



Accurio**Press**

C14000/C12000

Fusing Unit EF-106 User's Guide

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1

Introduction

1 Introduction

1.1 Introduction

Notice to Users of Fusing Unit EF-106

When replacing the machine units, please follow the instructions described in the User's Guide.

To perform replacement tasks safely and reliably, keep this User's Guide and do not lose them. If you lose the document, please contact your service representative.

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1.2 Safety Precautions

1.2.1 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 User's Guide at hand for your future reference and be careful not to lose it.
- Make sure you follow the safety precautions listed in the User's Guide.

Warning and precaution symbols

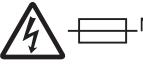
Be sure to observe the safety precautions.

- This manual contains the instructions that should be strictly observed at all times to prevent injury to yourself and other persons as well as damage to property.

Injuries and damage that might be caused by using the product improperly are classified according to the following symbols.

Pictorial indication	Description
 DANGER	Improper handling can frequently cause serious injury and death.
 WARNING	Improper handling can cause serious injury or death.
 CAUTION	Improper handling can cause minor injury or damage to houses and property.

These are some of major exemplary graphical symbols.

Graphic symbols	Description	Graphic symbols	Description	Graphic symbols	Description
	General Prohibited		Do not disassemble		Do not touch
	General instruction		Ground/Earth		Unplug from outlet
	General precaution		CAUTION high temperature		CAUTION electrical shock
	CAUTION risk of having hands or arms caught		CAUTION moving parts		CAUTION moving fan blade
	CAUTION double pole / neutral fusing		"ON" position		"OFF" position
	"STAND-BY" position		Push-push type switches		Ground/Earth (Protective bonding terminal)
	Ground/Earth (Protective earthing)				

1.2.2 Precautions When Replacing Units

Preparation Tasks Before Replacing Units

⚠ CAUTION

When replacing the units, be sure to receive instructions from our customer engineer, read the User' Guide in entirety and perform tasks in the specified order with appropriate tools. Do not perform any tasks that are not described in the User's Guide. 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.



Unit Replacement Tasks

⚠ WARNING

Keep this bag away from babies and children. Do not use in cribs, beds, carriages, or playpens. The thin film may cling to nose and mouth and prevent breathing. This bag is not a toy.



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.



⚠ CAUTION

Do not place the unit removed in the replacement tasks on an unstable table or sloped surface, or in a location subject to excessive shocks or vibrations. It could drop or fall and may cause personal injury.



Please pay careful attention to the surroundings when placing the unit removed in the replacement tasks.
Protruding portions, cords or wires of the unit may cause falling or personal injury.



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.



Do not place any objects around the power plug, as the power plug may be difficult to pull out when an emergency occurs.



Remove the power plug from the outlet more than one time a year and clean the area between the plug terminals. Dust that accumulates between the plug terminals may cause a fire.



Actions in Response to Troubles

WARNING

Do not keep using this product, if this product becomes inordinately hot or emits smoke, or unusual odor or noise. Immediately turn OFF the power switch, unplug the power cord from the power outlet, and then call your Technical Representative or your authorized service representative. If you keep on using it as is, a fire or electrical shock could result.



Do not keep using this product, if this product has been dropped or its cover damaged. Immediately turn OFF the power switch, unplug the power cord from the power outlet, and then call your Technical Representative or your authorized service representative. If you keep on using it as is, a fire or electrical shock could result.



CAUTION

The inside of this product has areas subject to high temperature, which may cause burns. When checking the inside of the unit for a unit replacement and others, do not touch the locations (around the fusing unit, etc.) which are indicated by a "Caution HOT" caution label. A burn could result.



1.2.3 Warning and Caution Labels

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 remove warning or caution labels.

- Should any warning or caution label be removed, you may fail to check a specific part to be alert for unexpected trouble or injury. If you find any warning or caution label removed or illegible due to soilage, please contact your service representative.
-

Caution Labels on Conveyance Fixing Unit



⚠ CAUTION: High temperature! Burn

You may get burned.

DO NOT touch the left side part of the fixing unit when the side part or side cover of the fixing unit are open for removal of jammed paper.



⚠ CAUTION: Injury

You may get injured.

DO NOT put your hands or arms in between the main body and the fixing conveyance unit. 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.



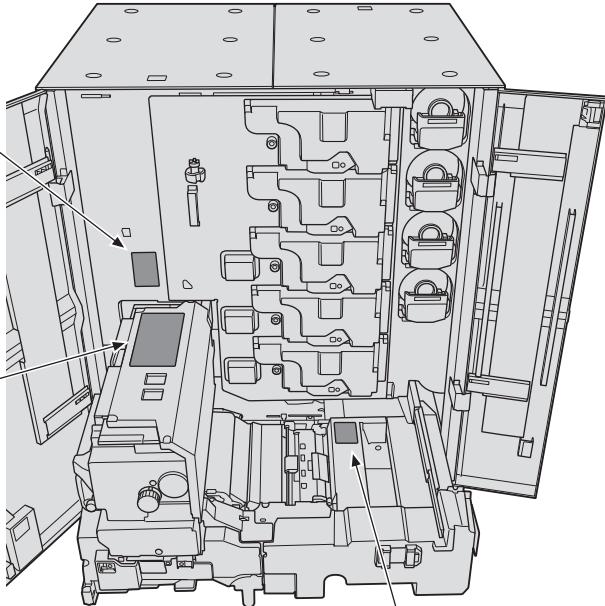
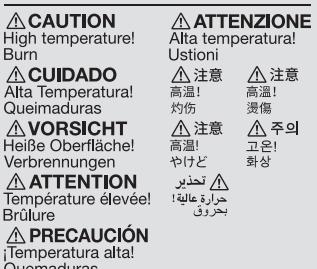
⚠ CAUTION: Injury

If the unit is dropped, it may cause an unexpected accident.

Make sure that no one besides your service representative or ORU-M (Operator Replaceable Unit Management) certificate holder replaces the unit.

Make sure that two or more people, not one person, perform replacement work.

The unit is heavy, so be careful not to drop it.



2

Installing Fusing Unit EF-106

2 Installing Fusing Unit EF-106

When replacing the fusing unit, follow the precautions below to perform the task.

NOTICE

When replacing the fusing unit, be sure to receive instructions from our customer engineer.

NOTICE

Please do not dispose of the packaging box of EF-106. Keep the packaging box and reuse it to store the replaced fusing unit.

NOTICE

With Paper Feeder Unit PF-712/PF-713 installed, only tray 3 (the lower tray) can be used as a paper source. All the other trays are unavailable.

⚠️WARNING

- Keep this bag away from babies and children. Do not use in cribs, beds, carriages, or playpens. The thin film may cling to nose and mouth and prevent breathing. This bag is not a toy.

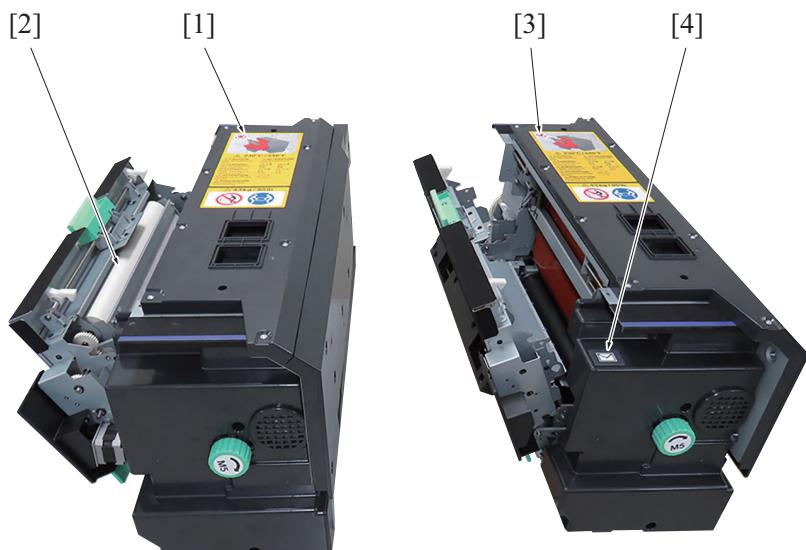
2.1 Replacement Parts

PN	Name	Shape	Q'ty
1	Fusing Unit EF-106		1

2.2 How to Distinguish Between the Fusing Unit of C14000/C12000 and EF-106

The fusing unit of the main body differs from the EF-106 in the following points.

- The cleaning web unit [2] is installed to the main body fusing unit [1].
- The envelop label [4] is attached to the EF-106 [3].



2.3 Installation Procedures

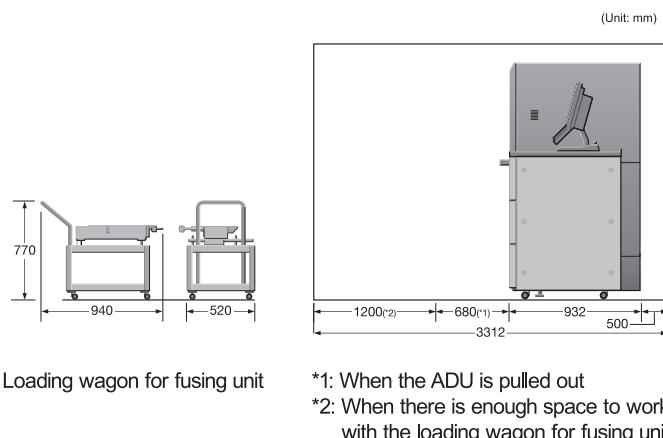
2.3.1 Installing EF-106 on the Main Body

⚠ CAUTION

Notice for users of the carriage for the fusing unit

Please make sure to use the wagon when replacing the fusing unit!

- Please keep a sufficient space to use two loading wagons considering a safety distance.



Loading wagon for fusing unit

*1: When the ADU is pulled out

*2: When there is enough space to work with the loading wagon for fusing unit

⚠ CAUTION

Notice for users who do not use the wagon for the fusing unit

- Be sure to perform this operation with 2 people because the fusing unit is heavy.

⚠ CAUTION

High Temperature

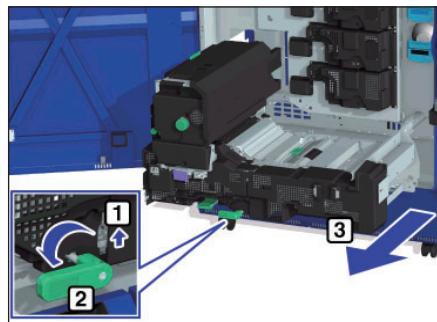
Do not touch the left side of the fusing unit!

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

- 1 Open the right front door [1] and left front door [2] of the main body.



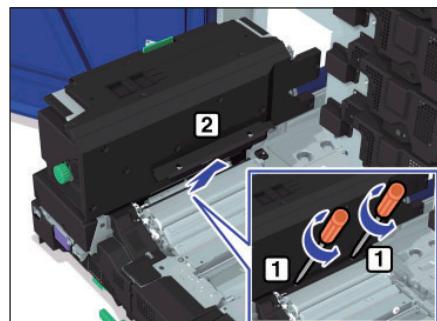
- 2** Lower the ADU release lever [2] to the left while pushing the lock parts [1] up, then pull out the Fusing Conveyance Unit [3].



- 3** Loosen the pre-fusing guide screw [1] (2 pieces), remove the pre-fusing guide [2], and put it on a sheet of paper facing the transparent sheet surface upward.

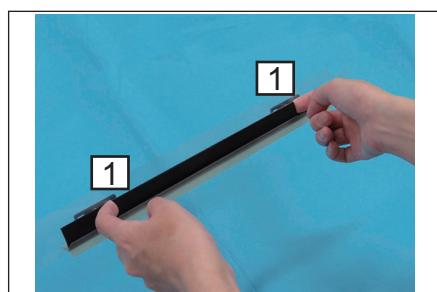
NOTICE

When placing the pre-fusing guide, please face the transparent sheet surface upward.

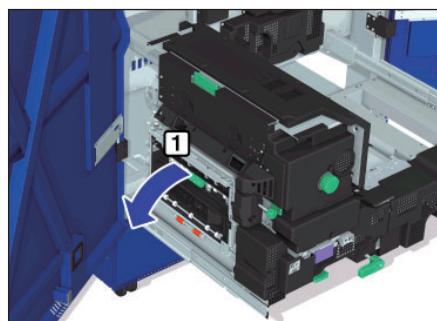


NOTICE

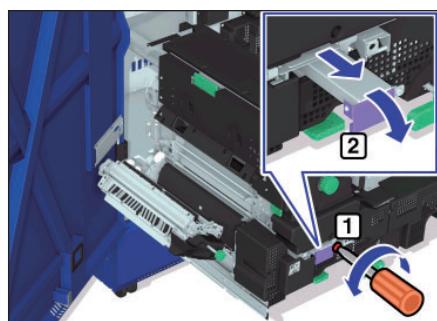
When you hold the pre-fusing guide, hold the pre-fusing guide with your finger into the hole [1] (2 positions).



- 4** Open the paper exit guide [1] of the Fusing Conveyance Unit.



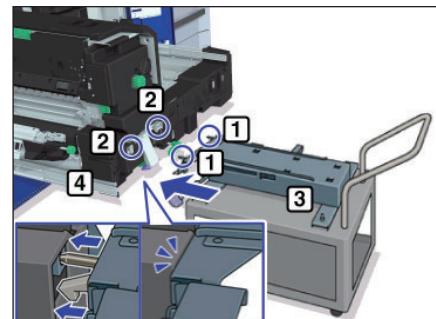
- 5** Loosen the screw [1] (1 piece) on the fixing plate in front of the fusing unit, then pull the fusing unit [2] forward.



6 Replace the fusing units using the special wagon.

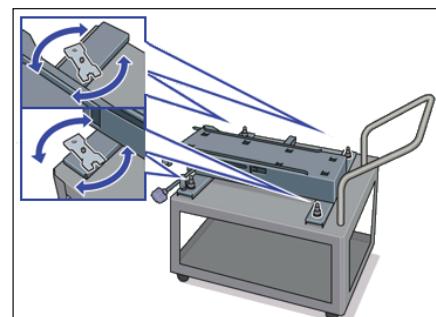
Follow the procedures below if you use the special wagon for replacement of the fusing unit.
If you do not use the wagon, proceed to step 7.

- (1) Insert the tabs [1] (2 pieces) of front side of the loading wagon to the holes [2] (2 positions) of Fusing Conveyance Unit.
Push the loading wagon [3] to Fusing Conveyance Unit [4], then confirm that the loading wagon [3] was surely fixed to Fusing Conveyance Unit [4].



NOTICE

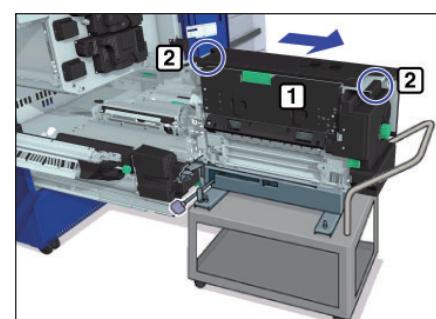
If the height of the loading wagon and Fusing Conveyance Unit don't match, the height of the loading wagon can be adjusted. Set the adjustment jigs which are provided with the loading wagon to the adjustment screws (4 pieces), rotate the jigs to adjust.



- (2) Holding the handles [2] on the front and rear side of the fusing unit [1], slide the fusing unit [1] until it reaches to the front side of the loading wagon handle.

NOTICE

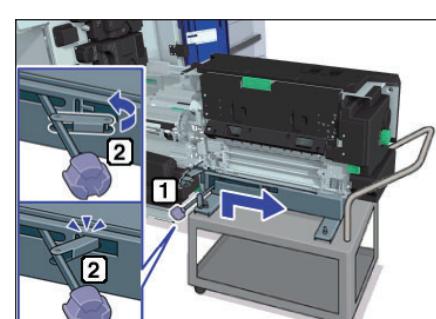
To prevent unexpected accident, please pull out the fusing unit softly.



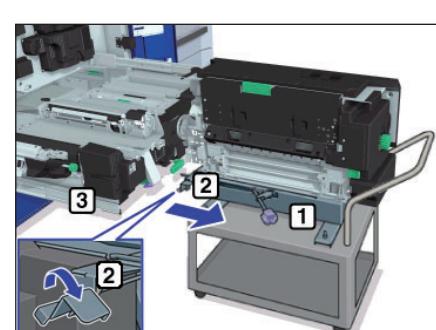
- (3) Raise the fusing unit fixing lever [1] of the loading wagon by fitting it to the groove, and slide it to the right.
Lock the lock metal parts [2] attached to the fixing lever [1] of the fusing unit by fitting into the groove.

NOTICE

To prevent the fusing unit from falling, please check that the fusing unit fixing lever is completely locked.



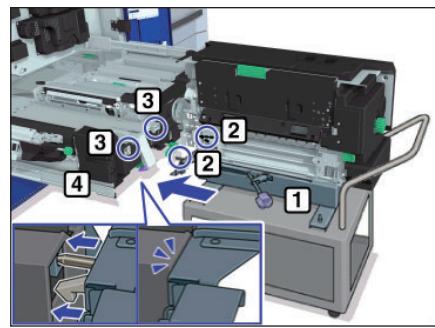
- (4) Push down the lock release lever [2] of the loading wagon [1] to separate the loading wagon [1] from Fusing Conveyance Unit [3].



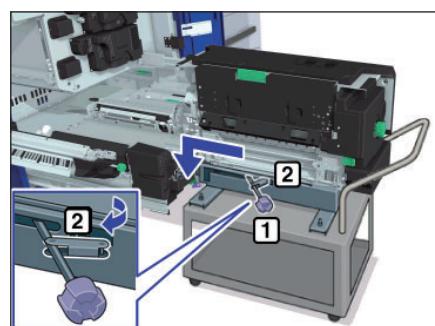
- (5) Insert the front side tabs [2] (2 pieces) of the loading wagon [1] that carries EF-106 to the holes [3] (2 positions) of the Fusing Conveyance Unit.
Push the loading wagon [1] to the Fusing Conveyance Unit [4], then check that the loading wagon [1] is surely fixed to the Fusing Conveyance Unit [4].

NOTICE

If Fusing Conveyance Unit and the loading wagon are not connected perfectly, EF-106 may fall when installing it to Fusing Conveyance Unit, please be careful. If the height of the loading wagon and Fusing Conveyance Unit don't match, please adjust the height of the loading wagon.



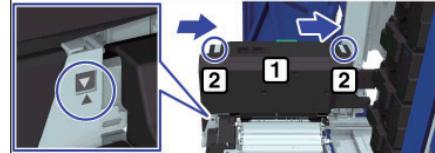
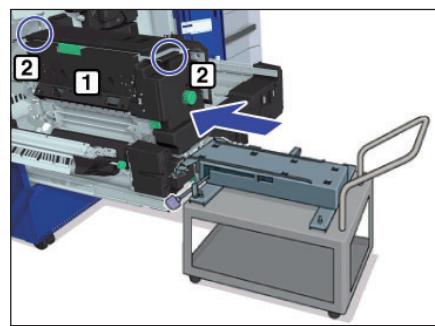
- (6) Release the lock metal parts [2] of the fusing unit fixing lever [1] of the loading wagon.
Slide the fusing unit fixing lever [1] to the left by fitting it to the groove, and lower it to return to the original position.



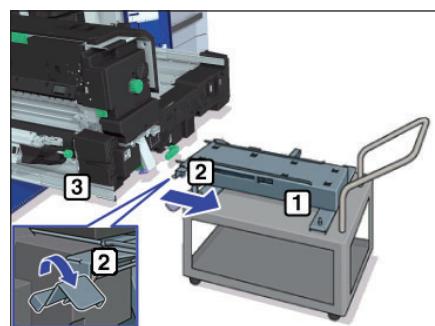
- (7) Holding the handles on the rear and front sides [2] of EF-106 [1], slide EF-106 [1] until the arrow marks meet.

NOTICE

*To prevent unexpected accident, please push EF-106 softly.
When you slide EF-106 to the end, lock the 4 wheels of the loading wagon and hold the ADU release lever so that the Fusing Conveyance Unit does not move.*

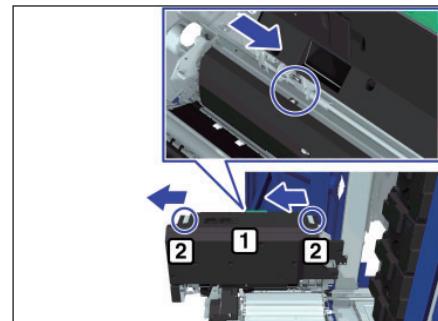


- (8) Push down the lock release lever [2] of the loading wagon [1] to separate the loading wagon [1] from Fusing Conveyance Unit [3].



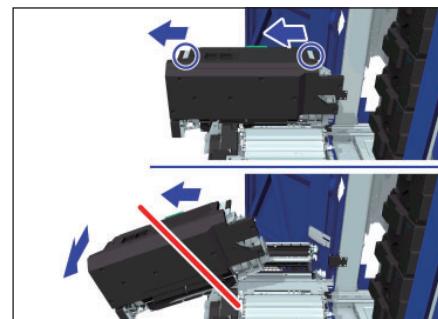
7 Replace the fusing units without using the special wagon.

- (1) Holding the handles [2] on the front and rear side of the fusing unit [1], slide the fusing unit [1] forward to the position of the arrow mark.



⚠ CAUTION

The fusing unit will fall if it is excessively pulled out. Please be careful.



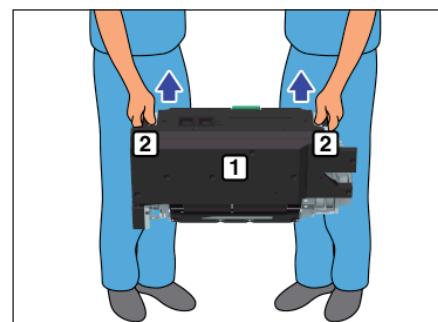
- (2) Hold the handles [2] on the front and rear side of the fusing unit [1] with two persons, then remove the fusing unit [1] and put it on the flat surface.

⚠ CAUTION

The fusing unit is heavy. Please be sure to work with two persons. (fusing unit weight is 40 kg)

NOTICE

Please be careful not to hit the fusing unit to the paper exit guide.



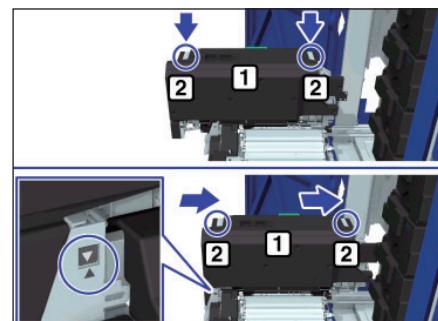
- (3) Hold the handles [2] on the front and rear side of EF-106 [1] with two persons, then set EF-106 [1] in the mounting position. Slide EF-106 [1] rearward until the arrow mark is positioned properly.

NOTICE

Please set EF-106 after checking that the fusing unit fixing plate is pulled out and the paper exit guide is opened.

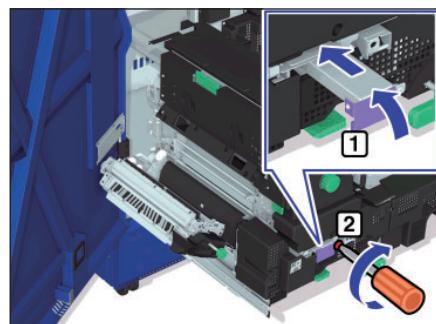
Please be careful not to hit EF-106 to the paper exit guide.

When you slide EF-106 to the end, hold the ADU release lever so that the Fusing Conveyance Unit does not move.

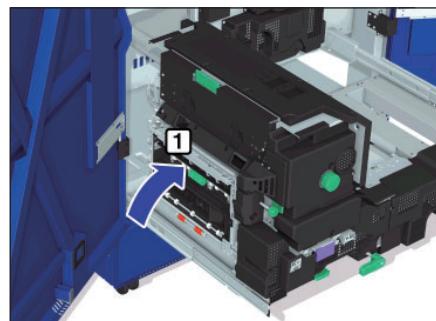


Check the Video

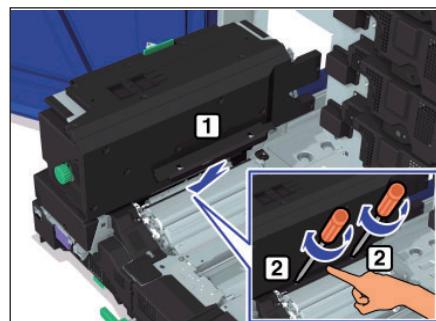
- 8 Set the fusing unit fixing plate [1] to the rear side, then fix it with the screw [2] (1 piece).



- 9 Close the paper exit guide [1] of the Fusing Conveyance Unit.



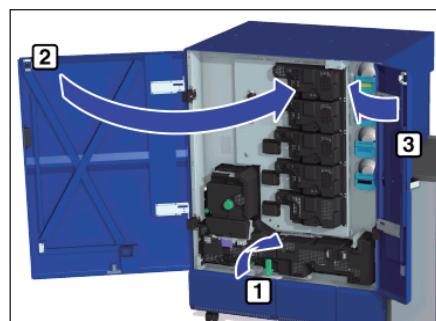
- 10 Fix the screws [2] (2 pieces) while pressing the pre-fusing guide [1] with your fingers.



- 11 Make sure to return the Fusing Conveyance Unit [1] to the main body.



- 12 Raise the ADU release lever [1] in clockwise direction, then close the left front door [2] and right front door [3] of the main body.



2.3.2 Installing Parts in the Tray (When PF-712/PF-713 is installed)

Depending on the size of the envelope to be used, the attached auxiliary guides need to be installed on Paper Feeder Unit PF-712/PF-713.

For details on the envelope size, refer to page 5-2.



Reference

For details on installation of the attached auxiliary guides, refer to the HTML user's guide.

NOTICE

Trays cannot be withdrawn when the machine is not powered. Plug the power cord of the machine into the outlet, turn on the main power switch, then the sub power switch before performing the installation.

3

Removing Fusing Unit EF-106

3 Removing Fusing Unit EF-106

This section describes the procedures to remove EF-106 and the feed auxiliary parts for envelopes.

When using paper other than envelopes, follow the procedure below to replace the fusing unit and remove the parts installed in the tray.

3.1 Removal Procedures

3.1.1 Removing EF-106 from the Main Body

When you remove EF-106 from the main body, follow the installation procedure in reverse. For the installation procedure of EF-106 to the main body, please refer to page 2-3.

3.1.2 Removing Parts from the Tray (When PF-712/PF-713 is installed)

When you remove the side assist guides (2 pieces) installed on the tray 3, rear assist guide/Up (1 piece), and rear assist guide/Lw (1 piece), follow the installation procedure in reverse.



Reference

For details on installation of parts to the tray, refer to the HTML user's guide.

NOTICE

Trays cannot be withdrawn when the machine is not powered. Plug the power cord of the machine into the outlet, turn on the main power switch, then the sub power switch before removing parts from the tray.

4

Copy/Print Operation

4 Copy/Print Operation

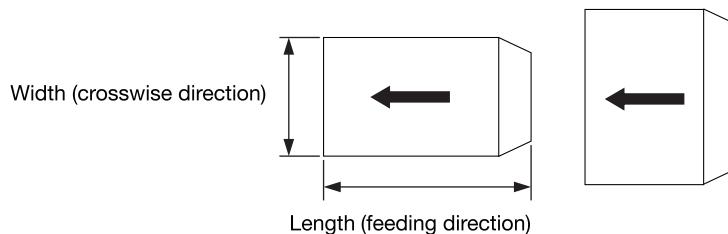
This section describes how to load envelopes in the tray with the parts for envelopes installed, and to copy/print onto those envelopes.

4.1 Loading Envelopes in the Tray

Envelopes with the following specifications can be loaded in the tray.

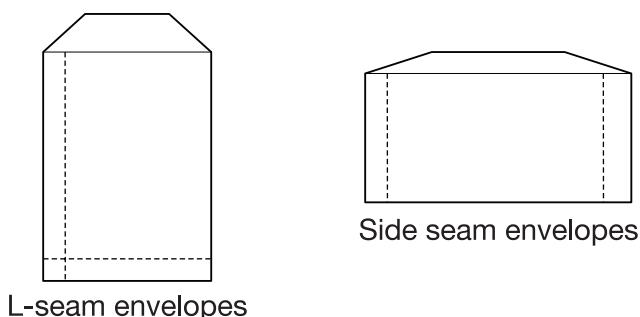
Paper size	Width: 100 to 245 mm (3.92" to 9.63"), Length: 148 to 375 mm (5.82" to 14.73") • Use auxiliary guides to load envelopes of 100 to 140 mm (3.92" to 5.50") in width.
Paper weight	70 to 100 g/m ² (19 to 27 lb Bond)
Tray capacity	Paper tray: 100 sheets
Unsuitable envelopes	Envelopes with a film window Envelopes with a double-stick tape or release coated paper on the flap

Open the flap and position it on the trailing side in feeding direction.



NOTICE

It is recommended to use L-seam or side seam envelopes; the print results may be blurred if tabs overlap with the print side.

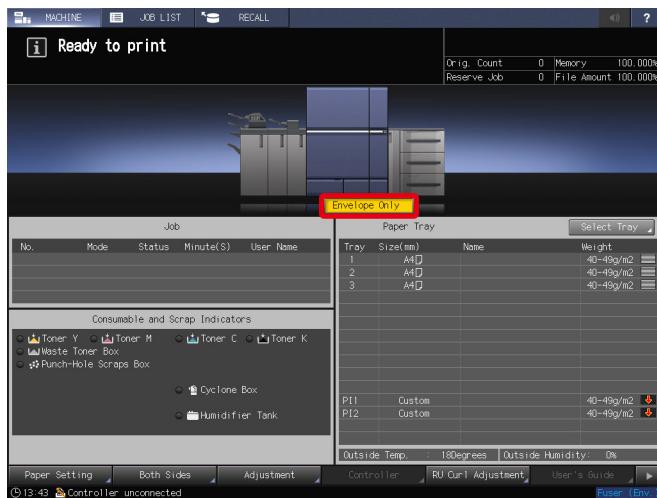


Reference

For details on how to load paper in the tray, refer to the HTML user's guide.

4.2 Copy Operation

With the EF-106 installed, "Envelope Only" is displayed on the MACHINE screen.



In order to copy on envelopes, the paper setting for the tray must be modified from [Paper Setting] on the Machine Screen or [Paper Setting] on the Copy Screen.

For copying, Paper Feeder Unit PF-713 as an option is needed.



Reference

For details on Paper Setting, how to load originals, and how to make copy settings, refer to the HTML user's guide.

4.3 Print Operation

The operation varies depending on the type of your operation system and printer driver.



Reference

For details on Print Operation, refer to the HTML user's guide and the each controller user's guide.

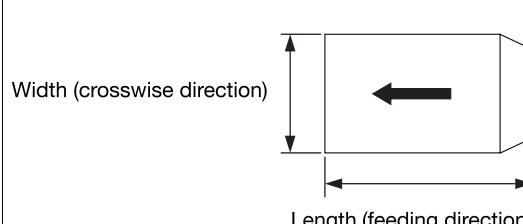
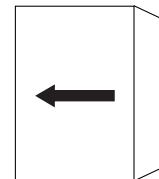


5

Specifications

5 Specifications

5.1 Specifications of Fusing Unit EF-106

Name	EF-106																														
Type	Fusing unit exclusively used for printing on envelopes																														
Feeding reference point	Center																														
Paper weight	70 to 100 g/m ² (19 to 27 lb Bond)																														
Envelope sizes	<ul style="list-style-type: none"> Available dimensions Width (crosswise direction): 100 to 245 mm (3.92" to 9.63") Auxiliary guide available range: 100 to 140 mm (3.92" to 5.50") Length (feeding direction): 148 to 375 mm (5.82" to 14.73") <p style="text-align: center;">Open the flap and position it on the trailing side in feeding direction.</p>   																														
	<ul style="list-style-type: none"> Recommended sizes <table border="1"> <thead> <tr> <th></th> <th>Size</th> <th>Width (mm)</th> <th>Length (mm) (Excluding flap)</th> </tr> </thead> <tbody> <tr> <td rowspan="2">North American standard</td> <td>6" x 9 - 1/2"</td> <td>241</td> <td>152</td> </tr> <tr> <td>5-3/4" x 8-7/8"</td> <td>226</td> <td>146</td> </tr> <tr> <td rowspan="2">ISO standard</td> <td>C5</td> <td>229</td> <td>162</td> </tr> <tr> <td>C6/C5</td> <td>229</td> <td>114</td> </tr> <tr> <td rowspan="3">Japanese standard</td> <td>K2</td> <td>240</td> <td>332</td> </tr> <tr> <td>N3</td> <td>120</td> <td>235</td> </tr> <tr> <td>Y0 (YN3)</td> <td>235</td> <td>120</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Unsuitable envelopes Envelopes with a film window Envelopes with a double-stick tape or release coated paper on the flap 				Size	Width (mm)	Length (mm) (Excluding flap)	North American standard	6" x 9 - 1/2"	241	152	5-3/4" x 8-7/8"	226	146	ISO standard	C5	229	162	C6/C5	229	114	Japanese standard	K2	240	332	N3	120	235	Y0 (YN3)	235	120
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Printing speed	C5: 116 sheets per minute (when AccurioPress C14000 is used), 100 sheets per minute (when AccurioPress C12000 is used) 6" x 9-1/2": 140 sheets per minute (when AccurioPress C14000 is used), 120 sheets per minute (when AccurioPress C12000 is used) * It may vary depending on paper types.																														
Tray capacity	Paper tray: 100 sheets Output tray: Approx. 100 sheets* (Output Tray FS-541/OT-512) For other output options, please contact your service representative. * It may vary depending on envelope types.																														
Dimensions	285.8 (W) x 784.3 (D) x 383.8 (H) mm (excluding projection portions)																														
Weight	40.0 kg																														
Power source	208-240VAC or 220-240VAC, 5 V/24 V/36 VDC (supplied from the main body)																														
Power consumption	6500 W																														



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