing the ORU-M Units
 - 4.1 Adjustment after Replacing the ORU-M Componets..... 4-2



Introduction

1 Introduction

The Objectives of ORU-M (Operator Replaceable Unit Management)

ORU-M system enables users to replace the machine units by themselves. It also helps to minimize machine downtime.

Notice to users of ORU-M

Make sure you take trainings and obtain a certificate of approval before using the ORU-M.

When replacing the machine units, please follow the instructions written in the ORU-M (Operator Replaceable Unit Management) REPLACEMENT INSTRUCTIONS.

To perform replacement tasks safely and reliably, keep the ORU-M (Operator Replaceable Unit Management) REPLACEMENT INSTRUCTIONS and do not lose them. If you lose the instructions, contact your service representative.

Registered Trademarks

bizhub PRESS is a trademark of Konica Minolta Business Technologies, Inc.
Copyright © 2010 Konica Minolta Business Technologies, Inc.



Preliminary Preparation to Replace ORU-M Units

2 Preliminary Preparation to Replace ORU-M Units

When replacing the ORU-M units, switch to the ORU-M mode, and then replace the ORU-M units in accordance with the procedures on the screens.

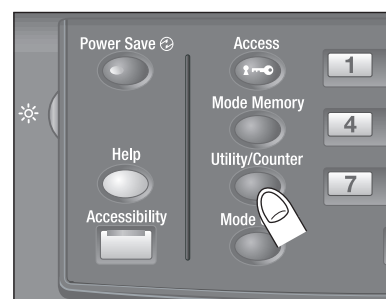
This guide explains the following topics in the order displayed on the screen. Refer to "2 Preliminary Preparation to Replace the ORU-M Units" for the preliminary preparation after you switch to the ORU-M mode and before replacing the units, "3 Replacing ORU-M Units" for the procedures to replace each unit, and "4 Adjustment after Replacing the ORU-M Units" for adjustment procedures after replacing the units.

Print out this guide and keep it at hand for your reference before you start replacement work.

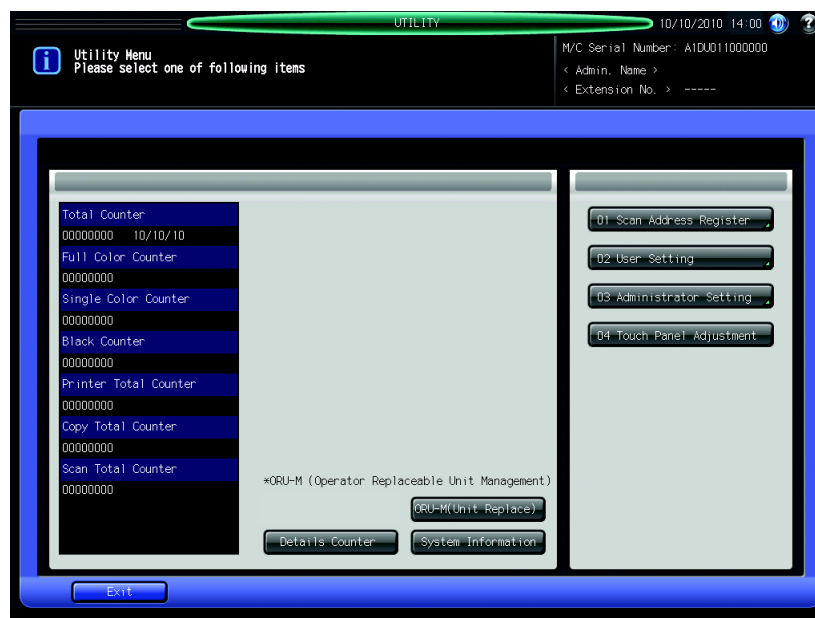
2.1 Preliminary Preparation to Replace ORU-M Units

Before replacing the ORU-M units, follow the procedure below to switch to the ORU-M mode.

- 1 Press [Utility/Counter].
The Utility screen is displayed.



- 2 Press [ORU-M (Unit Replace)].



The ORU-M Replacement Unit screen is displayed. Unit names, life cycles, and replaced dates for the ORU-M units are listed on this screen.

3 Output a sample of the current machine.

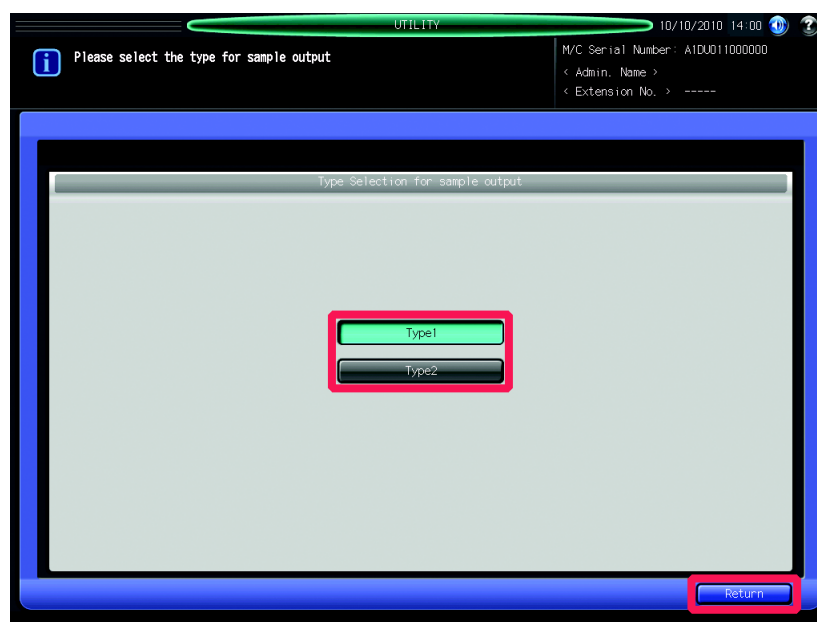
Press [Sample Output Type]. The Type Selection for sample output screen is displayed.



4 Select either [Type1] or [Type2].

Type1: Halftone output.

Type2: Color (CMK) output.



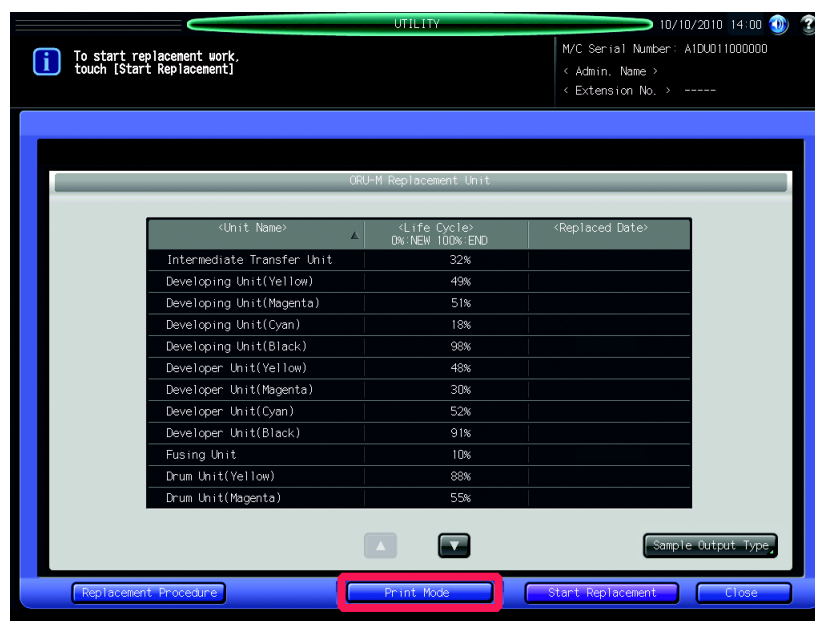
Important

Make sure to print both Type1 and Type2 for sample output.

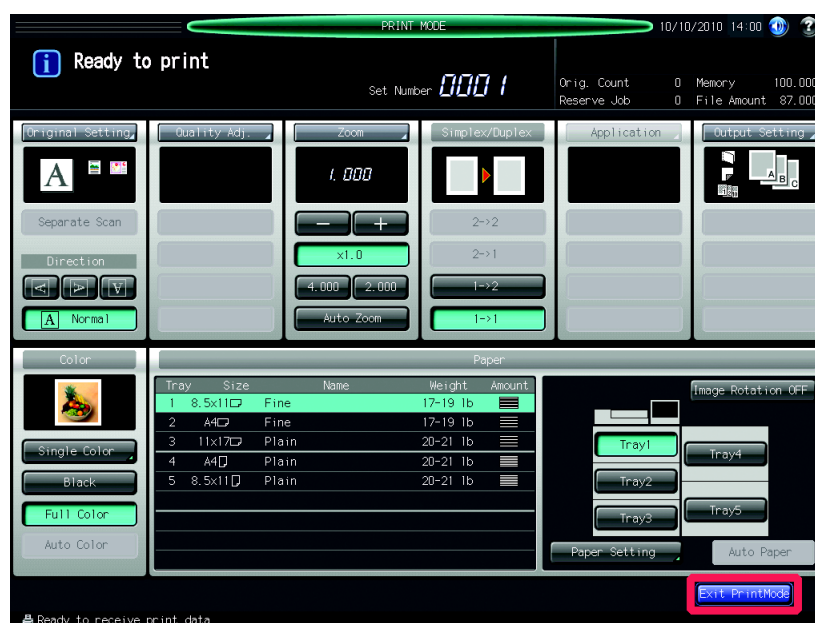
Press [Return]. It will return to the ORU-M Replacement Unit screen.

5 Press [Print Mode].

The PRINT MODE screen is displayed.



6 Select a tray for A3 or 11 × 17 paper, then press **Start** on the control panel.



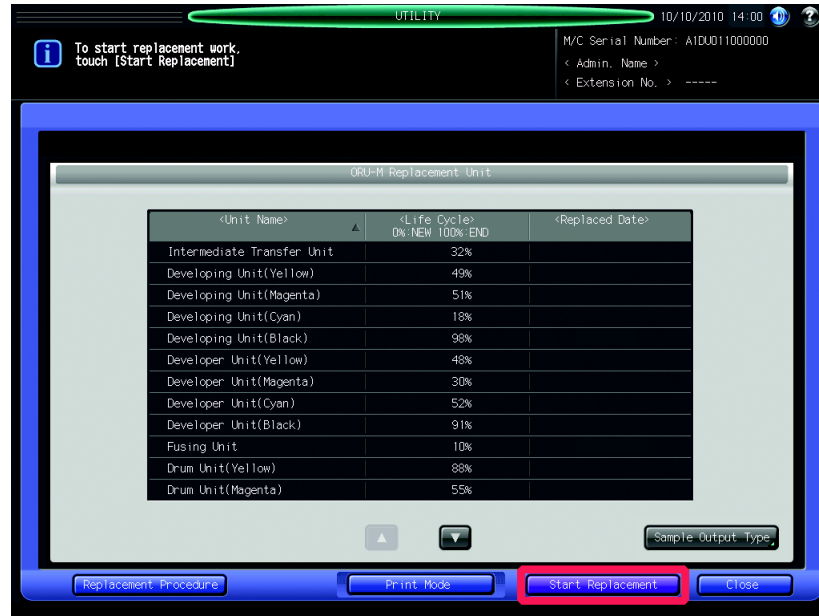
Important

You can not output the entire sample if you specify a paper size other than A3 or 11 × 17.

7 Press [Exit PrintMode]. It will return to the ORU-M Replacement Unit screen.

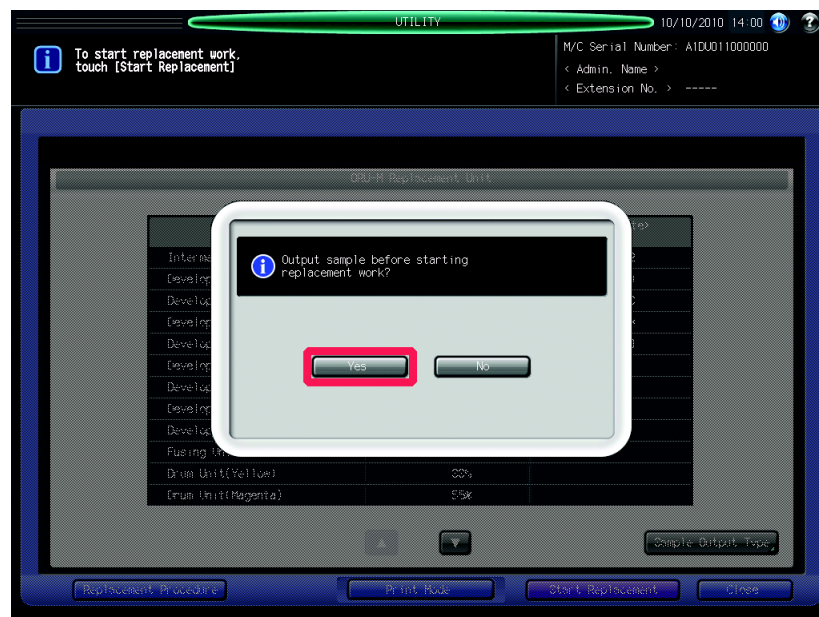
8 Repeat steps 3 to 7 to output both samples of [Type1] and [Type2].

9 Press [Start Replacement].



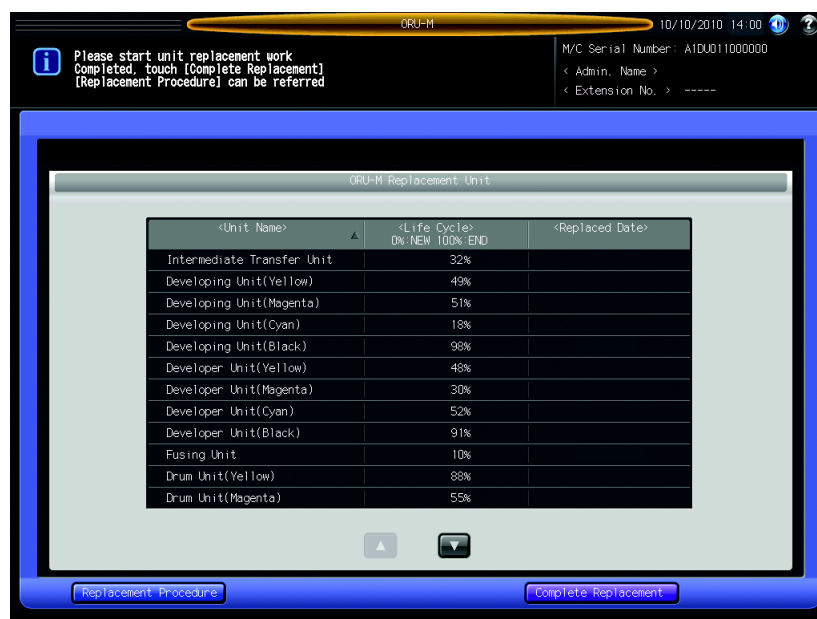
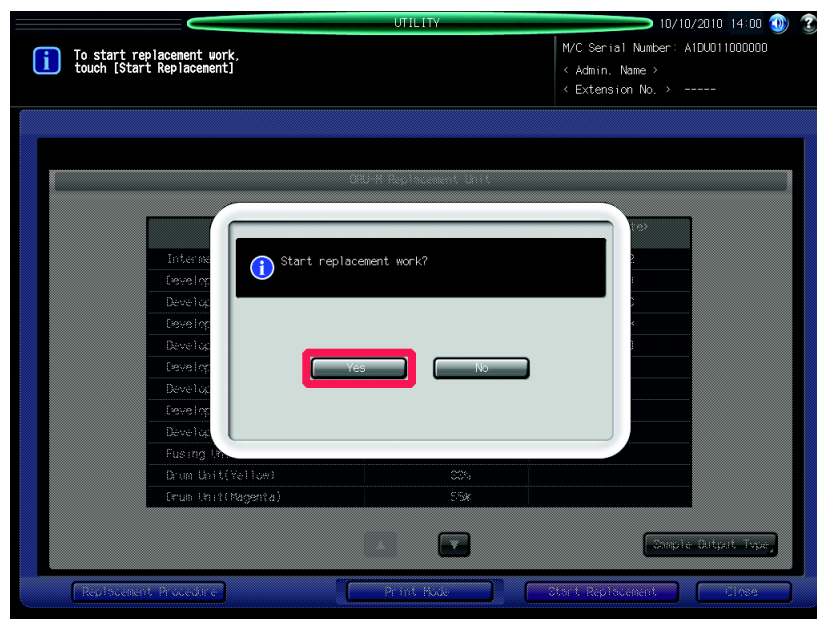
10 Press [Yes].

The machine automatically turns off.



11 If you want to start replacement works, press [Yes].

It automatically switches to ORU-M replacement mode, returns to the ORU-M Replacement Unit screen.

**12** Please refer to the "3 Replacing ORU-M Units" to replace the units.**Important**

You can check the procedures of unit replacement on the screen when replacing the units.



Replacing ORU-M Units

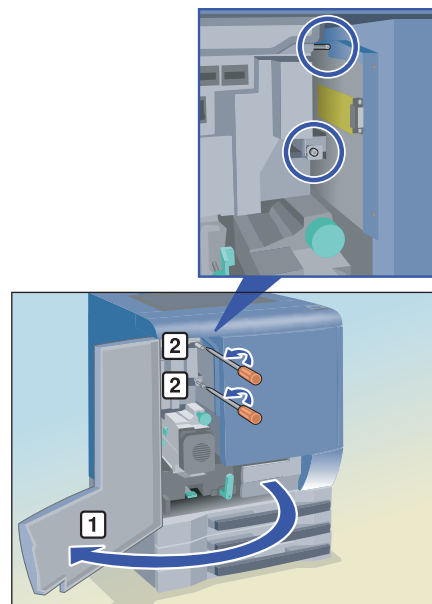
3 Replacing ORU-M Units

3.1 Intermediate Transfer Unit

Important

You can check the procedures of the unit replacement on the screen when replacing the units.

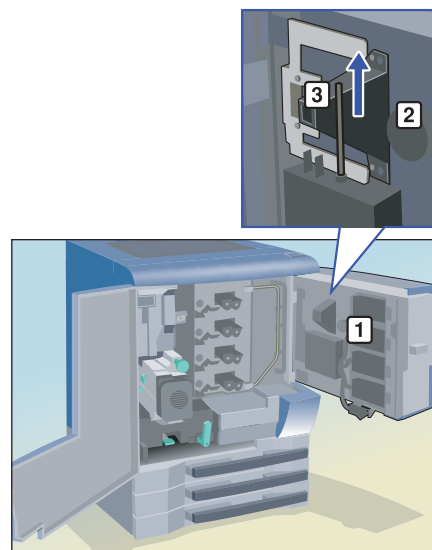
- 1 Open the front door [1] of the main body.
Loosen the screws [2] (2 pieces).



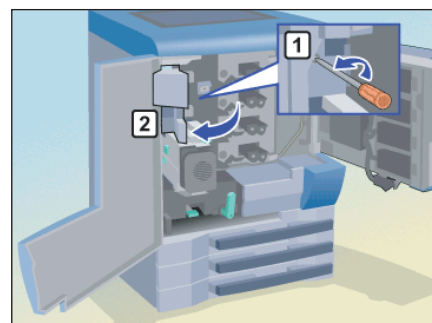
- 2 Open the toner hopper unit door [1].



- 3 Remove the support stick [3] from the charging suction assy [2] installed inside of the toner hopper unit door [1].



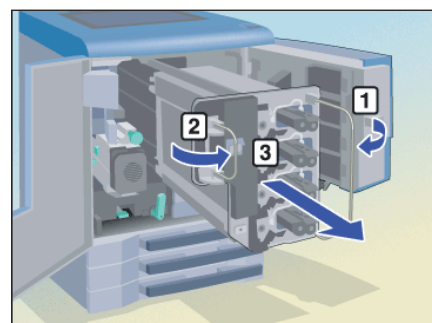
- 4 Loosen the screw [1] (1 piece) and open the front fan cover [2].



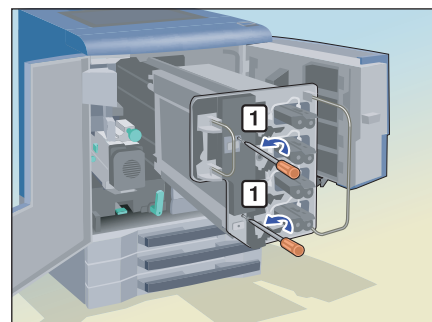
- 5 Pull up the right lever [1] and left lever [2] frontward, and then pull out the process unit [3].

Important

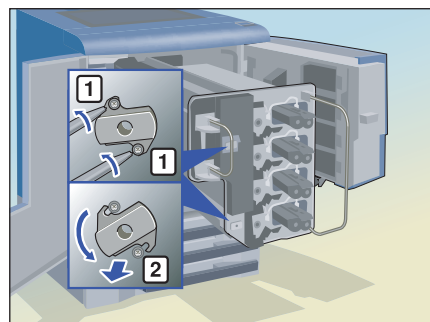
Hold the center of the lever when operating it.



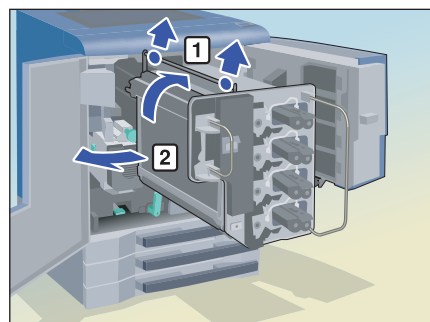
- 6 Remove the screws [1] (1 piece for each) in front of the process unit.



- 7 Loosen the screws on the positioning axis [1] (2 pieces for each), and then turn the positioning axis [2] counterclockwise to remove it.

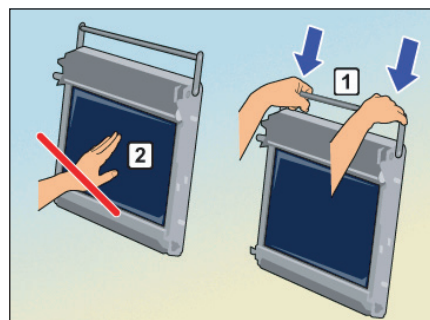


- 8 Raise the handle [1] of the transfer belt unit [2], and then remove the unit.



Important

Please use both hands to hold both ends of the handle [1] of the transfer belt unit.
Please be careful not to touch the transfer belt [2] with bare hands or not to damage it.



- 9 Put the removed transfer belt unit into a special box.

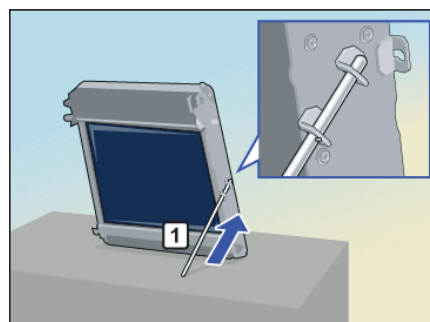
Important

Please place the unit in to box so that the cleaner and the separation claws are set to the bottom. If you do not follow this instruction, the used toner may spill out.

- 10 Take the new transfer belt unit from the box.
Set the support stick [1] to the transfer belt unit and place it upright on the flat surface with the stick.

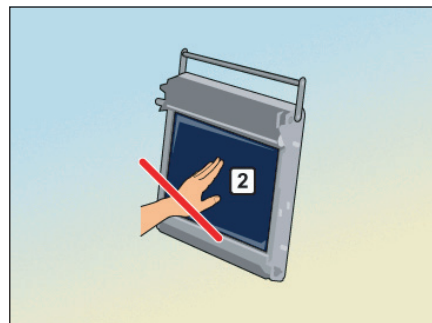
Important

Please do not lay down and place the transfer belt unit directly on the flat surface without using the support stick [1].
Please be careful so that the support stick does not drop from the transfer unit.

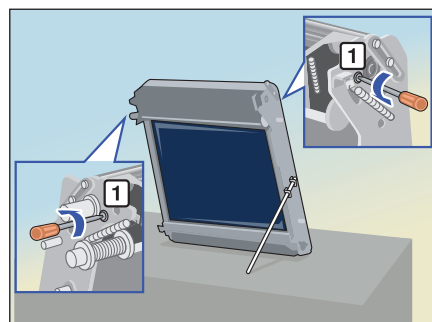


Important

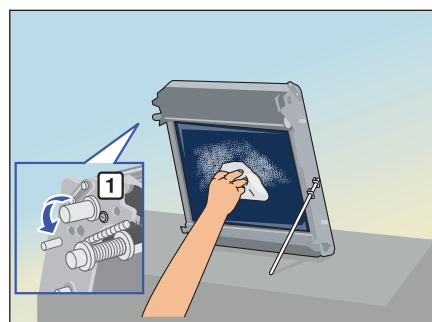
Please be careful not to touch the transfer belt [2] with bare hands or not to damage it.



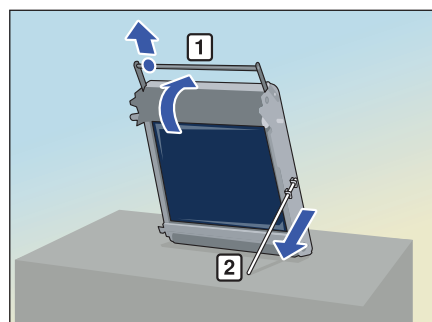
- 11** Remove the red lock screws [1] (2 pieces) located on the right and left side of the transfer belt unit and set up the tension of the transfer belt.



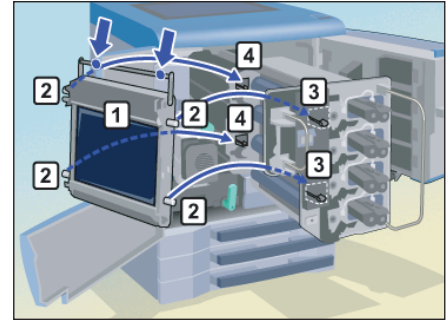
- 12** Apply setting powder on the transfer belt, and then turn the coupling [1] toward the direction of the arrow and brush away the setting powder.



- 13** While holding the handle [1] of the transfer belt with one hand, remove the support stick [2].

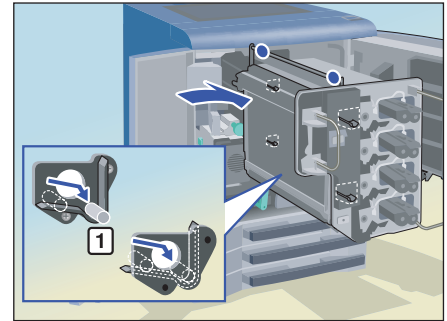


- 14** Attach the transfer belt unit to the process unit. Lift the transfer belt unit [1] with both hands. Fit the guide pins [2] located on the front and rear sides (2 peaces each) to the two support blocks [3] and two rear support blocks [4] to attach the transfer belt unit to the process unit.



Important

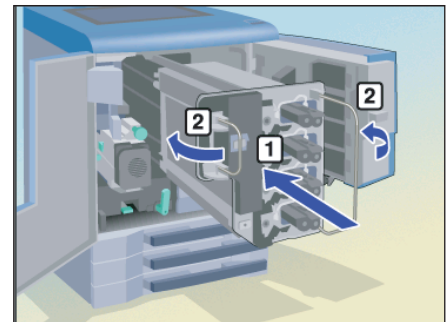
Please be careful not to touch the transfer belt unit to the drum.
Please confirm that the guide pins [1] are properly fit into the groove of the support block.



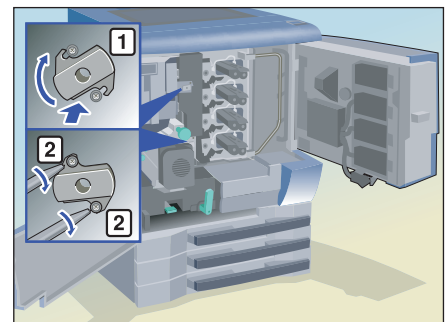
- 15** Press the process unit [1] back by holding the left [2] and right [2] levers. When you return the left and right lever to the original positions, the process unit is locked.

Important

Hold the center of the lever when operating it.



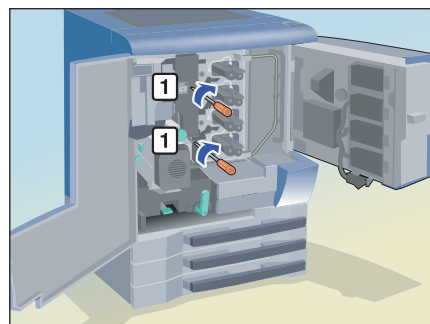
- 16** Insert the positioning axis for the belt [1], and turn it clockwise until it reaches the screws [2] (2 pieces). Tighten the screws [2] (4 pieces) to fix the positioning axis for the belt [1].



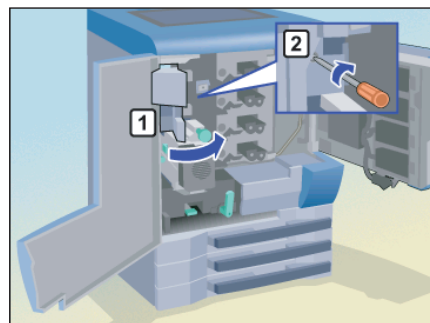
- 17** Tighten the screws [1] (2 pieces) in front of the process unit.

Important

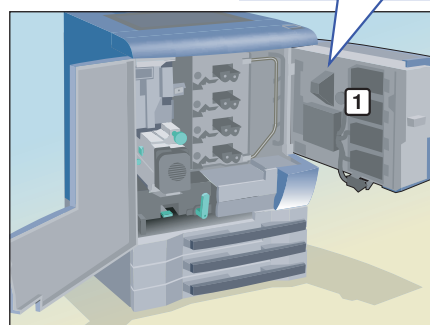
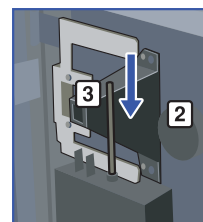
The screws [1] cannot be tightened before first pressing the process unit back into its original position.



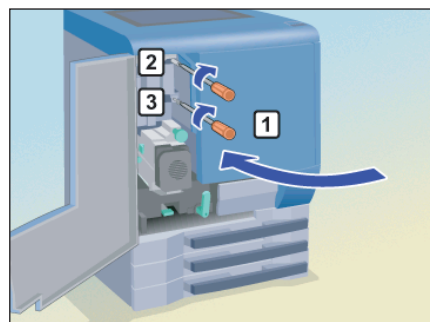
- 18** Close the front fan cover [1] and fix it with the screw [2] (1 piece).



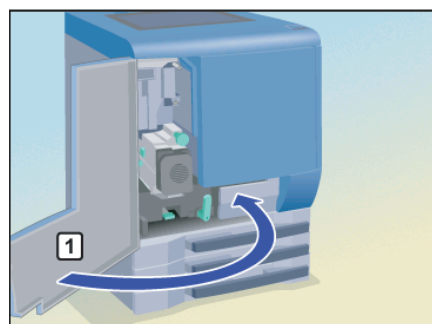
- 19** Set the support stick [3] in the charging suction assy [2] installed inside of the toner hopper unit [1].



- 20** Close the toner hopper unit door [1] and fix it with the screws [2] and [3] (1 piece for each).



21 Close the front door [1] of the main body.



4

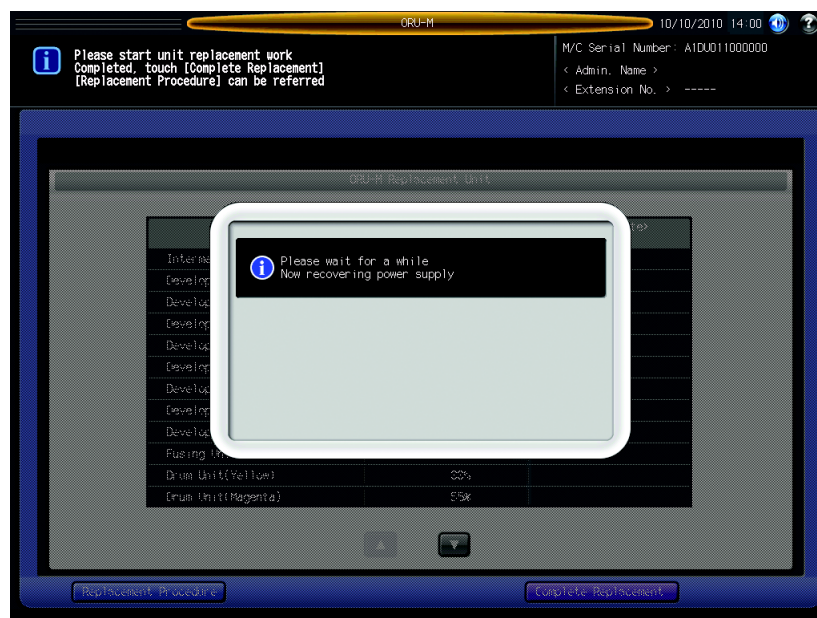
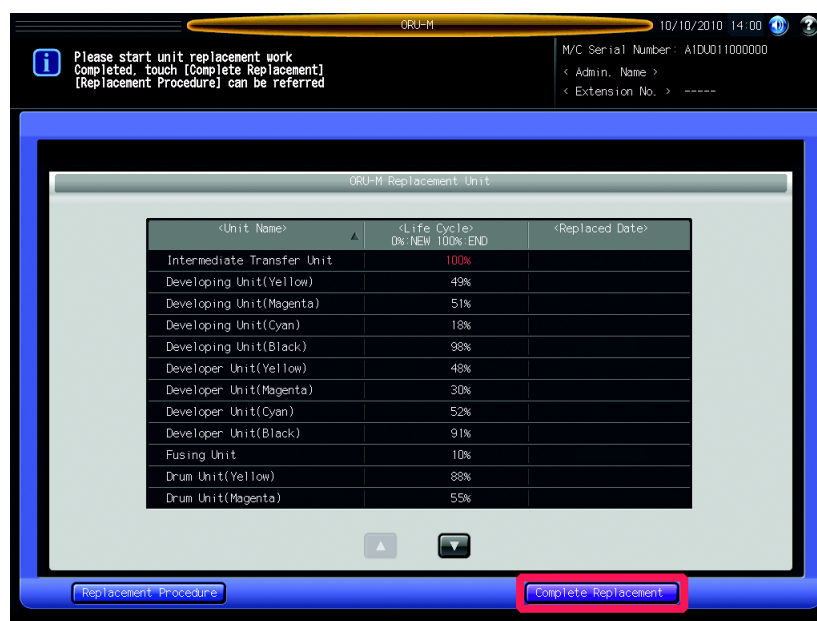
Adjustment after Replacing the ORU-M Units

4 Adjustment after Replacing the ORU-M Units

After replacing the ORU-M units, make adjustments on them.

4.1 Adjustment after Replacing the ORU-M Componets

- 1 After replacing the ORU-M units, press [Complete Replacement] on the ORU-M Replacement Unit screen.



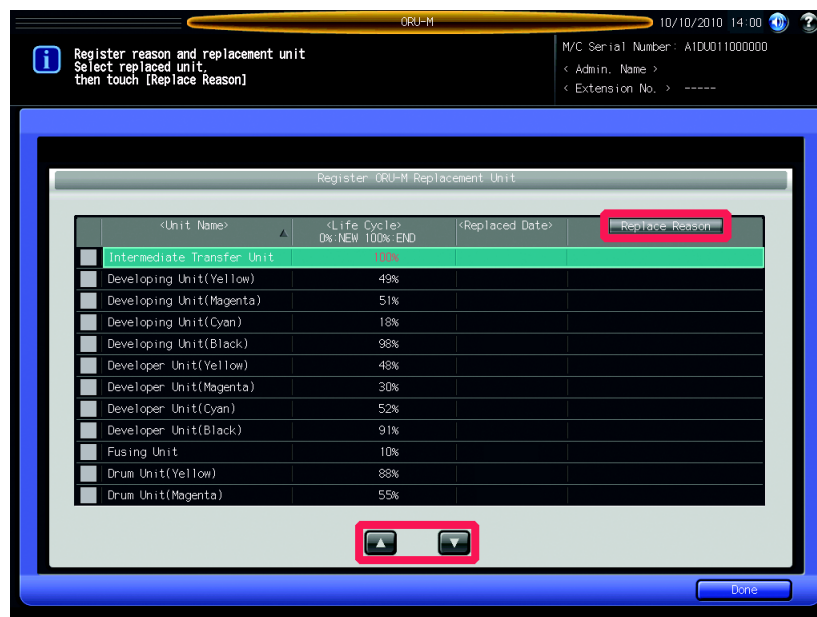
The machine automatically turns on and the Register ORU-M Replacement Unit screen is displayed.

Important

Please make sure that you fix the toner hopper unit with the screws and close the front door. Otherwise, the machine will not automatically turn off.

2 Select the row of the unit that you replaced.

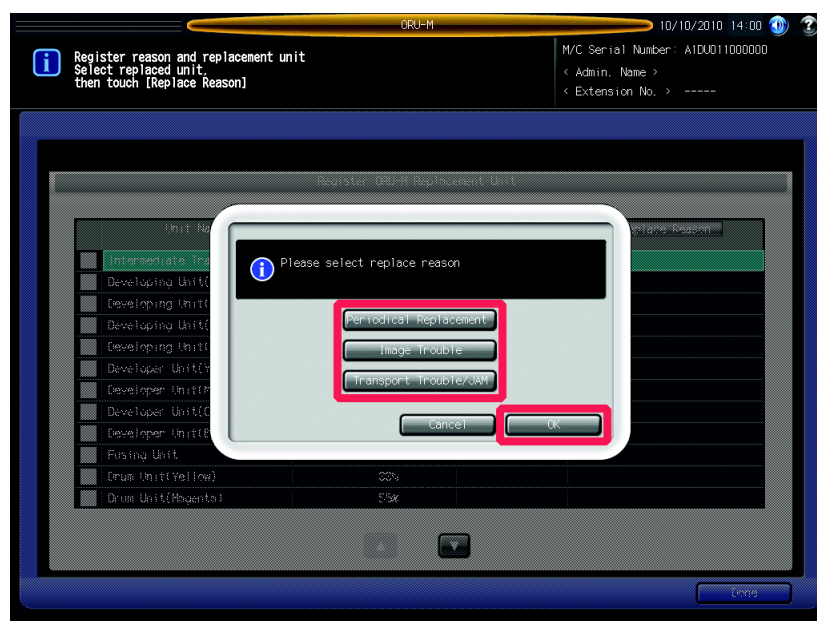
- If the unit that you replaced is not displayed on the screen, press [▲] [▼] to display it.
- If you replaced multiple units, you can configure several units at once by selecting units with the same replacement reason and setting the reason to the units.



3 Press [Replace Reason] to display a dialog box asking a replacement reason. Select a reason, then press [OK].

Important

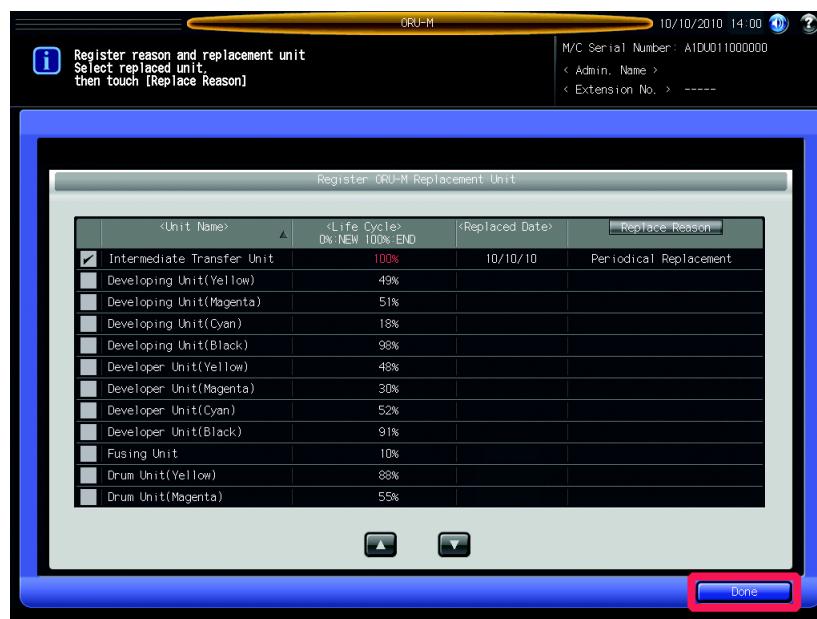
Please make sure to set a replacement reason for the replaced units. Otherwise, it does not reset a counter for the Life Cycle of the units and you can not properly adjust the units in next steps.



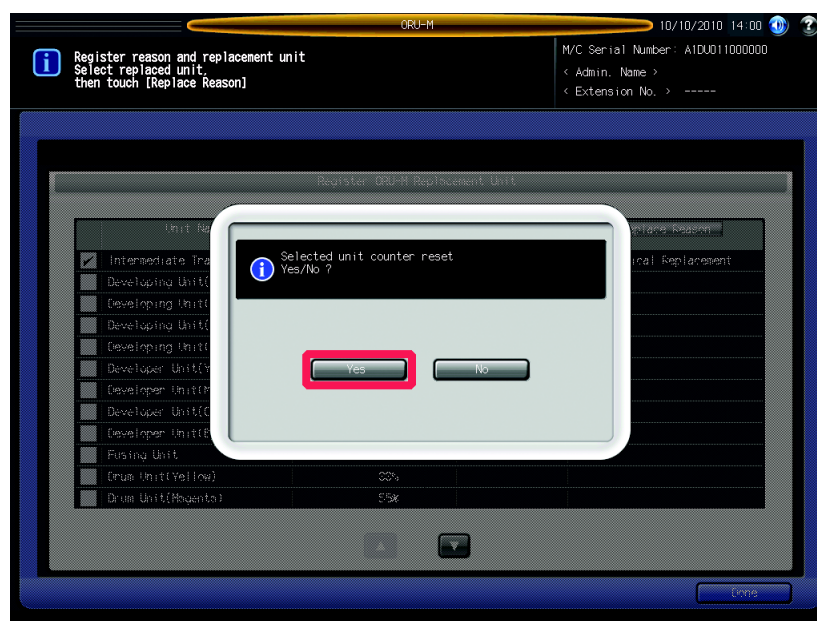
After you set a replacement reason for the replaced units, a check will appear in the checkbox left of the unit name.

- 4 Repeat step 2 to 4 until you set reasons for all units that you replaced.
- 5 Press [Done].

A dialog box is displayed, with a checkbox to choose whether to reset the counters of the units.



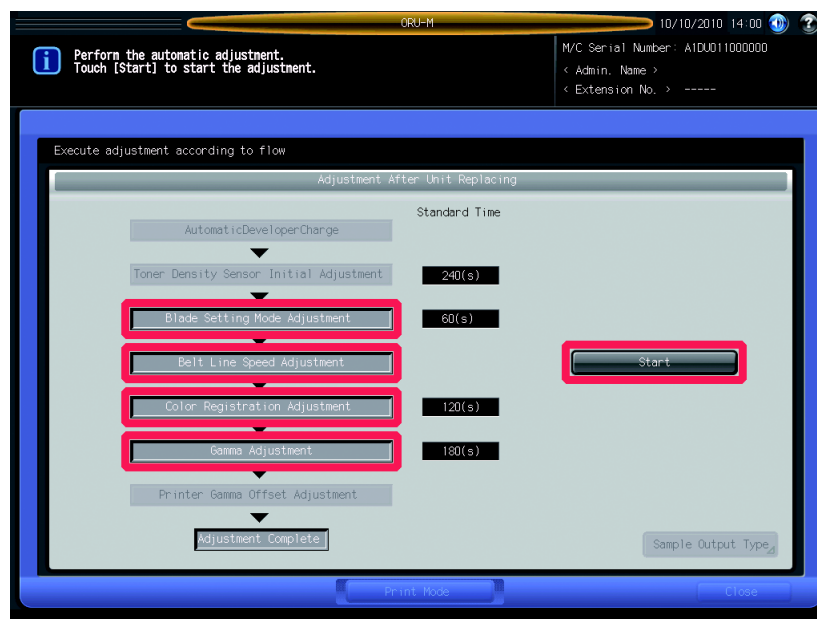
- 6 Press [Yes].



The Adjustment After Unit Replacing screen is displayed.

7 Press [Start].

→ [Start] appears grayed out on the screen for the units that do not need any adjustment after replacement. Proceed to step 16.



Adjustment Items

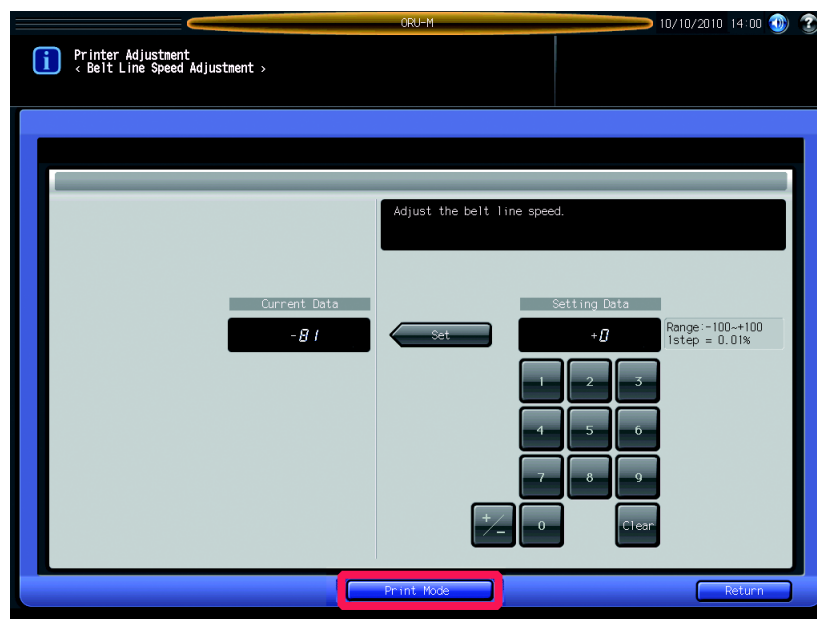
- Blade Setting Mode Adjustment (Intermediate Transfer Belt)
- Belt Line Speed Adjustment
- Color Registration Adjustment
- Gamma Adjustment

Start to adjust the units.

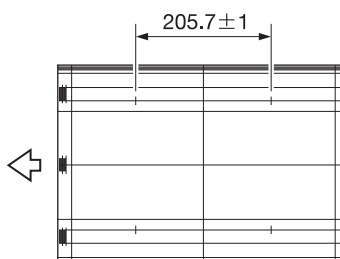
Standard time required to adjust is displayed for an auto-adjustment item in the right side of the item.

For a manual adjustment item, a screen for each item is displayed. When you finish manually adjusting the item, it automatically proceeds to the next screen.

Belt Line Speed Adjustment

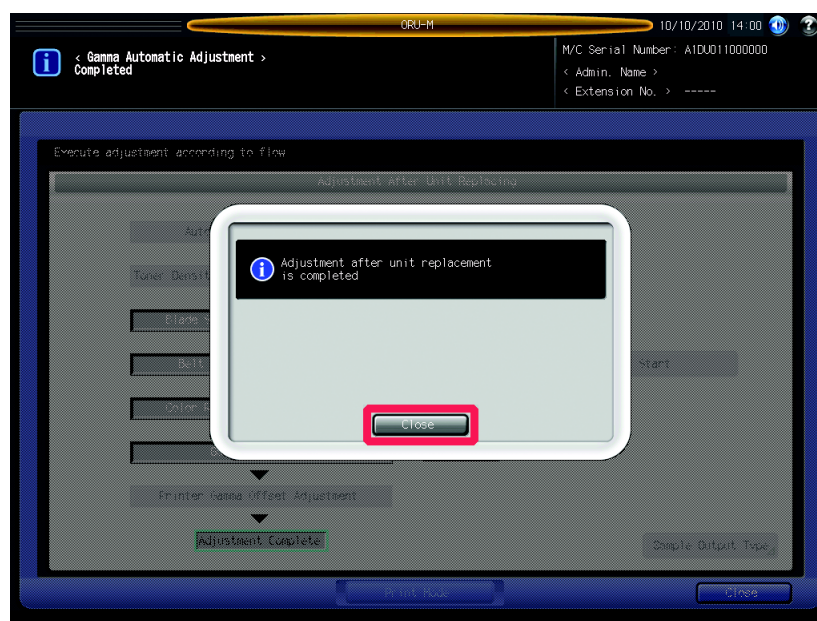


- (1) Press [Print Mode].
- (2) Select a tray for A3 or 11 × 17 paper, then press **Start** on the control panel. A sample pattern (No. 16) will be output.
- (3) Measure the resultant magnification in the paper feed direction.
Allowance: +/- 0.5% or less (when in life-size)
Within 205.7 +/- 1 mm or less



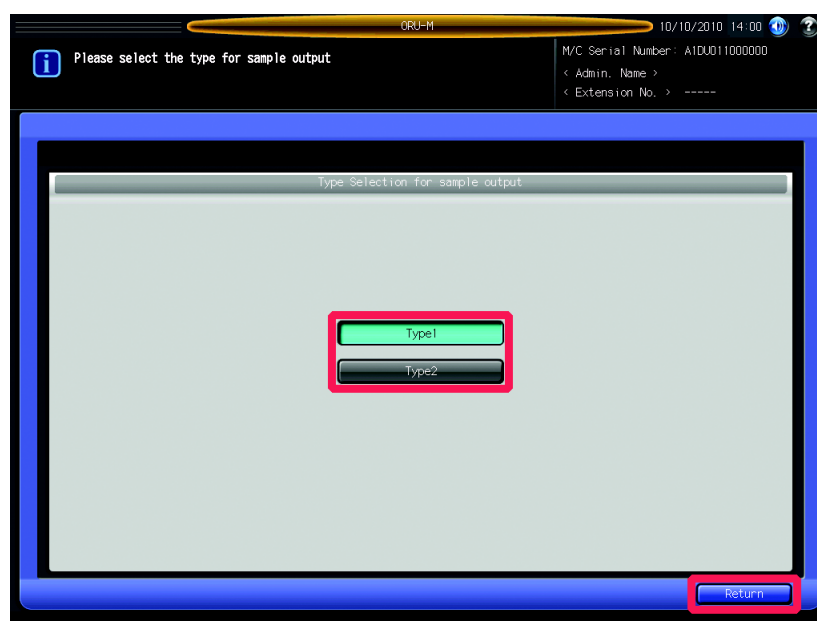
- (4) If any adjustment is required, press [Exit PrintMode] to return to the Belt Line Speed Adjustment screen.
- (5) Use the touch panel keypad to enter adjustment values, then press [Set].
Range: -100 (short) to +100 (long)
(one step = 0.01%)
Important
You can specify the value ranging from -100 to +100. However, the optimal value ranges from -5 to -35. It may cause an error if you enter a value out of the range of the optimal value.
- (6) Repeat the step (2) to (5) until the desired result is obtained.
- (7) Press [Return]. The Adjustment After Unit Replacing screen will be restored.

- 8 Press [Close] in the [Adjustment after unit replacement is complete] dialog box. The Adjustment After Unit Replacing screen will be restored.



- 9 Press [Sample Output Type]. Output a sample after adjustment. The Type Selection for sample output screen is displayed.

- 10 Select either [Type1] or [Type2].



Type1: Halftone output.

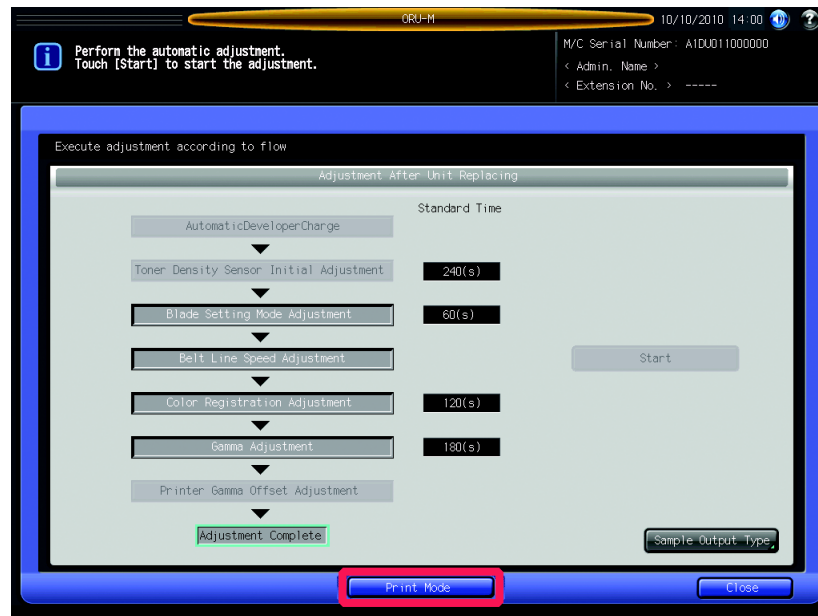
Type2: Color (CMK) output.

Important

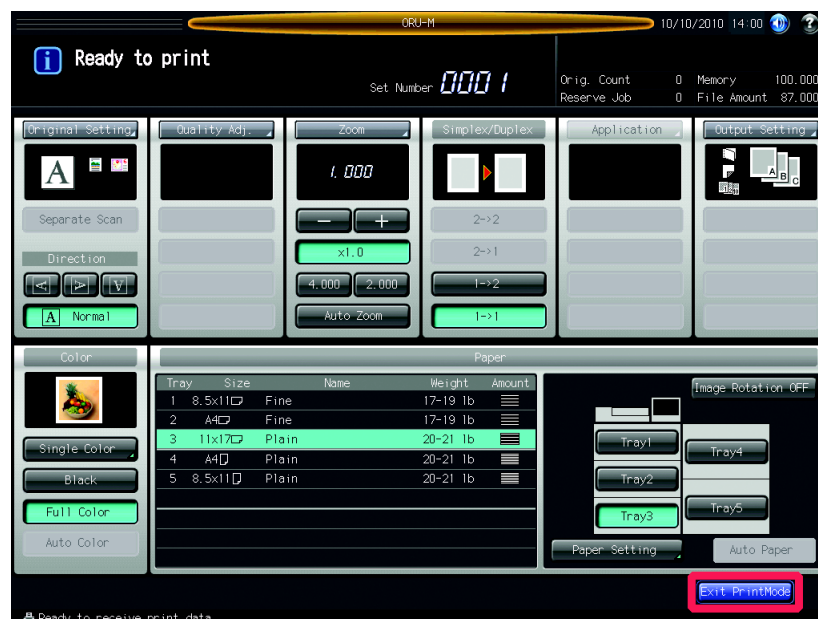
Make sure to print both Type1 and Type2 for sample output.

Press [Return]. The Adjustment After Unit Replacing screen will be restored.

11 Press [Print Mode]. The print mode screen is displayed.



12 Select a tray for A3 or 11 × 17 paper, and then press **Start** on the control panel.



13 Press [Exit PrintMode]. The Adjustment After Unit Replacing screen will be restored.

14 Repeat the step 9 to 13 to output samples of both [Type1] and [Type2].

15 Confirm the result of the adjustment by comparing the samples before and after the adjustment.

16 Press [Close] in the Adjustment After Unit Replacing screen. The Machine Status Screen will be restored.



KONICA MINOLTA

<http://konicaminolta.com>

bizhub PRESS

C7000/C7000P/C6000/C70hc

ORU-M (Operator Replaceable Unit Management)
REPLACEMENT INSTRUCTIONS
Pickup Roller/Separation Roller/Feed Roller
(Tray 1, 2, 3)





Contents

1	Introduction	
2	Preliminary Preparation to Replace ORU-M Units	
2.1	Preliminary Preparation to Replace ORU-M Units	2-2
3	Replacing ORU-M Units	
3.1	Pickup Roller (Tray1, 2, 3)	3-2
3.2	Separation Roller/Feed Roller	3-5
4	Adjustment after Replacing the ORU-M Units	
4.1	Adjustment after Replacing the ORU-M Componets.....	4-2



Introduction

1 Introduction

The Objectives of ORU-M (Operator Replaceable Unit Management)

ORU-M system enables users to replace the machine units by themselves. It also helps to minimize machine downtime.

Notice to users of ORU-M

Make sure you take trainings and obtain a certificate of approval before using the ORU-M.

When replacing the machine units, please follow the instructions written in the ORU-M (Operator Replaceable Unit Management) REPLACEMENT INSTRUCTIONS.

To perform replacement tasks safely and reliably, keep the ORU-M (Operator Replaceable Unit Management) REPLACEMENT INSTRUCTIONS and do not lose them. If you lose the instructions, contact your service representative.

Registered Trademarks

bizhub PRESS is a trademark of Konica Minolta Business Technologies, Inc.
Copyright © 2010 Konica Minolta Business Technologies, Inc.



Preliminary Preparation to Replace ORU-M Units

2 Preliminary Preparation to Replace ORU-M Units

When replacing the ORU-M units, switch to the ORU-M mode, and then replace the ORU-M units in accordance with the procedures on the screens.

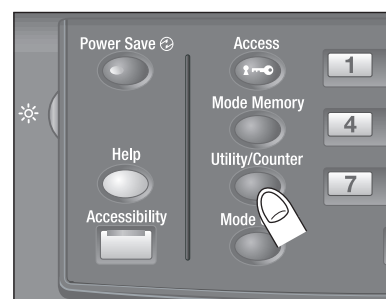
This guide explains the following topics in the order displayed on the screen. Refer to "2 Preliminary Preparation to Replace the ORU-M Units" for the preliminary preparation after you switch to the ORU-M mode and before replacing the units, "3 Replacing ORU-M Units" for the procedures to replace each unit, and "4 Adjustment after Replacing the ORU-M Units" for adjustment procedures after replacing the units.

Print out this guide and keep it at hand for your reference before you start replacement work.

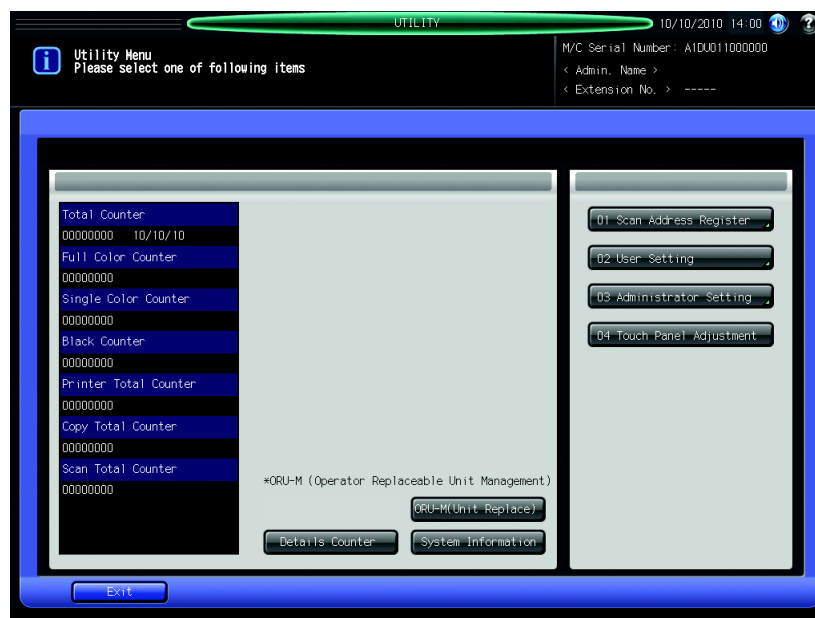
2.1 Preliminary Preparation to Replace ORU-M Units

Before replacing the ORU-M units, follow the procedure below to switch to the ORU-M mode.

- 1 Press [Utility/Counter].
The Utility screen is displayed.



- 2 Press [ORU-M (Unit Replace)].



The ORU-M Replacement Unit screen is displayed. Unit names, life cycles, and replaced dates for the ORU-M units are listed on this screen.

3 Output a sample of the current machine.

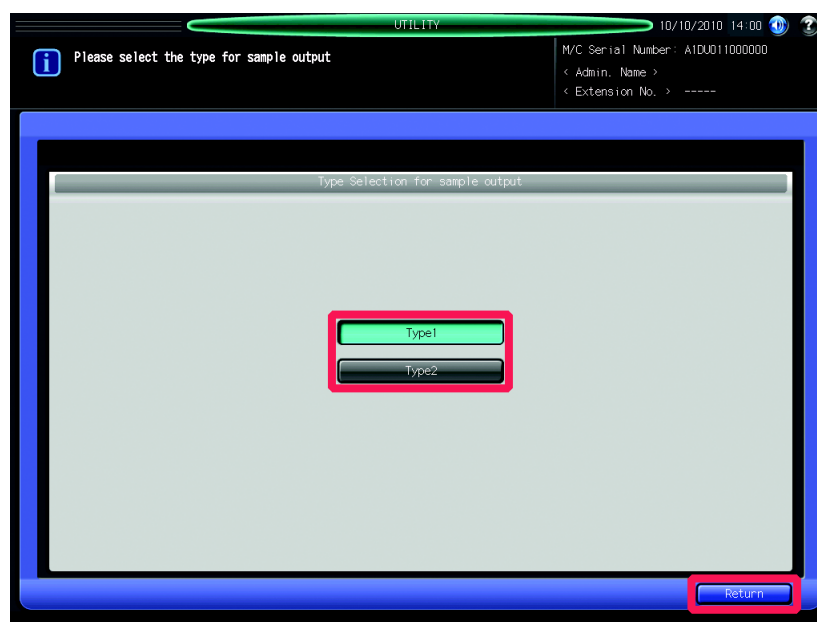
Press [Sample Output Type]. The Type Selection for sample output screen is displayed.



4 Select either [Type1] or [Type2].

Type1: Halftone output.

Type2: Color (CMK) output.



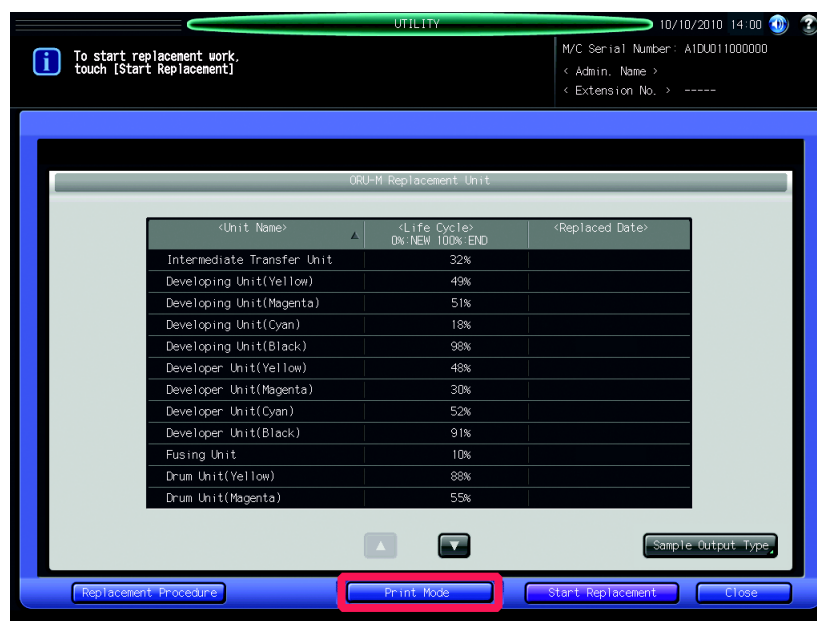
Important

Make sure to print both Type1 and Type2 for sample output.

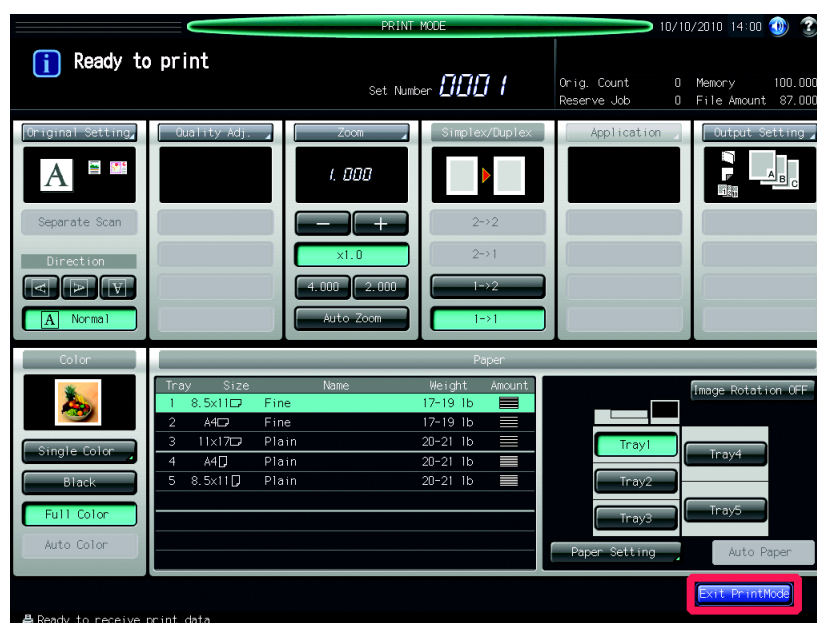
Press [Return]. It will return to the ORU-M Replacement Unit screen.

5 Press [Print Mode].

The PRINT MODE screen is displayed.



6 Select a tray for A3 or 11 × 17 paper, then press **Start** on the control panel.



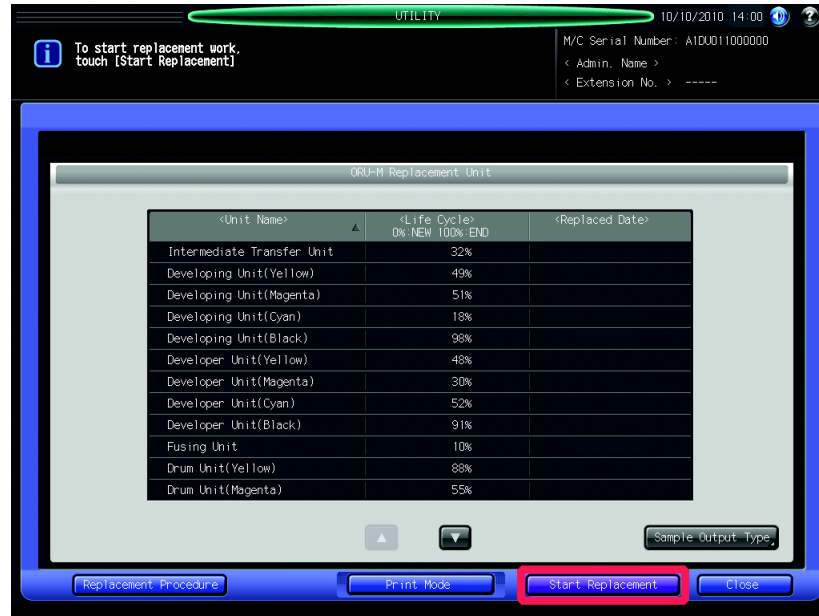
Important

You can not output the entire sample if you specify a paper size other than A3 or 11 × 17.

7 Press [Exit PrintMode]. It will return to the ORU-M Replacement Unit screen.

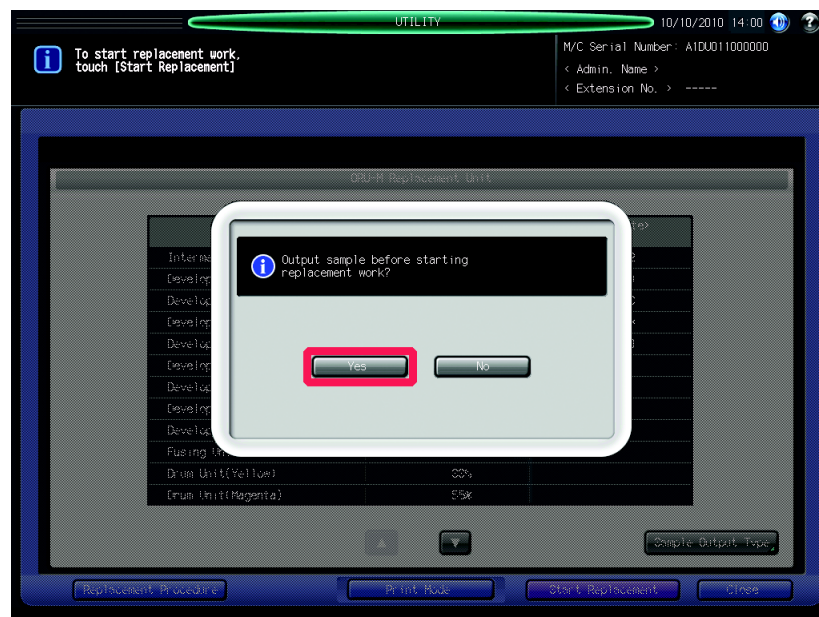
8 Repeat steps 3 to 7 to output both samples of [Type1] and [Type2].

9 Press [Start Replacement].



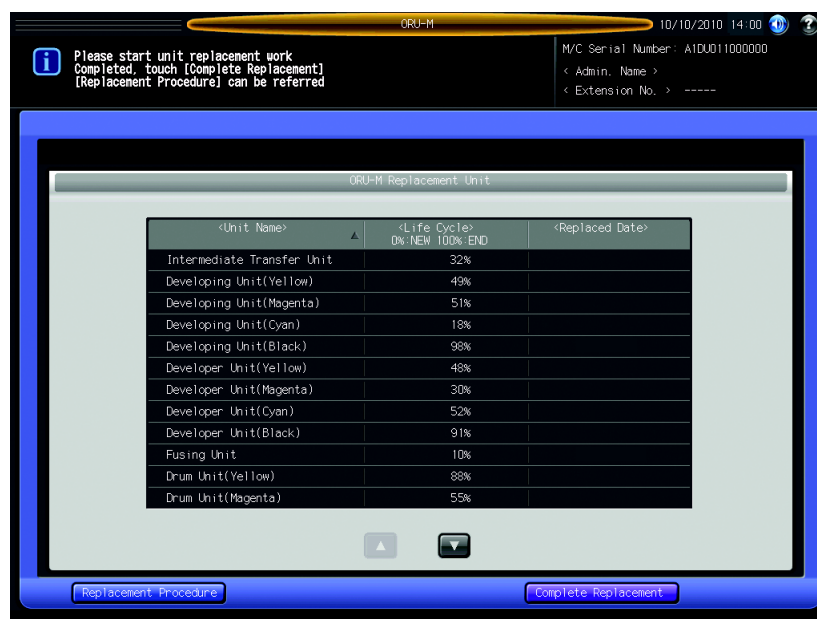
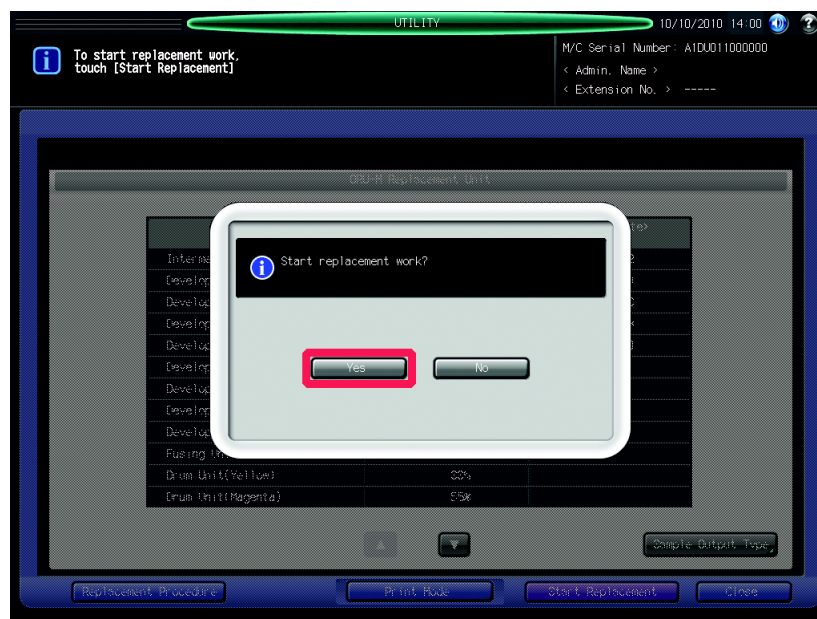
10 Press [Yes].

The machine automatically turns off.

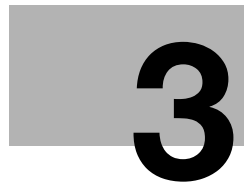


11 If you want to start replacement works, press [Yes].

It automatically switches to ORU-M replacement mode, returns to the ORU-M Replacement Unit screen.

**12** Please refer to the "3 Replacing ORU-M Units" to replace the units.**Important**

You can check the procedures of unit replacement on the screen when replacing the units.



Replacing ORU-M Units

3 Replacing ORU-M Units

3.1 Pickup Roller (Tray1, 2, 3)

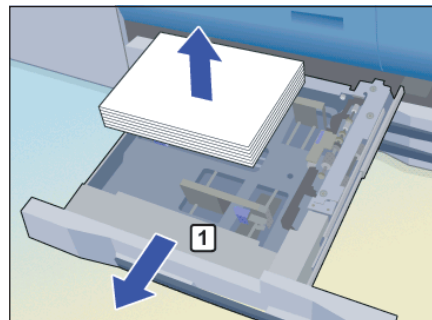
Important

You can check the procedures of the unit replacement on the screen when replacing the units.

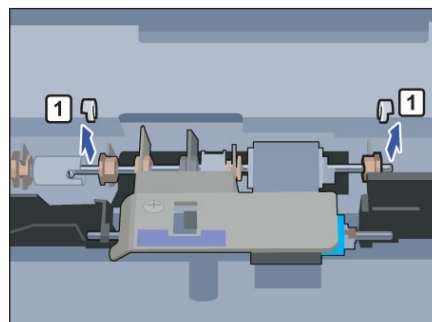
- 1 Pull out the paper tray [1] from the main body, then remove paper from the paper tray.

Important

The illustration shows an example of the case of tray1.



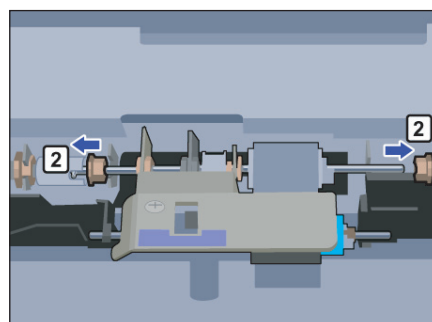
- 2 Remove the clips [1] (2 pieces).



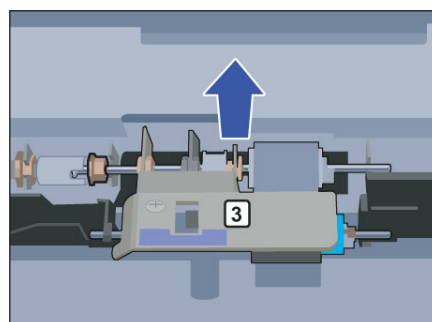
- 3 Slide the bearings [2] (2 pieces) to the outside. Remove only the bearing on the roller side.

Important

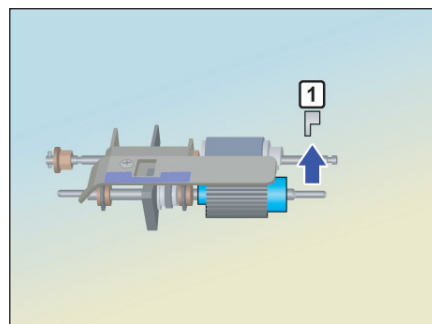
Please keep the clips and roller you removed not in the tray but in another place.



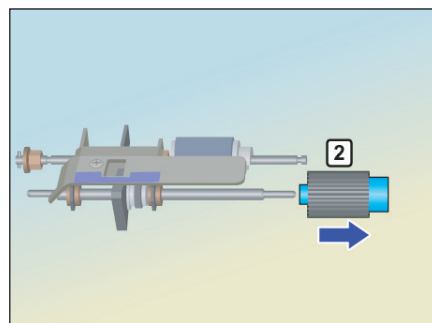
- 4 Remove the feed roller unit [3].



- 5 Remove the clip [1].



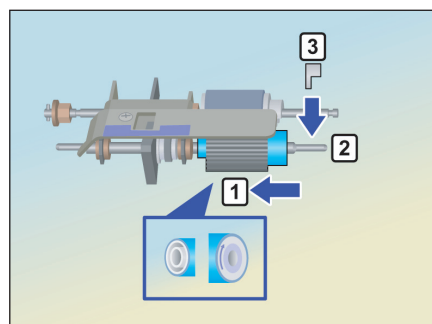
- 6 Remove the pickup roller [2].



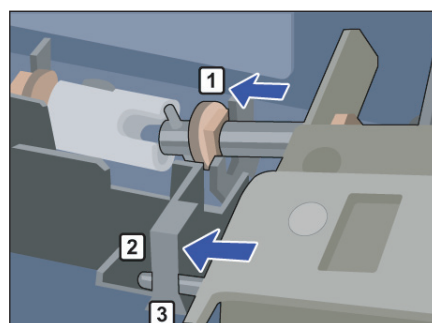
- 7 Insert the new pickup roller [1] into the bearing [2], then fit the clip [3].

Important

When mounting the pickup roller, please insert it with the arrow mark facing the clip.



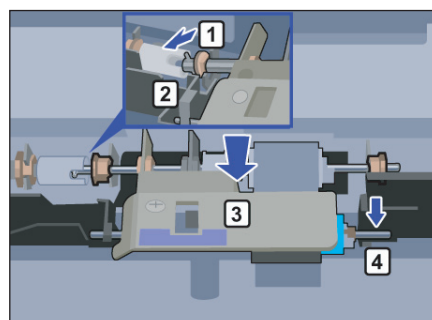
- 8 Slide the bearing [1] to the outside of the feed roller unit (pin side), and then put the axis of the pickup roller [2] to the groove [3].



- 9 Fit the pin [1] of the feed roller unit to the groove [2] of coupling and set the feed roller unit [3].

Important

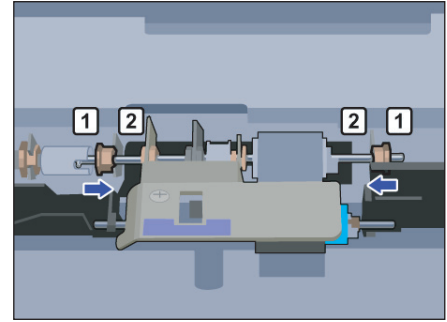
Set the the unit so that the axis head [4] of the pickup roller is fitted in the position indicated in the figure.



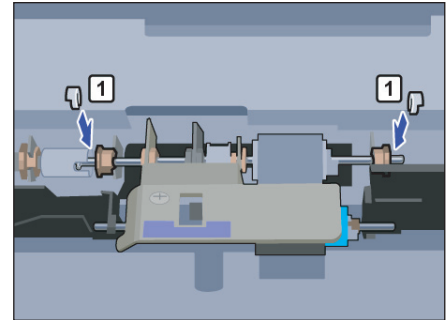
- 10** Fit the bearings [1] (2 pieces) on both sides to the D-cut [2] of the plate and attach them.

Important

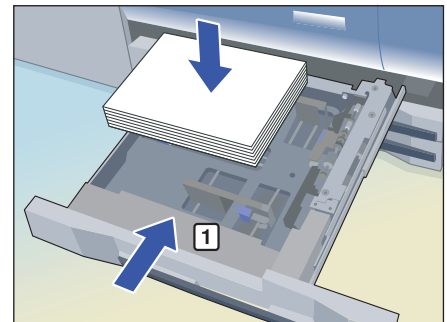
When the bearings are placed inside of the feed roller unit, you can not attach the feed roller unit. When mounting the paper feed roller unit, please confirm that there is no grease stuck to any of the rollers.



- 11** Fit the clips [1] (2 pieces).



- 12** Place the paper back on the paper tray [1].
Press the paper tray into the main body.



3.2 Separation Roller/Feed Roller

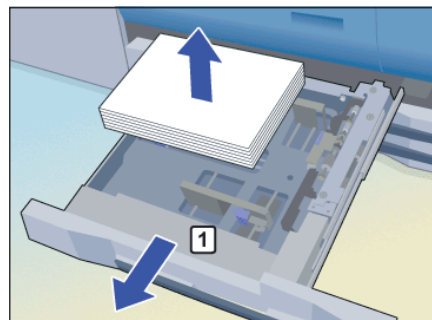
Important

You can check the procedures of the unit replacement on the screen when replacing the units.

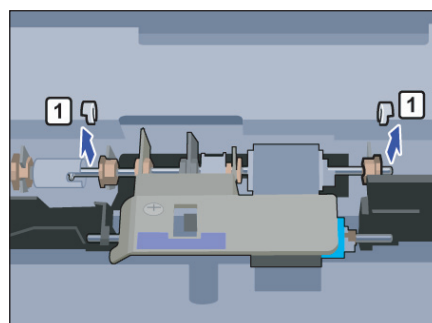
- 1 Pull out the paper tray [1] from the main body, then remove paper from the paper tray.

Important

The illustration shows an example of the case of tray1.



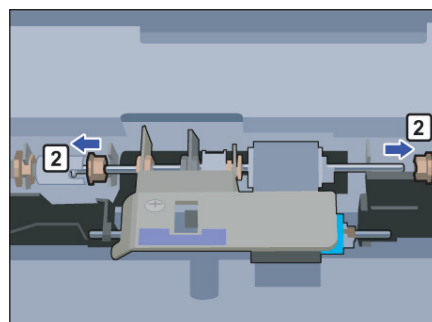
- 2 Remove the clips [1] (2 pieces).



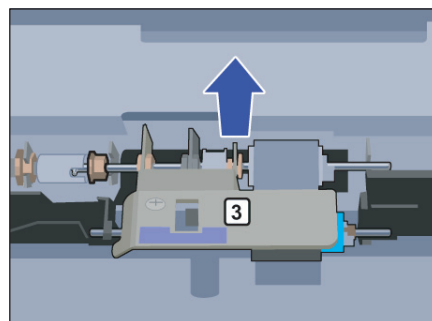
- 3 Slide the bearings [2] (2 pieces) to the outside. Remove only the bearing on the roller side.

Important

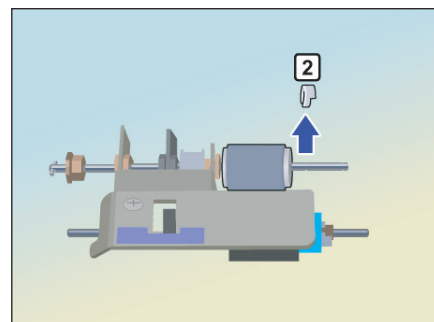
Please keep the clips and roller you removed not in the tray but in another place.



- 4 Remove the feed roller unit [3].

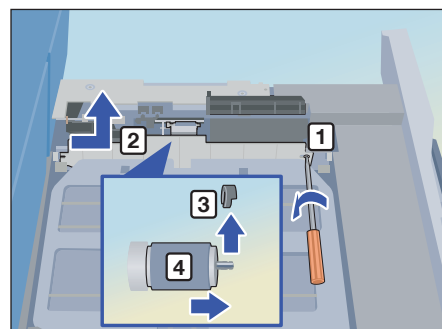


5 Remove the clip [2].



6 Remove the feed roller.

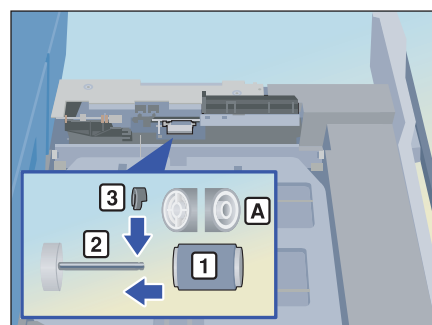
Loosen the screw [1] (1 piece), and then remove the plate [2]. Pull out the black clip [3], and then remove the separation roller [4].



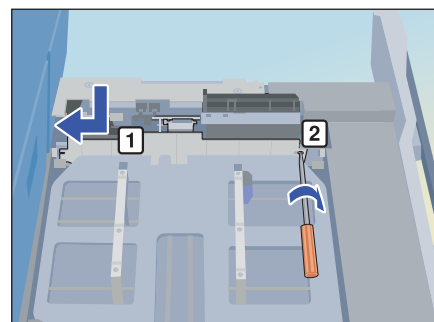
7 Insert the new separation roller [1] into the bearing [2], then fit the black clip [3].

Important

When mounting the separation roller, please insert it with A side in the right figure facing the black clip.



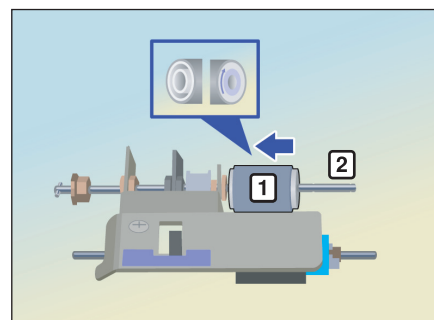
8 Insert the plate [1] and fix it with the screw [2] (1 piece).



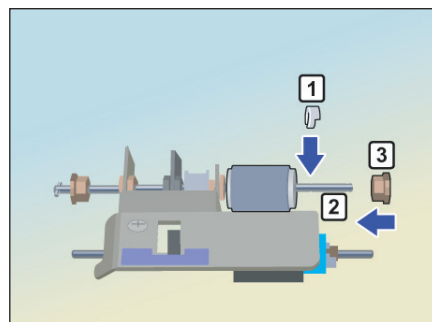
9 Insert the new feed roller [1] into the bearing [2].

Important

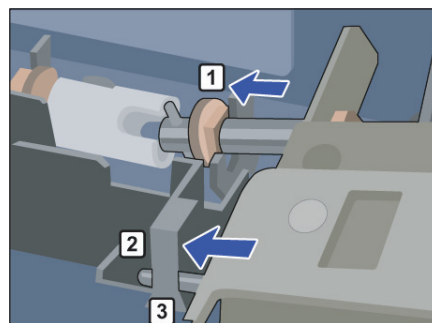
When mounting the feed roller, please insert it with the arrow mark facing the clip.



- 10** Fix the clip [1] to the bearing [2], then attach the bearing [3].



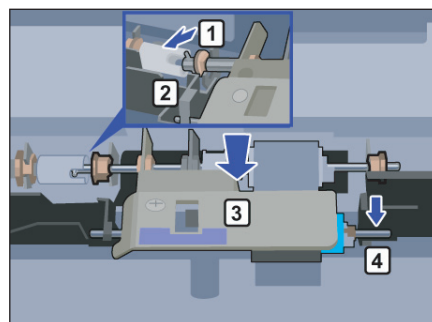
- 11** Return the feed roller unit to the original position.
Slide the bearing [1] to the outside of the feed roller unit (pin side), and then put the axis of the pickup roller [2] to the groove [3].



- 12** Fit the pin [1] of the feed roller unit to the groove [2] of coupling and set the feed roller unit [3].

Important

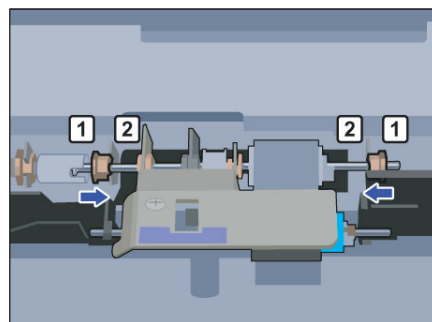
Set the unit so that the axis head [4] of the pickup roller is fitted in the position indicated in the figure.



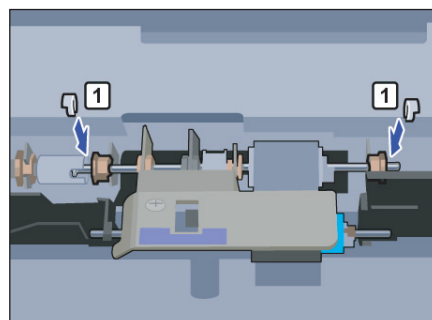
- 13** Fit the bearings [1] (2 pieces) on both sides to the D-cut [2] of the plate and attach them.

Important

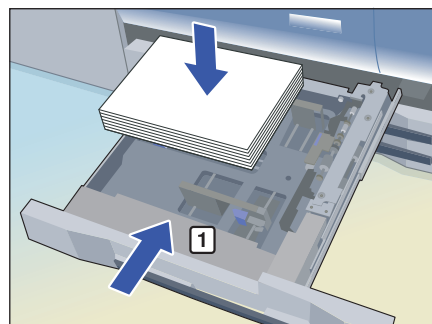
When the bearings are placed inside of the feed roller unit, you can not attach the feed roller unit. When mounting the feed roller unit, make sure that you place the axis of the pickup roller on the black board of the plate. When mounting the paper feed roller unit, please confirm that there is no grease stuck to any of the rollers.



- 14** Fit the clips [1] (2 pieces).



- 15** Place the paper back on the paper tray [1].
Press the paper tray into the main body.



4

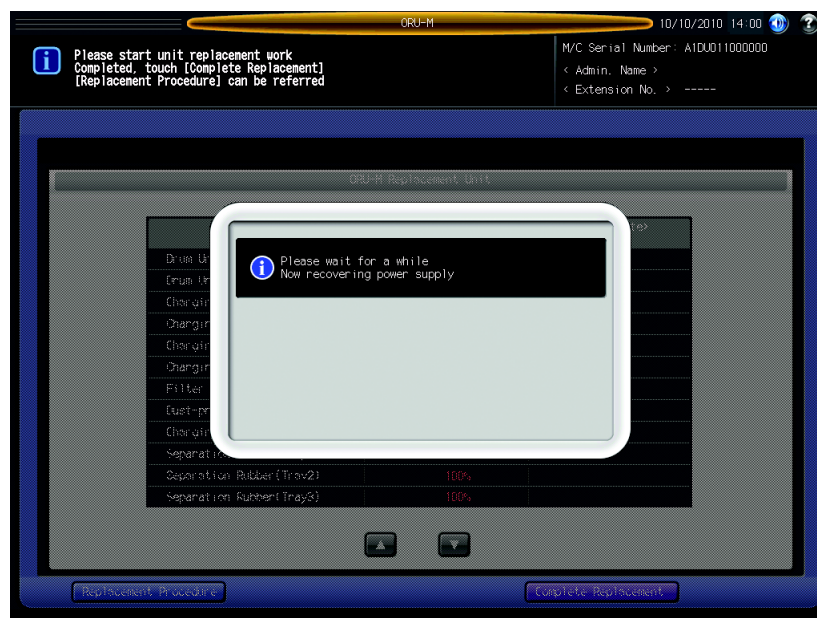
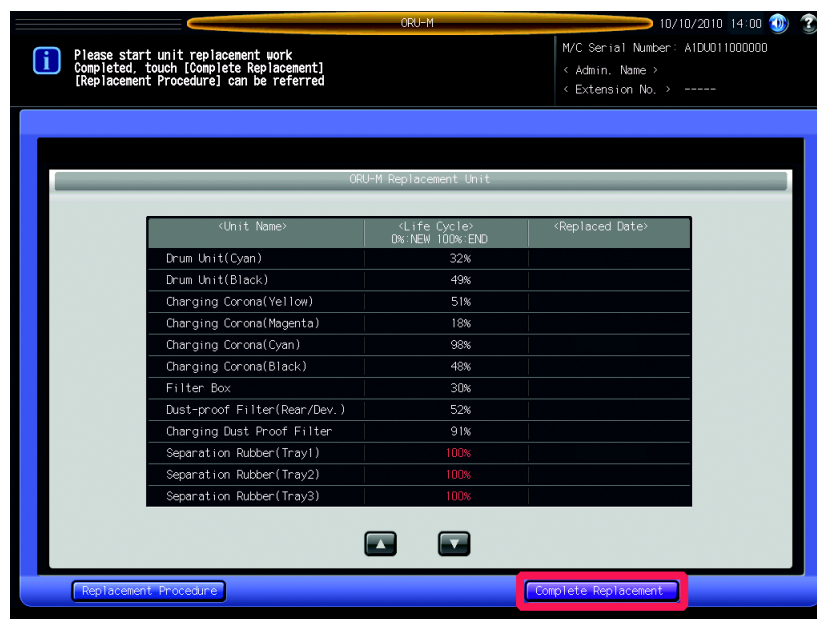
Adjustment after Replacing the ORU-M Units

4 Adjustment after Replacing the ORU-M Units

After replacing the ORU-M units, make adjustments on them.

4.1 Adjustment after Replacing the ORU-M Componets

- 1 After replacing the ORU-M units, press [Complete Replacement] on the ORU-M Replacement Unit screen.



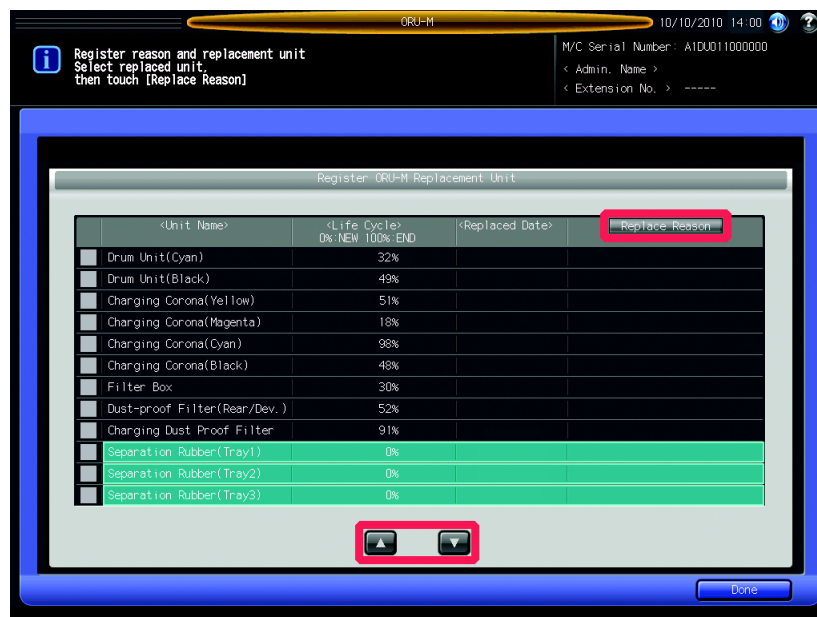
The machine automatically turns on and the Register ORU-M Replacement Unit screen is displayed.

Important

Please make sure that you fix the toner hopper unit with the screws and close the front door. Otherwise, the machine will not automatically turn off.

2 Select the row of the unit that you replaced.

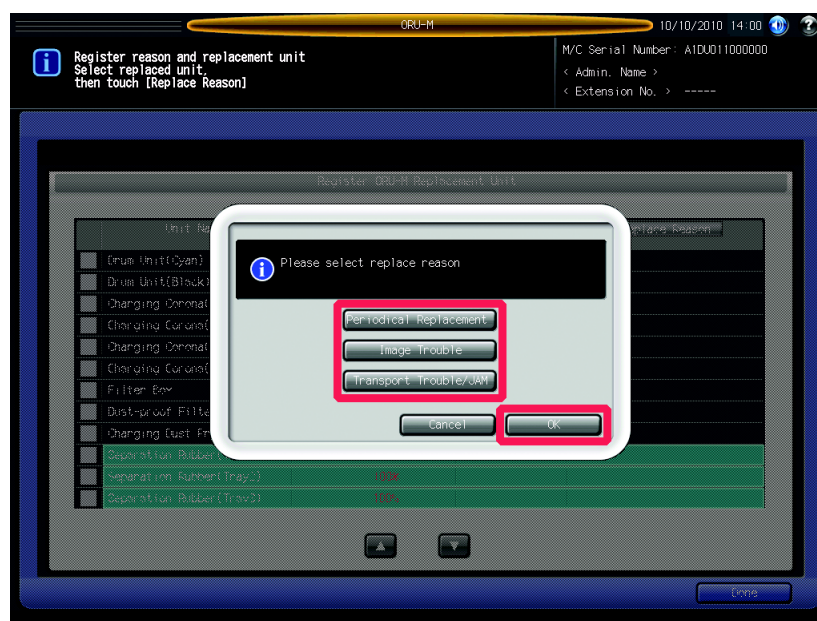
- If the unit that you replaced is not displayed on the screen, press [▲] [▼] to display it.
- If you replaced multiple units, you can configure several units at once by selecting units with the same replacement reason and setting the reason to the units.



3 Press [Replace Reason] to display a dialog box asking a replacement reason. Select a reason, then press [OK].

Important

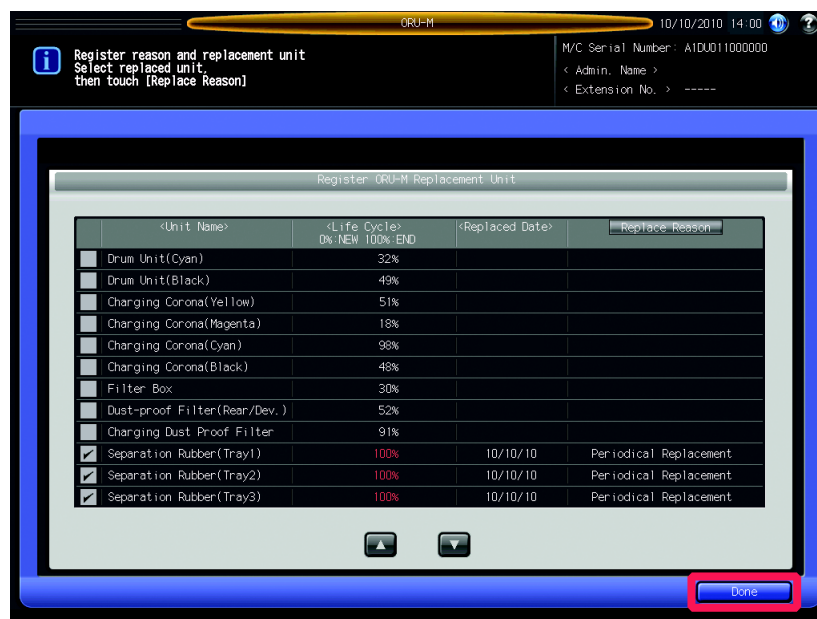
Please make sure to set a replacement reason for the replaced units. Otherwise, it does not reset a counter for the Life Cycle of the units and you can not properly adjust the units in next steps.



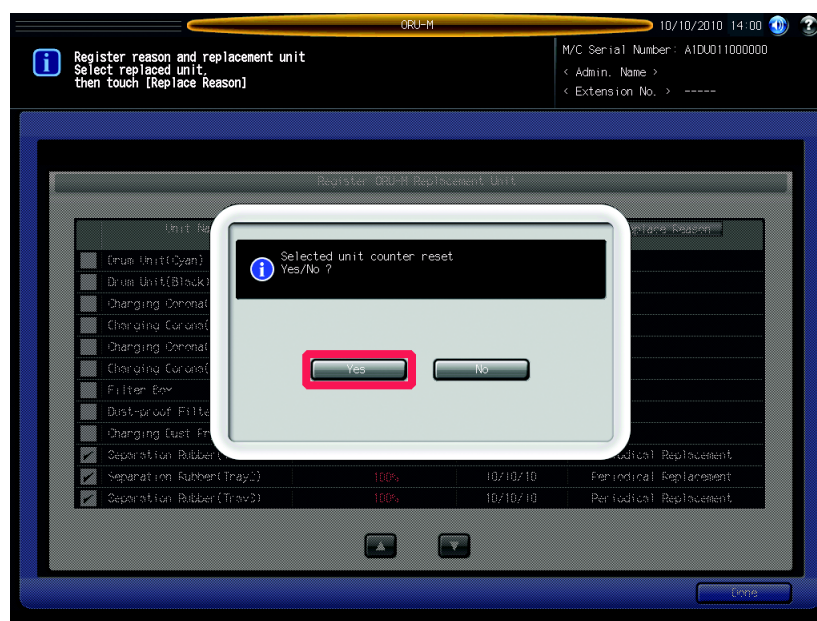
After you set a replacement reason for the replaced units, a check will appear in the checkbox left of the unit name.

- 4 Repeat step 2 to 4 until you set reasons for all units that you replaced.
- 5 Press [Done].

A dialog box is displayed, with a checkbox to choose whether to reset the counters of the units.

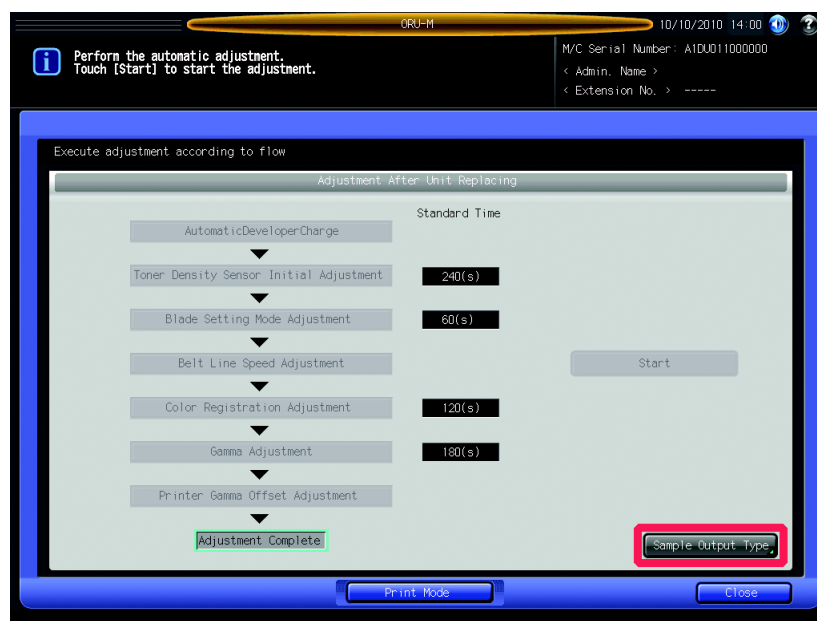


- 6 Press [Yes].

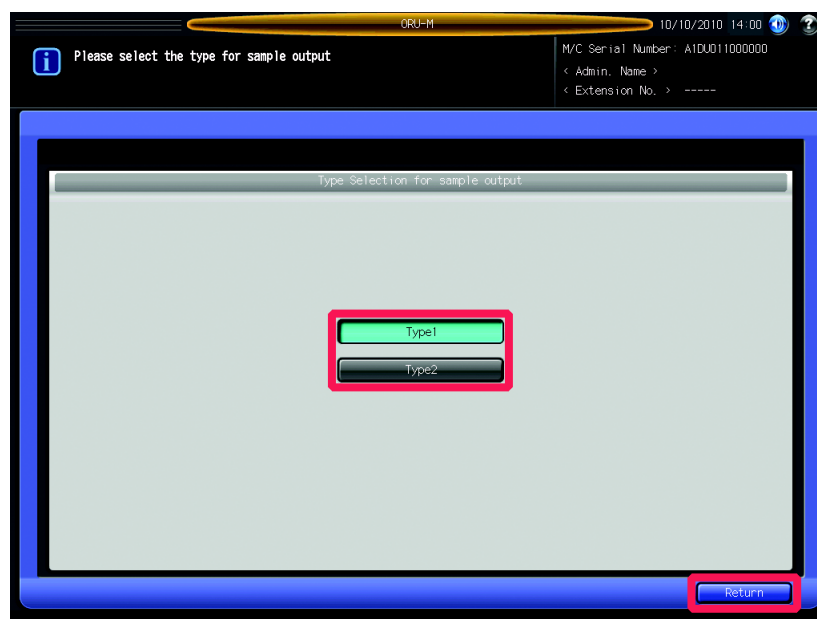


The Adjustment After Unit Replacing screen is displayed.

- 7 Press [Sample Output Type]. Output a sample after adjustment.
The Type Selection for sample output screen is displayed.



- 8 Select either [Type1] or [Type2].



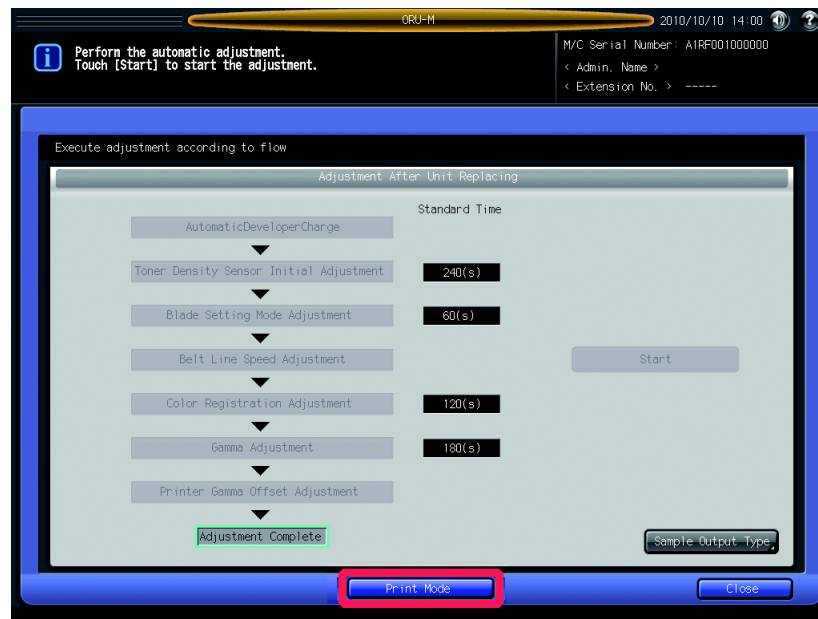
Type1: Halftone output.
Type2: Color (CMK) output.

Important

Make sure to print both Type1 and Type2 for sample output.

Press [Return]. The Adjustment After Unit Replacing screen will be restored.

- 9 Press [Print Mode]. The print mode screen is displayed.



- 10 Select a tray for A3 or 11 × 17 paper, and then press **Start** on the control panel.



- 11 Press [Exit PrintMode]. The Adjustment After Unit Replacing screen will be restored.
- 12 Repeat the step 7 to 11 to output samples of both [Type1] and [Type2].
- 13 Confirm the result of the adjustment by comparing the samples before and after the adjustment.
- 14 Press [Close] in the Adjustment After Unit Replacing screen. The Machine Status Screen will be restored.



KONICA MINOLTA

<http://konicaminolta.com>