

Edition

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imagePRESS C800 /C700 /C60 Series

Canon U.S.A., Inc.



Technical

Workbook

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imagePRESS C800 Series Technical Workbook
1st Edition, October 2015

Technical Workbook

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Model Issues

This Technical Workbook is a compilation of previous Technical Publications and other sources for the imagePRESS C800 /C700 /C60 Series. Material in this Workbook may also cover topics such as the recommended Maintenance Procedures, Trouble-Shooting Tips to address General Paper Handling as well as other technical or End User topics.

This portion of the Technical Workbook material will focus on known issues for the imagePRESS C800 /C700 /C60 Series that you should be aware of. Remember that Product Knowledge is one of the guidelines of a strong Troubleshooting Game Plan.

Adjustment of Image Registration

First, all Image Position Adjustments are referenced to Magenta. So, first make certain that Magenta Image Quality is at its best in this regard. Next, the levelness of the floor can negatively affect the Image Position. If the engine is moved even a few inches it can affect Image Registration. The Image Registration and Position Adjustments are executed based on the premises that the Media or Paper is cut to the appropriate size and is square. It is also based on the foundation that the four (4) corners of the paper are at a right angle.

The subsequent Medias are recommended for the Image Registration Adjustment: 1

- GF-C081 81.4 g/m²
- OK Top Coated + 128 g/m²
- Hammermill Color Copy Digital 28lb 105 g/m²
- CANON-OCE TOP COLOR 100 g/m²

It is also acceptable to use Media which an End User utilizes frequently to perform the Image Position Adjustment.



IMPORTANT!

Do not use Recycled Paper, Textured Paper, or Vellum Paper. Variation in feed performance is more likely to occur with these type Medias. Use of these type media can result in a flawed Image Position Adjustment.

When performing the Image Registration Adjustments Canon U.S.A., Inc. strongly recommends performing the subsequent Procedures:

- Standard Value Of Left Edge Margin (Mechanical Adjustment for Cassette, Execute with all paper sources)
- Standard Value of Leading Edge Skew
- Standard Value of Leading Edge Right angle (based on an assumption that right angle accuracy of paper is correct)
- Standard Value of Trapezoid
- Magnification Ratio in Horizontal Scanning Direction
- Magnification Ratio in Vertical Scanning Direction
- Standard Value of Left Edge Margin/Leading Edge Margin (1st side/2nd side: Software Adjustment)

¹ [For the detailed procedure for the Image Registration Adjustment, please reference the Adjustment for Image Registration in the Appendix, or in the imagePRESS C800 Series Service Manual, Chapter 9, Installation > Installing the Host Machine > Image Position Adjustment > Checking/ Adjusting.](#)

Image Position Adjustment

The Image Position Adjustment ² is very important and many factors are involved. As previously mentioned, all Image Position Adjustments are referenced to Magenta. So again, first make certain that Magenta Image Quality is at its best in this regard. Again, the levelness of the floor can negatively affect the Image Position. If the Engine has been moved, even a few inches, it can affect the Image Position. Furthermore, routine procedures like removal and re-installing the Registration Assembly can negatively affect the Image Position. The Image Position Adjustment should be performed if any of these situations are encountered.

The subsequent Medias are recommended for the Image Position Adjustment:

- GF-C081 81.4 g/m²
- OK Top Coated + 128 g/m²
- Hammermill Color Copy Digital 28lb 105 g/m²
- CANON-OCE TOP COLOR 100 g/m²

It is also acceptable to use Media which an End User utilizes frequently to perform the Image Position Adjustment.



IMPORTANT!

Do not use Recycled Paper, Textured Paper, or Vellum Paper. Variation in feed performance is more likely to occur with these type Medias. Use of these type media can result in a flawed Image Position Adjustment.

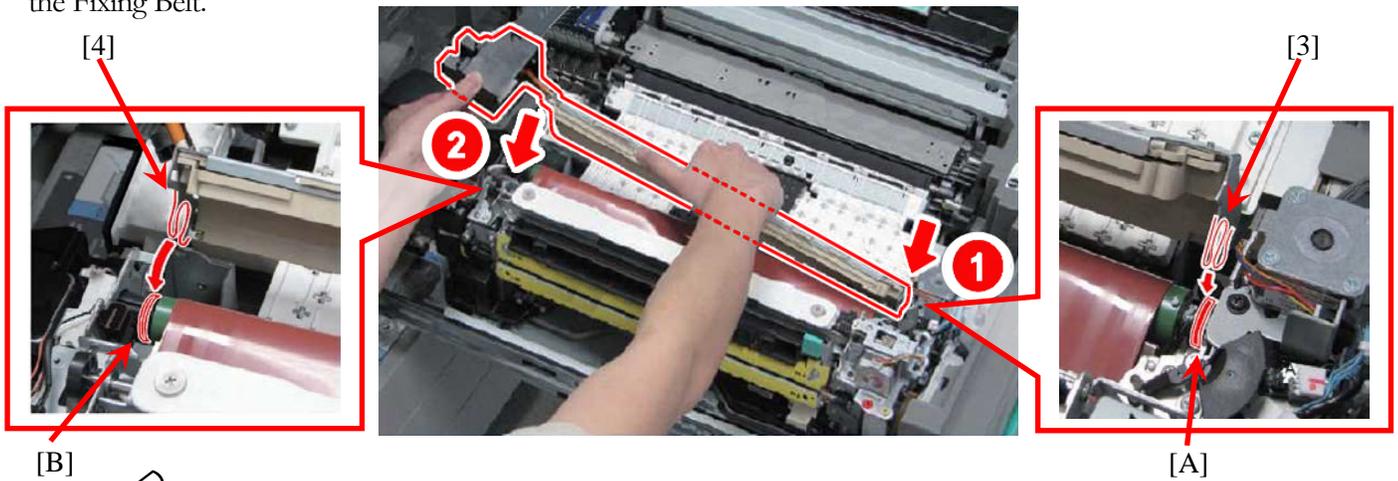
When performing the Image Position Adjustment, Canon U.S.A, Inc. strongly recommends performing the subsequent Procedures:

- Adjusting the Image Position
- Correct Image Misalignment
- Correct Distortion (Parallelogram)
- Correct Distortion (Trapezoid)
- Adjusting the Zoom Ratio of the Image
- Adjusting Left Edge Alignment of the Image
- Adjusting Lead Edge Alignment of the Image

² For the detailed procedure for the Image Position Adjustment, please reference the *Adjustment for the Image Position in the Appendix*, or in the *imagePRESS C800 Series Service Manual, Chapter 5 Adjustment > Basic Adjustment > Image Position Adjustment > Checking/ Adjusting* or *Chapter 9, Installation > Installing the Host Machine > Image Position Adjustment > Checking/ Adjusting*.

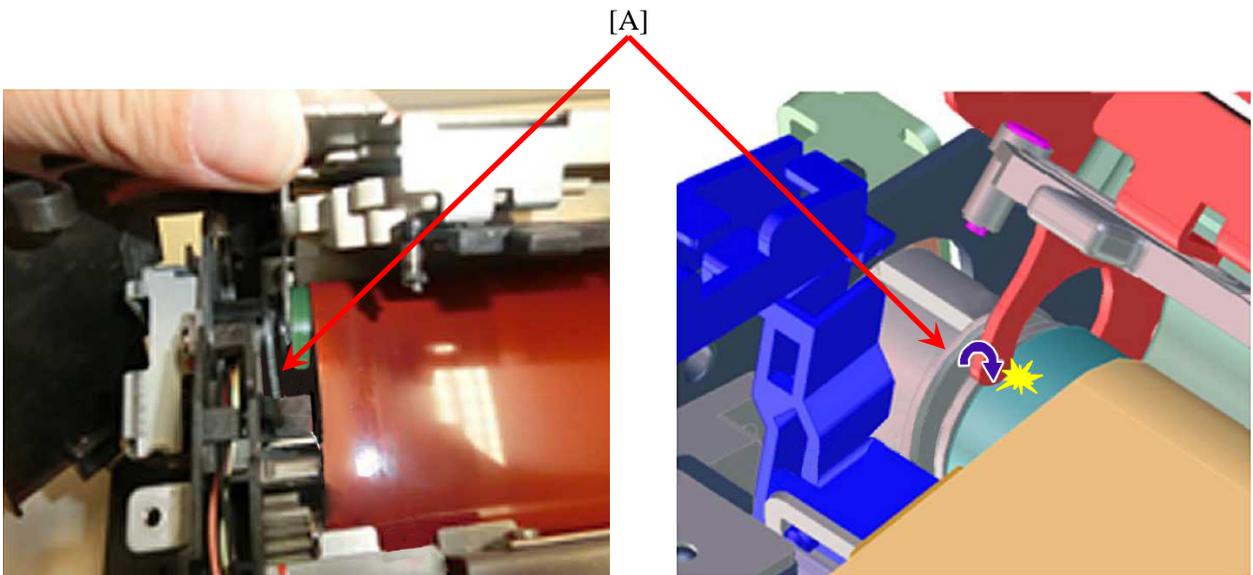
Use Care Removing / Mounting the Induction Heating Unit

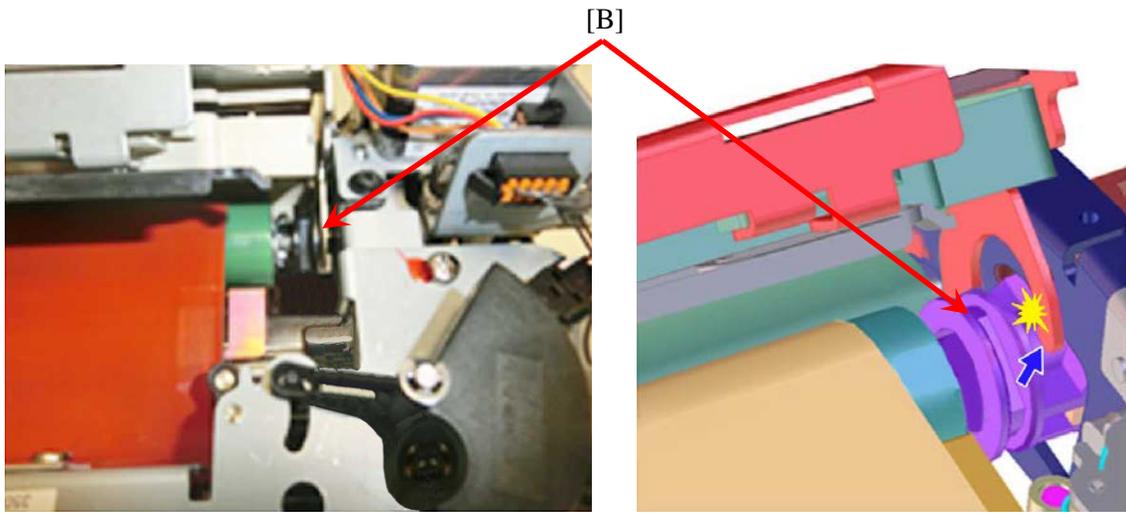
When the Induction Heating (IH) Unit is inserted into the Fixing Belt Unit, E007 Errors can result if care is not used. First, fit the Hook [3] into the Front Side [1] of the IH Unit to the Groove [A] on the Front Side of the Fixing Belt Unit, and then fit the Hook [4] into the Rear Side [2] to the Groove [B] on the Rear Side. As it is hard to see the Hook fit into the Groove, be careful not to let the Hook of the IH Unit come in contact with the Fixing Belt.



NOTE:

Do not let the hook deviate from the Groove [A] on the Rear Side of the IH Unit.





NOTE:

Do not let the Hook deviate from the Groove [B] on the Front Side of the IH Unit and run on the adjacent part as shown.

Use Care Mounting the Fixing Belt Displacement Control Motor Unit

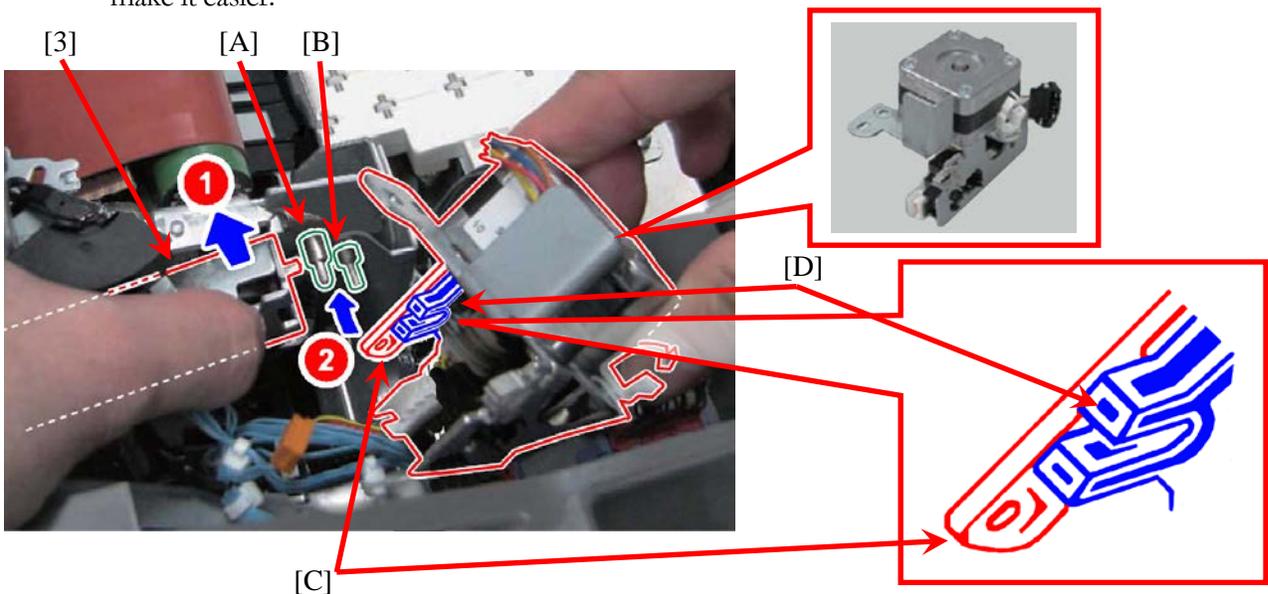
If the Fixing Belt Displacement Control Motor Unit [A] is not mounted properly, some likely issues that could occur are E007-0001, 0011, 0021.

- 1 Mount the Fixing Belt Displacement Control Motor Unit by connection of the Posts [A] and [B] to the Hole [C] and the Hook [D] of the Fixing Belt Displacement Control Motor Unit.

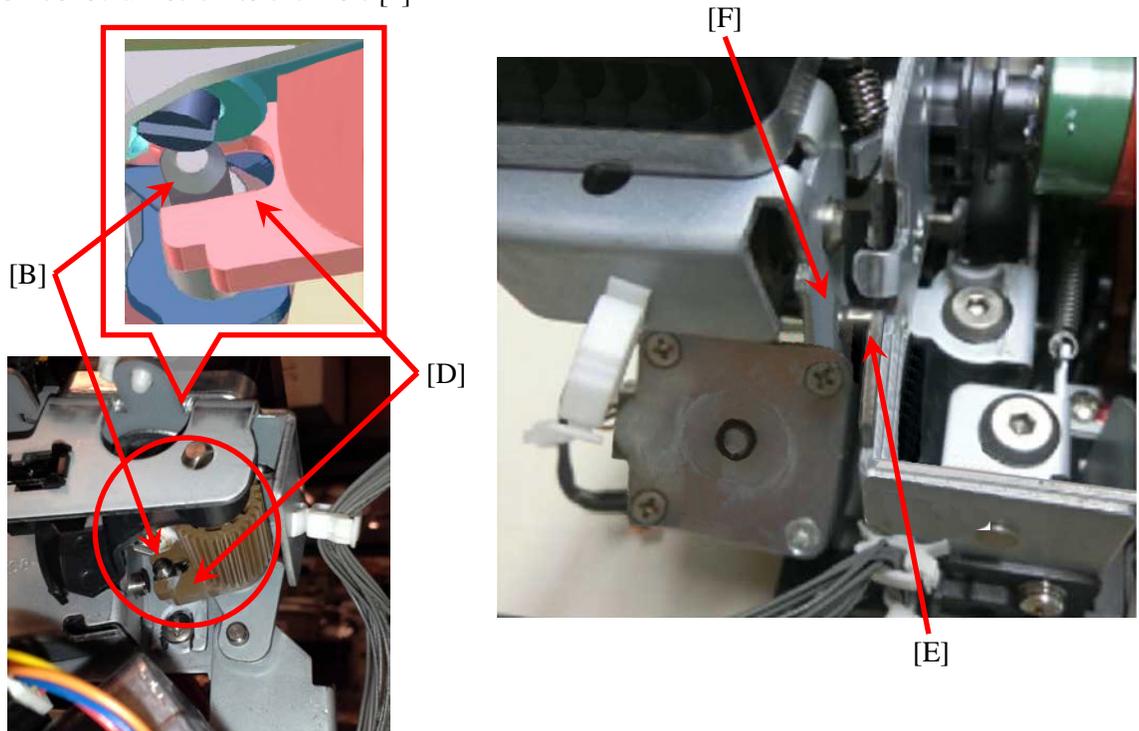


NOTE:

When mounting the Fixing Belt Displacement Control Motor Unit, use care not to touch the Fixing Belt. When positioning the Hook [D], and the Post [B], move the Tension Arm [3] to make it easier.



2) Fit the Post [B] of the Fixing Belt Unit into the Plastic U-Shaped Hole [D] of the Hook. The Post [E] on the Fixing Belt Unit should insert into the Hole [F].

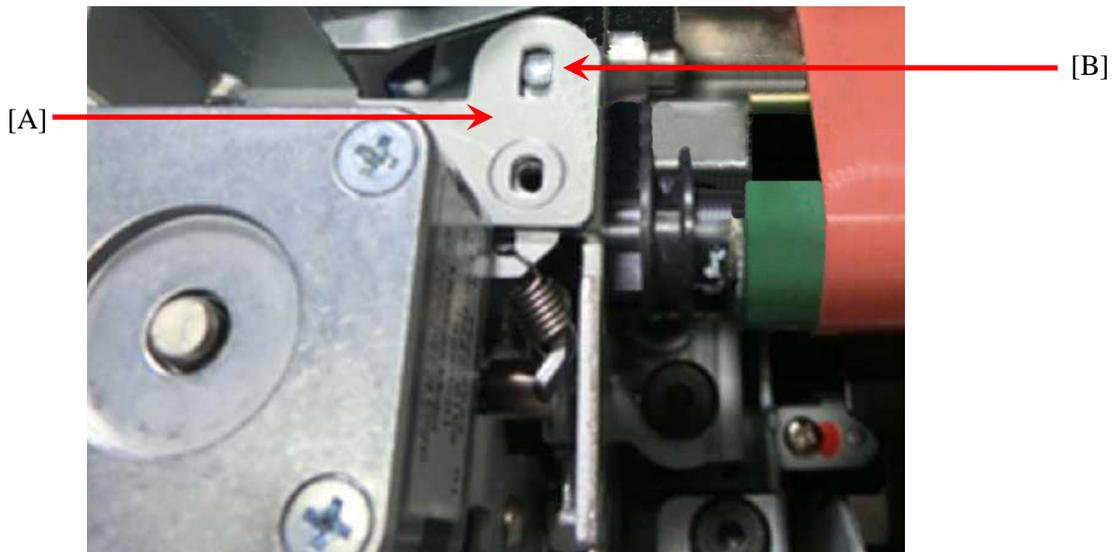


3) Place the Fixing Belt Displacement Control Motor Unit over the Boss on the Fixing Belt Unit and secure them with a New Screw. Be sure that the Metal Plate [A] of the Fixing Belt Unit does not rest on top of the Boss [B] on the Fixing Belt Displacement Control Motor Unit.



IMPORTANT!

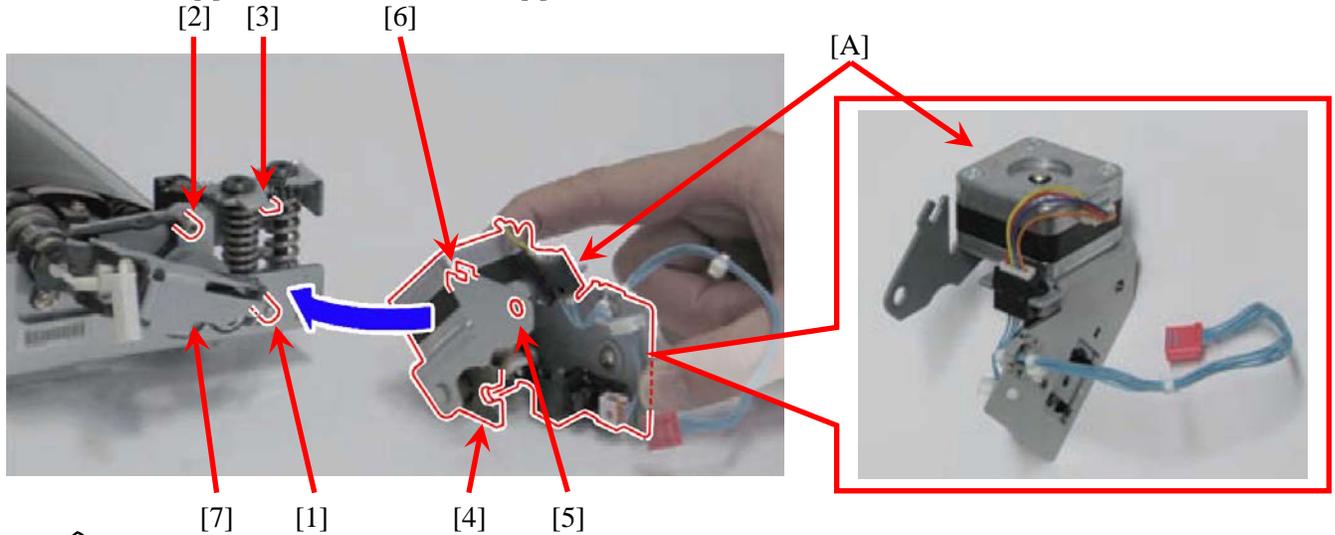
When attaching the Fixing Belt Displacement Control Motor Unit to the Fixing Belt Unit, always use a New Screw. The Screw used to attach the Fixing Belt Displacement Control Motor Unit should not be reused once it is removed!



Use Care Mounting the Pressure Belt Displacement Control Motor Unit

If the Pressure Belt Displacement Control Motor Unit [A] is not mounted properly, some prospective issues that could develop are E007-0012, 0022, and 0102.

1) Mount the Pressure Belt Displacement Control Motor Unit by fitting the Posts [1], [2] and the Positioning Boss [3] on the Pressure Belt Unit to the Hook [4], the Hole [5], and the Positioning Cutout [6] on the Pressure Belt Displacement Control Motor Unit. When positioning the Hook [4] and the Post [1], move the Tension Arm [7] to make it easier.

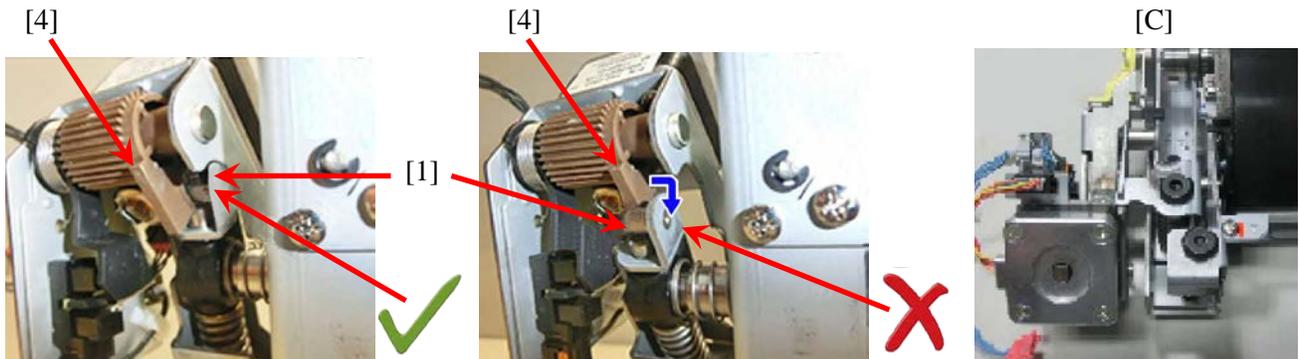


NOTE:

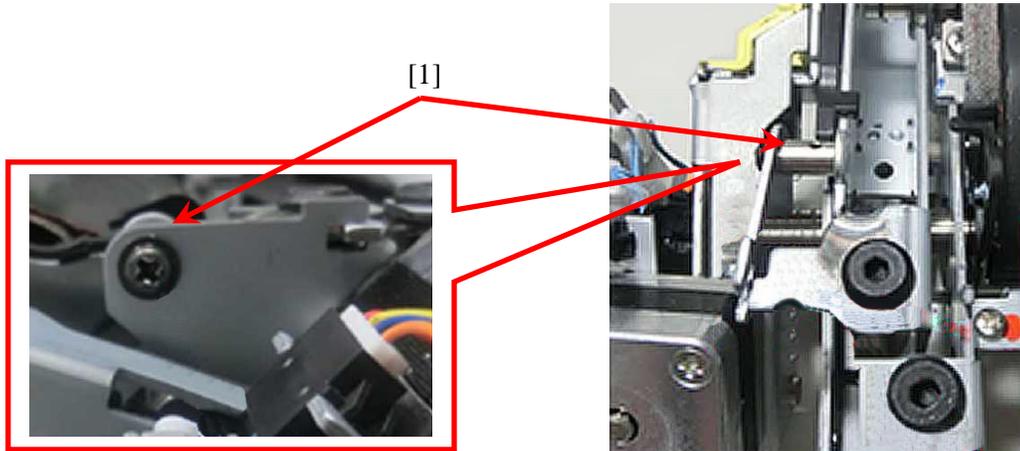
✓ Indicates the Shaft [1] is fitted to the Hook [4] properly.

✗ Indicates the Shaft [1] is disengaged from the Hook [4].

Use care because the Shaft appears as if it is fitted properly when it is looked from above [C], even when the Shaft is disengaged.

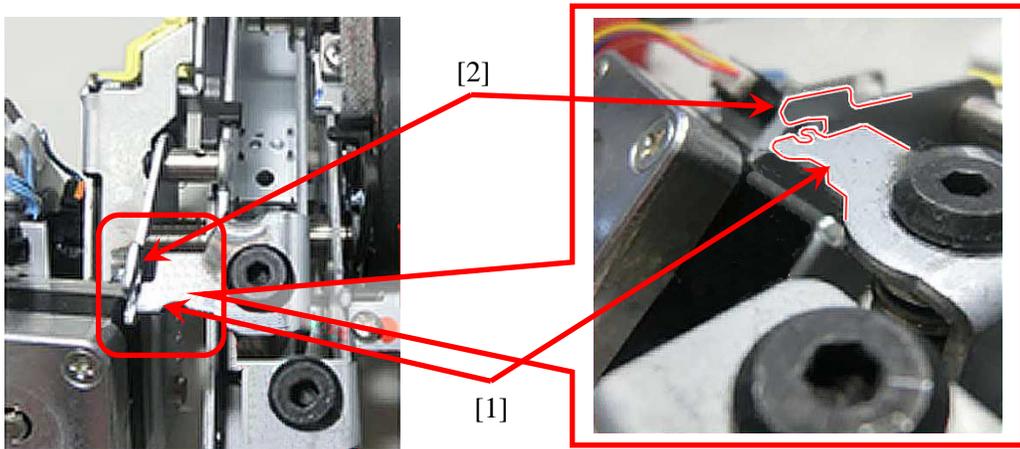


The Shaft [1] is not seated properly due to improper positioning when mounted. Use care because the Shaft appears as if it is fitted properly when it is looked at from the front [A].

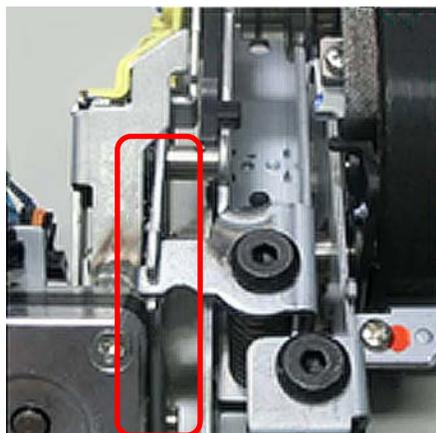


[A]

Use care to ensure the Positioning Hook [1] does not disengage from the Positioning Cutout [2] when joined together.



When engaged properly, there is no gap left between the Pressure Belt Unit and the Pressure Belt Displacement Control Motor Unit.



2) After positioning the Pressure Belt Displacement Control Motor Unit, fasten it with a New Screw.



IMPORTANT!

When attaching the Pressure Belt Displacement Control Motor Unit to the Pressure Belt Unit, always use a New Screw. The Screw used to attach the Pressure Belt Displacement Control Motor Unit should not be reused once it is removed!

Clearing the Fixing Belt Unit Counter

If the Fixing Belt Unit Counter is not cleared after component replacement, or if the Fixing Belt Unit is not mounted properly, some potential issues that could arise are E007-0001, 0011 and 0021.

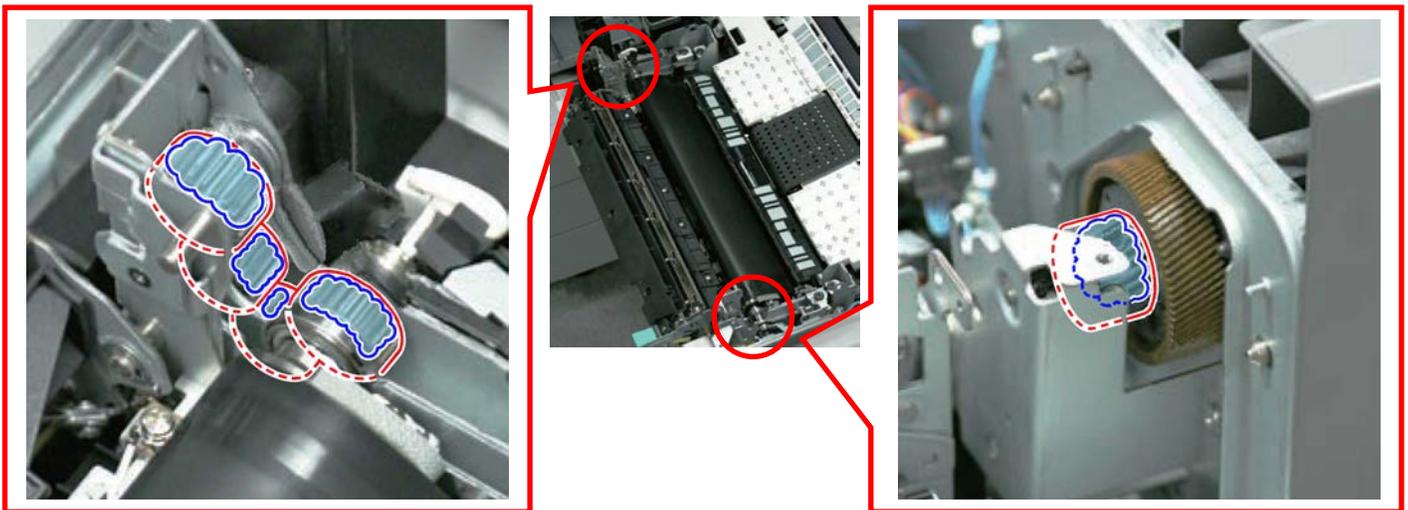
After replacement of the Fixing Belt Unit, performance of the Operation Check from Service Mode can suppress failures due to inadequate mounting, etc. Navigate to Service Mode: FUNCTION > FIXING > FIX-UHP and execute the operation check.



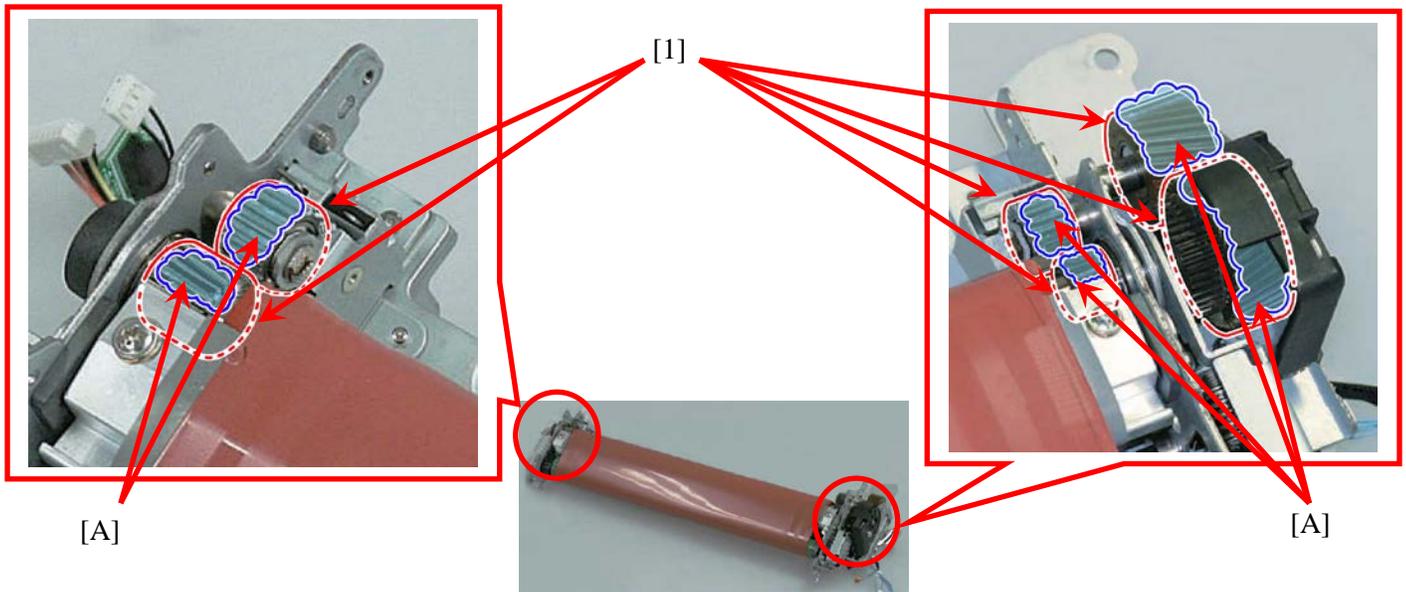
NOTE:

- Use care not to damage the Fixing Belt during mounting.
- After replacement of the Fixing Belt Unit, apply Grease (SE1107; FY9-6036-000) respectively to the four (4) Gears [1] on the Pressure Belt Unit and the Gear [2] of the Fixing Drive Assembly.

Amount of Grease to apply: about in an amount of five (5) grains of rice per Gear (approximately 100 mg).



If the Grease on the moving Gears [1] of the Fixing Belt Unit is depleted, apply the Grease (SE1107) onto entire circumference of the Gear [A] surfaces as needed.



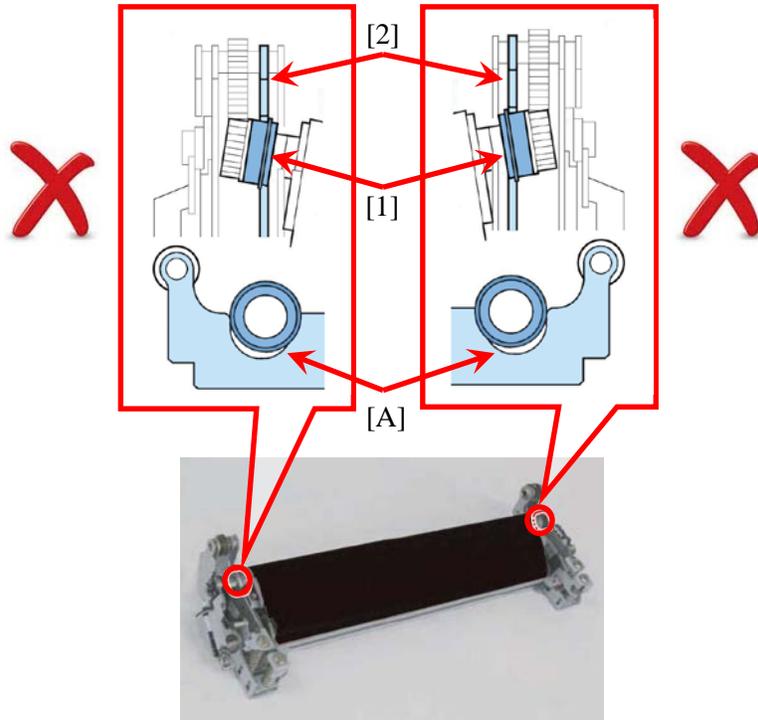
After replacement of the Fixing Belt Unit, be sure to execute Counter Clear for the unit. Navigate to Service Mode: `FUNCTION> DRBL-1 >FX-BLY-U "` to execute the Counter Clear. If a Count Clear is not executed, the data history before replacement of the unit is resumed. This can eventually result in E007-0001, 0011 and 0021 Errors.

Use Care When Mounting the Pressure Belt Unit

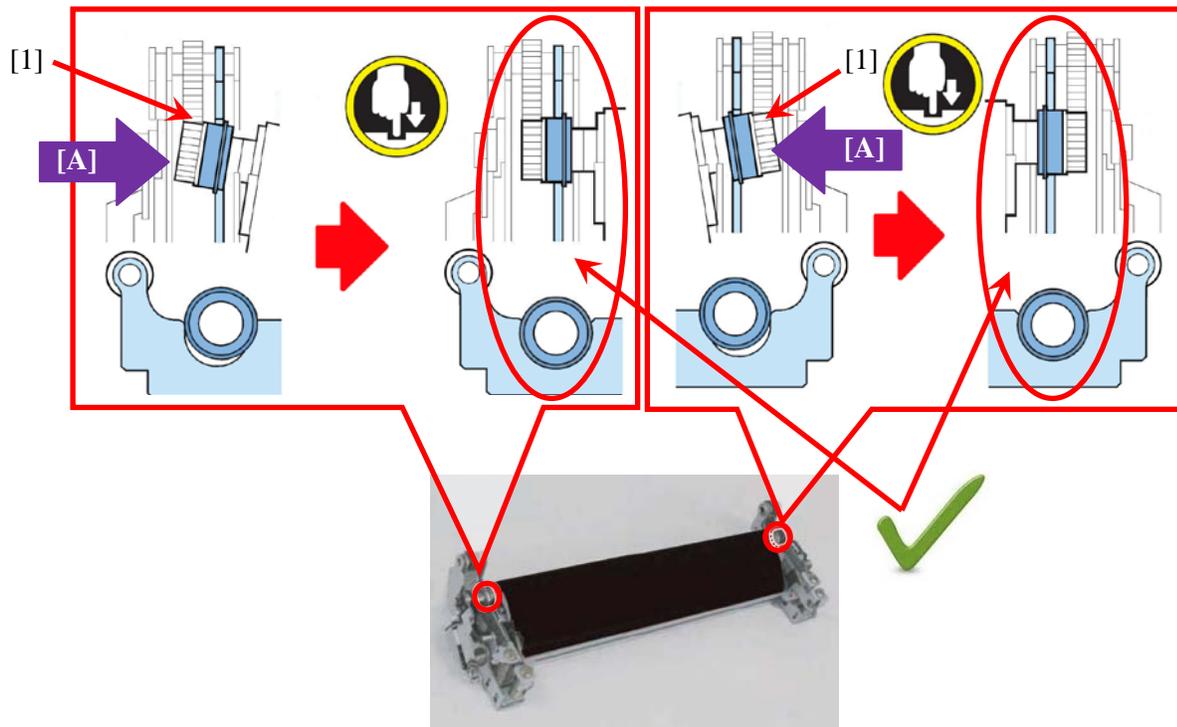
If the Pressure Belt Unit is not mounted properly, the issues which could develop are Faulty Images and E004-0101 Errors which result due to the breakage of the Halogen Heater.

- 1) Before mounting the Pressure Belt Unit, check if the Bearings at both ends of the Pressure Roller do not run on the Support Plate. If they do, correct their positions.

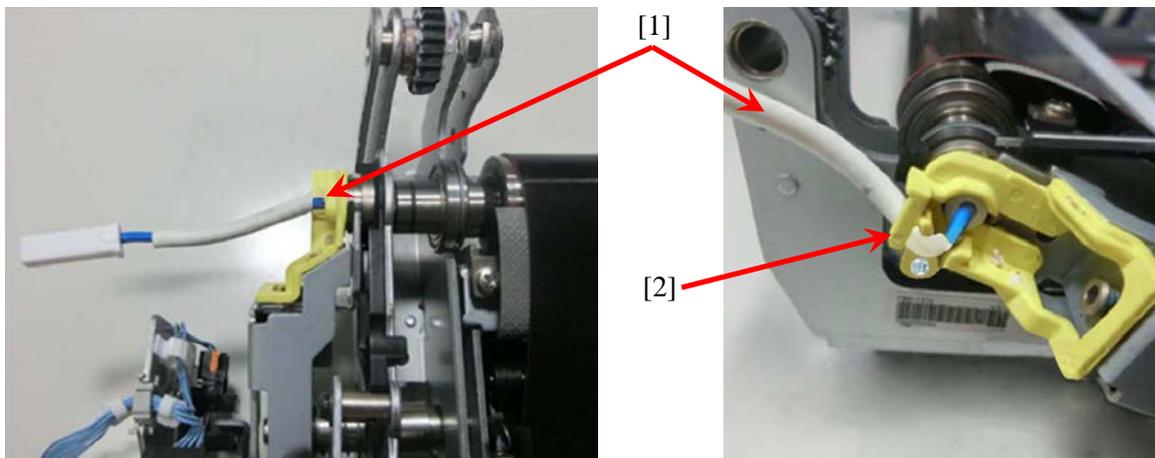
1-1) Look at the Pressure Belt Unit from its top and confirm if the Flange on the Bearing [1] is inside the Support Plate [2] and there is no gap [A] left between the Bearing and the Support Plate in side view.



1-2) If there is a gap, push the Bearing [1] from outside [A] to seat it in the correct position.



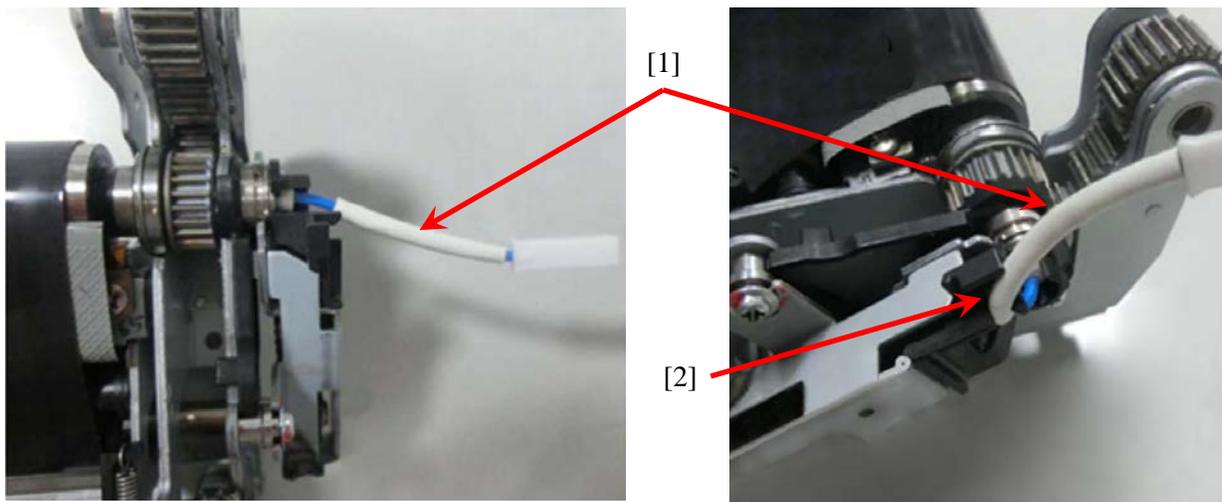
2) Remove all the curves from the Halogen Heater Cable [1] on the front side, straighten it, and put it through the Guide [2].



NOTE:

Use care not to mount the Halogen Heater twisted.

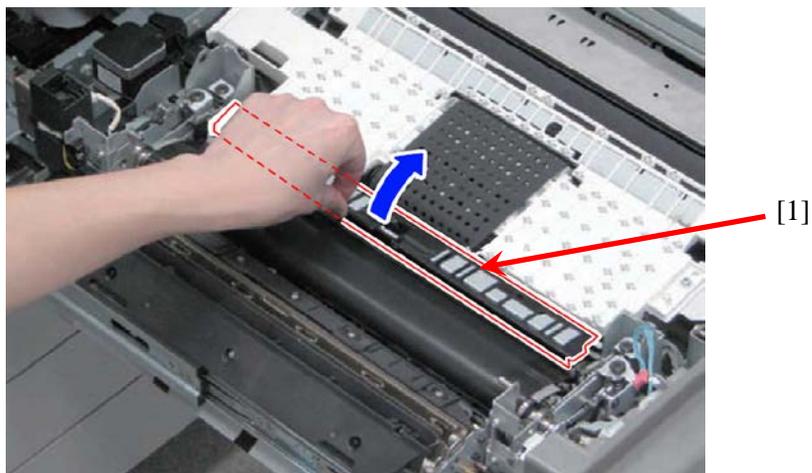
3) Remove all the curves from the Halogen Heater Cable [1] of the on the rear side, straighten it, and put it through the Guide [2].



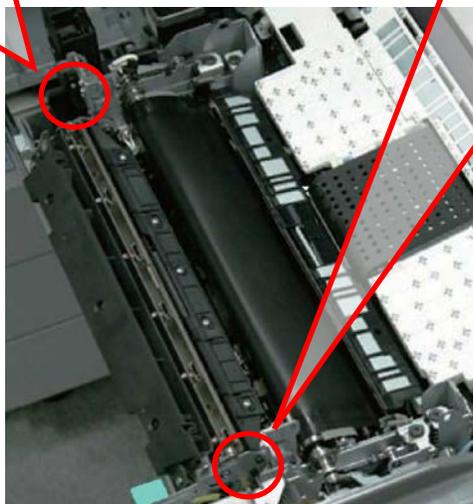
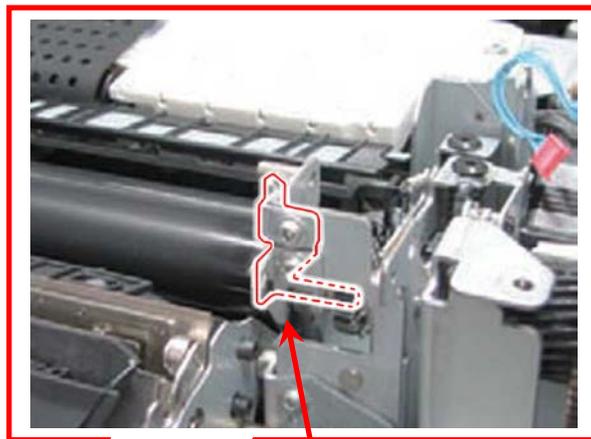
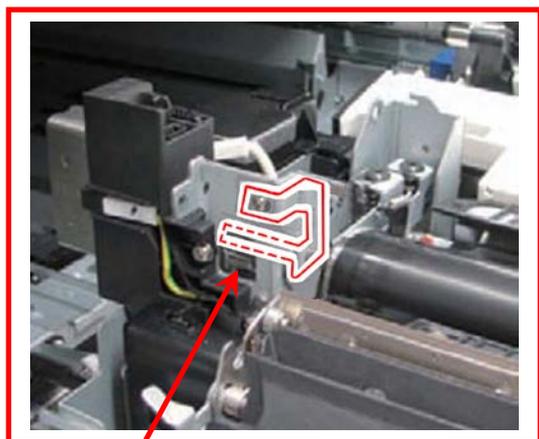
NOTE:

Use care not to mount the Halogen Heater twisted.

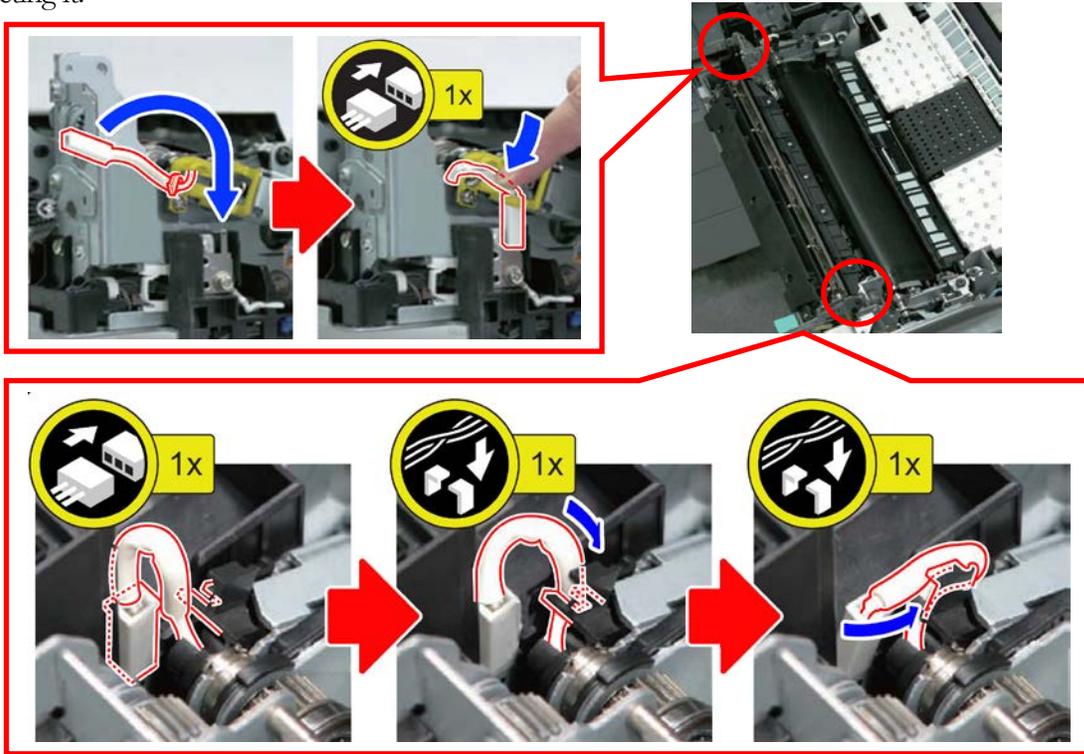
4) Open the Inlet Guide [1] of the Fixing Unit Frame.



5) Mount the Pressure Belt Unit. This will be easier if the Hinge Shaft [1] on the front side is mounted first, then the Hinge Shaft [2] on the rear side is mounted second.

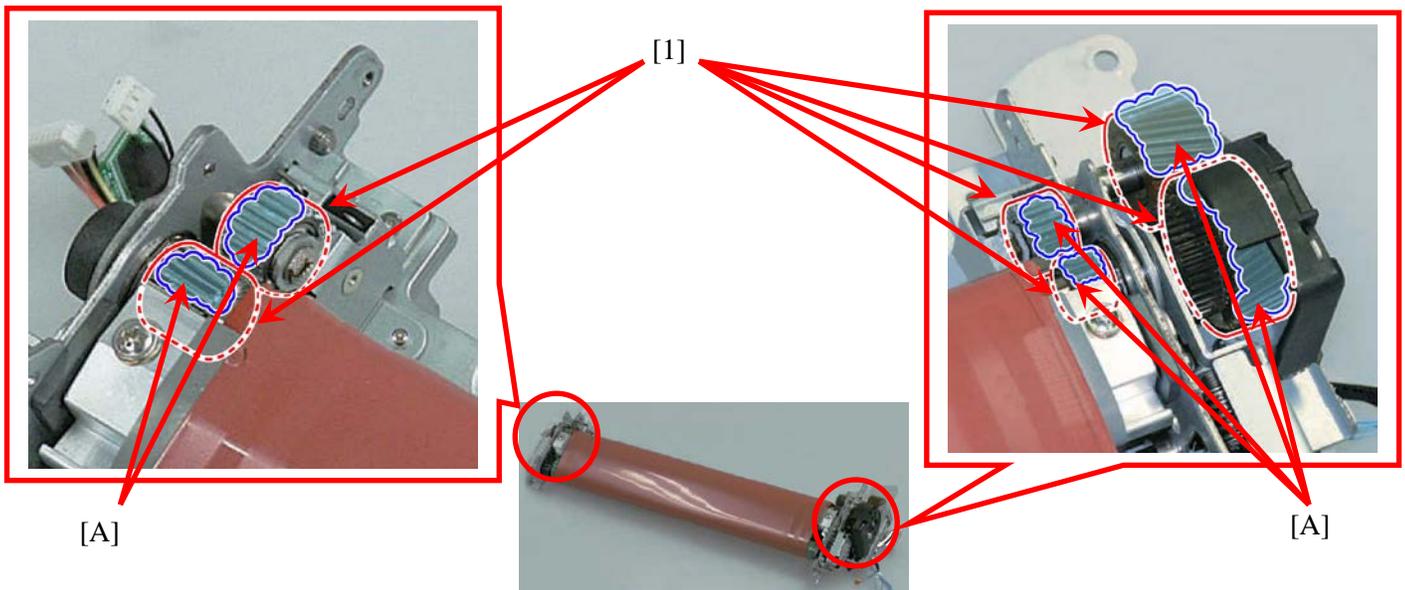


6) Connect the Halogen Heater at the two (2) locations. Use care not to insert the Halogen Heater twisted while connecting it.

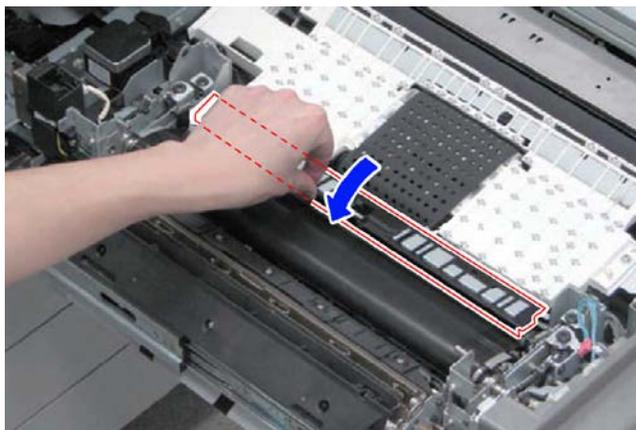


NOTE:

- Use care not to damage the Pressure Belt during mounting.
- After replacement of the Pressure Belt Unit, Apply Grease (SE1107) respectively to the six (6) Gears [1] on the Fixing Belt Unit and the Gear [2] of the Fixing Drive Assembly. Amount to apply: about five (5) grains of rice per Gear (approximately 100 mg). Area of application: entire circumference of the Gear [A] and Teeth surface.



7) Close the Inlet Guide of the Fixing Unit Frame.



NOTE:

If the Inlet Guide is left open, a stationary paper jam is incorrectly reported.

8) Navigate to Service Mode "FUNCTION > DRBL-1 > FX-BLT-L" and execute Counter Clear for the Pressure Belt Unit.



NOTE:

After replacement of the Pressure Belt Unit, be sure to execute the Counter Clear for the unit. If a Counter Clear is not executed, the data history of the unit before replacement is resumed. This can eventually result in an E008-0001 Error after 10,000 prints.

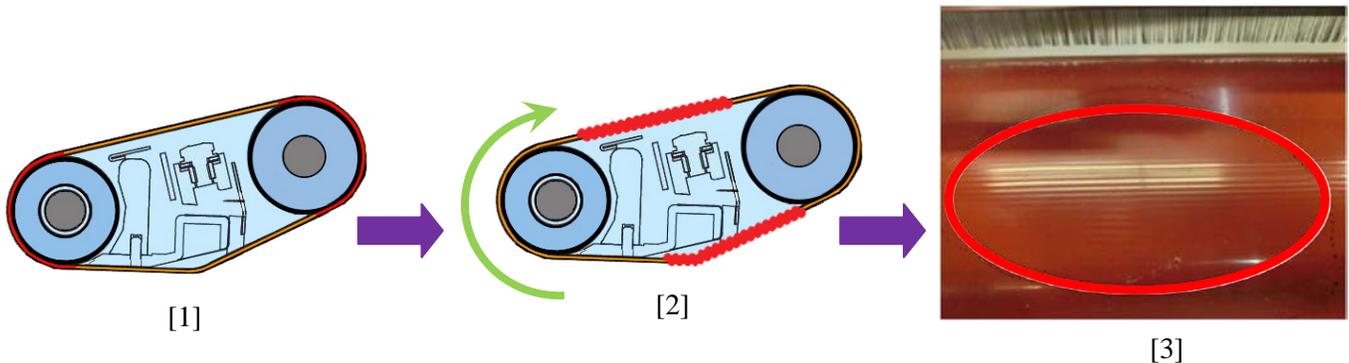
How to Adjust Pressure for Fixing Nip

Navigate to, then execute, Service Mode (Level 2) > COPIER > OPTION > IMG-FIX:

IMG -FIX >	Description	Media
NIP-DWN1	Pressure Adjustment of Fixing Nip 1	Non-Coated Paper (52 to 150 g/m ²), Coated Paper (106 to 220 g/m ²) Textured Paper (80 to 180 g/m ²) Transparencies Labels
NIP-DWN2	Pressure Adjustment of Fixing Nip 2	Large Size Non-Coated Paper (151 to 300 g/m ²) Coated Paper (221 to 300 g/m ²) Textured Paper (181 to 300 g/m ²)
NIP-DWN3	Pressure Adjustment of Fixing Nip 3	Postcard Envelope Small Size Non-Coated Paper (151 to 300 g/m ²) Coated Paper (221 to 300 g/m ²) Textured Paper (181 to 300 g/m ²)

Creases on the Fixing Belt

Expanded from heat under normal circumstances, the Fixing Belt shrinks slightly when it cools. The Tension for the Fixing Belt is kept constant by the Tension Roller. When the Fixing Belt cools off, the portion of the Fixing Belt which is in contact with the Tension Roller and the Fixing Roller hardens without shrinkage [1]. When the Fixing Belt begins to turn again, the portions of the Fixing Belt that were in contact with Tension Roller and Fixing Roller move off the Rollers [2] and the Wrinkles appear on the Fixing Belt [3].



This symptom dissipates shortly after the Fixing Belt is reheated, and it continues to rotate. Therefore it does not affect the Image Quality in a negative way. Consequently, replacement of the Fixing Belt is not necessary. As these Wrinkles seldom cause any hindrance, inspect for other factors if an Image Quality or another Fixing Issue arises.

Introduction of Quality Assurance Kits

In order to help reduce service time, and increase efficiency, each of the imagePRESS C800's Quality Assurance Kits have been created according to the engine's sub section and service part durability life.

Quality Assurance Kit ³	Part Number	Approximate Installation Interval		
		imagePRESS C800	imagePRESS C700	imagePRESS C60
IPR C800 CHARGING WIRE KIT	F02-6301-000	600,000	500,000	300,000
IPR C800 DEVELOPER KIT	F02-6303-000	750,000	750,000	750,000
IRADC90/IPRC800 BLK DRM CLN	F02-6103-010	1,000,000	900,000	400,000

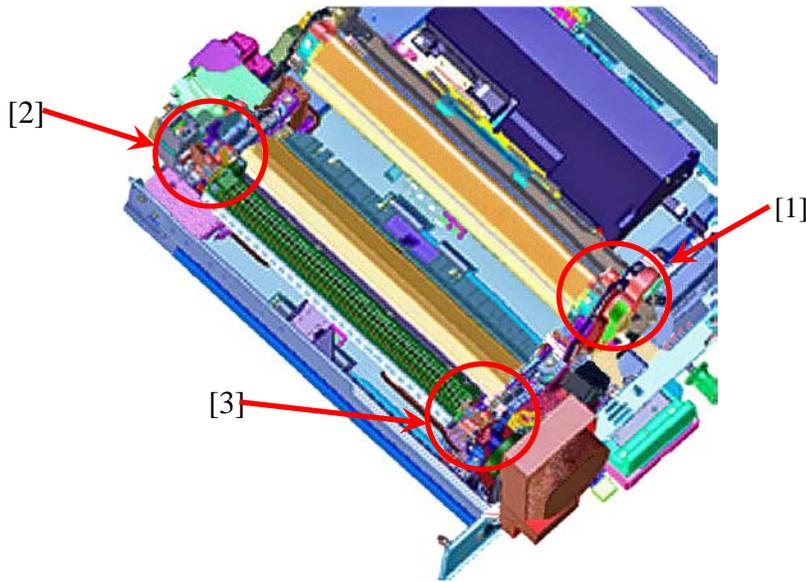
³ Please refer to TP15 257.pdf for more details on the imagePRESS C800 Series Quality Assurance Kits.

Model Troubleshooting

This portion of the Technical Workbook material for the imagePRESS C800 /C700 /C60 Series will focus Troubleshooting. It is intended to assist to isolate the source of the problem, and define a plan of action. With the use of previously published documentation it will provide guideline for a strong Troubleshooting Game Plan.

E008-0001: Pressure Belt Unit Service Life Detection Error

An E008-0001 Error Code occurs when the amount of current for the Fixing Motor (M48) has reached a precise specified value due to increased torque on the Pressure Belt. Most of the cases are attributed to the deficiency of the Lubricant inside the Pressure Belt. In most cases when the symptom has occurred, the Fixing Belt Unit is often still usable. CUSA recommends replacement of the Pressure Belt Unit only. Do not to replace the Fixing Belt Unit at this time. Inspect the Fixing Belt Unit Gear area [1], the Pressure Belt Unit Gear area [2] and the Fixing Drive Gear area [3], and if no damage is found, then only replace the Pressure Belt Unit.



Perform the subsequent steps in order to ensure that the E008-0001 Error Code does not occur any more after each of the steps.

- 1) Inspect if the Current Value in Service Mode Level2: COPIER> DISPLAY> FIXING> FX-MTR5).

Display	F/O	Adjust	Function	Option	Test	Counter
< FIXING > < 1/ 2 > <WAITING > < LEVEL 2 >						
FX-MTR2	168	162	0	0		
FX-MTR3	117	115	0	0		
FX-MTR4	82	80	0	0		
FX-MTR5	53	53	53	53		
FX-U-STR	0	0	0	0		
FX-U-TM1	10126786					
FX-U-TM2	21076					
FX-U-TM3	1782					

* The Current Value refers to the figure at the left end. The figures are displayed in the order of "Maximum Value", "Present Value", "Maximum Value before Replacement" and "Final Value after Replacement". A typical Current Value for FX-MTR5 under load should be ≤ 90 (0.9A).

1-a) When the Current Value is ≤ 90 (though the pressure is released and the load onto the Pressure Belt Unit is small), inspect the three (3) subsequent elements:

- a-1. Inspect the life of the Pressure Belt Unit and if it is reaching its life, replace the Pressure Belt Unit.
- a-2. Inspect the Fixing Units Drive System Gear and if any abnormality such as breakage is found, replace the Gear.
- a-3. Inspect the Fixing Motor (M48) and if any abnormality is found, replace the Fixing Motor.

1-b) When the Current Value is ≥ 90 (though the pressure is released, the load onto the Pressure Belt Unit is large), inspect the subsequent three elements:

- b-1. Inspect the Fixing Units Drive System Gear and if any abnormality such as breakage is found, replace the Gear.
- b-2. Inspect the Fixing Motor (M48) and if any abnormality is found, replace the Fixing Motor.
- b-3. Inspect the Relay PCB and if any abnormality is found, replace the Relay PCB.

2) After any of the aforementioned remedies, navigate to Service Mode > COPIER > FUNCTION > CLEAR > FX-L-CLR and clear the Current Value for the Fixing Motor.



NOTE:

- When the Pressure Belt Unit is replaced, perform "Adjustment on replacing the Pressure Belt Unit" in Situation Mode.
- After replacement of the Fixing Motor, clear "COPIER> FUNCTION> CLEAR> FX-L-CLR".

E008-0002 / E008-0003: Fixing Belt Unit Life Detection Error

An E008-002 Error will occur when the total rotation time of the Fixing Belt has reached the predetermined hours for the Fixing Belts life. If a counter clear has not been executed after replacing the Fixing Belt Unit this error will occur. Make certain to clear the counter and perform "Adjustment on replacing the Fixing Belt Unit" in Situation Mode when the Fixing Belt Unit is replaced.

E007-0101: Fixing Belt Home Position Detection Error

An E007-0101 Error seldom occurs due to an abnormality of the Fixing Belt Unit however, it can occur due to an abnormality of the Fixing Belt Displacement Control Motor Unit. If an E007-0101 has occurred, check the mounting of the Fixing Belt Displacement Control Motor Unit and replace it if needed using the subsequent procedure.

- 1) Inspect the mounting of the Fixing Belt Displacement Control Motor Unit and re-mount it properly if any abnormality is found.

- 2) Inspect the Connectors from the Fixing Belt Displacement Control Motor Unit to the Fixing Feeding Driver PCB. Look for loose Connectors and Bent Pins. Fasten the Connectors if a disconnection is found or connect the Connectors again if a Connector is not plugged.
- 3) Inspect the Fixing Belt HP Sensor Flag and replace it if any abnormality of appearance or a breakage is found.
- 4) If any of the procedures up to 3) does not work, replace the Fixing Belt HP Sensor (PS69).
- 5) If the step 4) does not work, replace the Fixing Belt Displacement Control Motor (M46).
- 6) If the step 5) does not work, replace the FIXING DRIVER PCB.
- 7) If the step 6) does not work, replace the DC Controller PCB.

E007-0102: Pressure Belt Home Position Detection Error

An E007-0102 Error is usually due to an abnormality in the Position Sensor in conjunction with motor motion in the Pressure Belt Displacement Control. Inspect to see if faulty mounting or abnormal connection of the Pressure Belt Unit by using the subsequent procedure. Do not replace the Pressure Belt Unit yet as this error is not normally due to an abnormality of the unit.

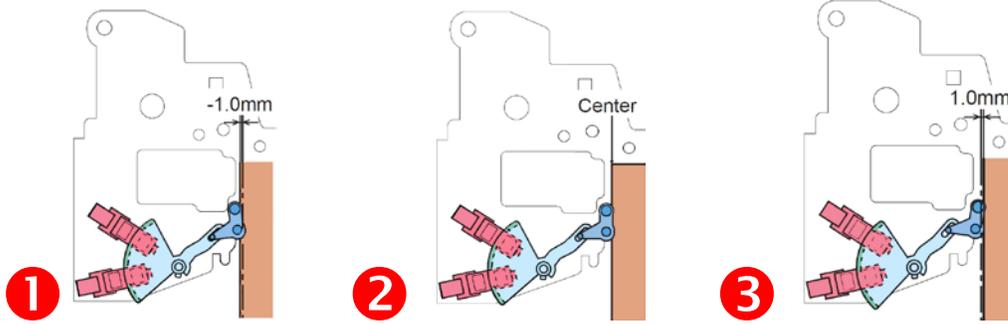
- 1) Inspect the mounting of the Pressure Belt Displacement Control Motor Unit and re-mount it properly if any abnormality is found.
- 2) Inspect the connection from the Pressure Belt Displacement Control Motor Unit to the Fixing Feeding Driver PCB. Look for loose connectors and bent pins. Fasten the connectors if a disconnection is found or connect the connectors again if a connector is not plugged.
- 3) Inspect the Pressure Belt HP Sensor Flag and replace it if an abnormality of appearance or a breakage is found.
- 4) If any of the procedures up to 3) does not work, replace the Pressure Belt HP Sensor (PS78).
- 5) If the step 4) does not work, replace the Pressure Belt Displacement Control Motor (M49).
- 6) If the step 5) does not work, replace the Fixing Driver PCB.
- 7) If the step 6) does not work, replace the DC Controller PCB.

E007-9902: Abnormality of the Pressure Belt Displacement

An E007-9902 Error usually occurs due to a failure or connection abnormality of the Pressure Belt Position Sensor 1 and 2.

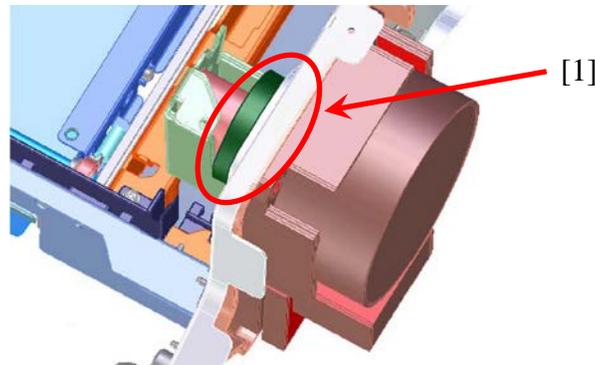
- 1) Check the connection of electrical parts and the detection situation of the Pressure Belt Position Sensor 1 and 2. If the value of Service Mode > DISPLAY > ANALOG > FX-L-POS is "0, 1, 1" or "1, 1, 1", the Pressure Belt Position Sensor 1 or 2 has connection abnormality or a failure.
- 2) Reconnect the connectors of the Pressure Belt Position Sensor 1 and 2 (PS76 and 77)
- 3) If reconnecting connectors does not work, check the cable and replace it if a disconnection is found.
- 4) If none of the above remedies works, replace the Pressure Stay Assembly.

		Sensor Position		
		1	2	3
		Front 1	Center	Rear 1
		-1.0 mm	0 mm	1.0 mm
Belt Position	Fixing Belt Position Sensor 1 (PS71)	ON	ON	OFF
	Pressure Belt Position Sensor 2 (PS72)	OFF	-	ON



E014-0001: Fixing Motor Error

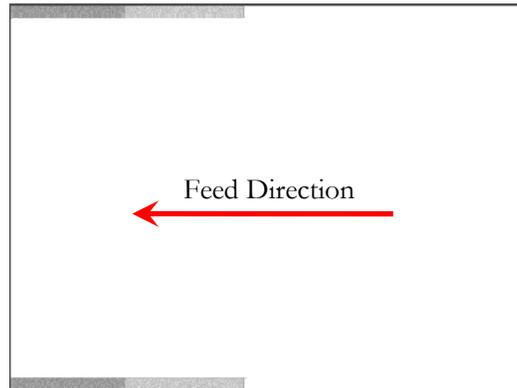
An E014-0001 Error occurs due to a failure or connection abnormality of the Fixing Motor and the Fixing Unit Drive System Gear [1]. Replacing the Fixing Belt Unit or the Pressure Belt Unit does not work in many cases, if no obvious abnormality is seen on the Fixing Belt Unit or the Pressure Belt Unit when this error has occurred. Handle it using the subsequent procedure.



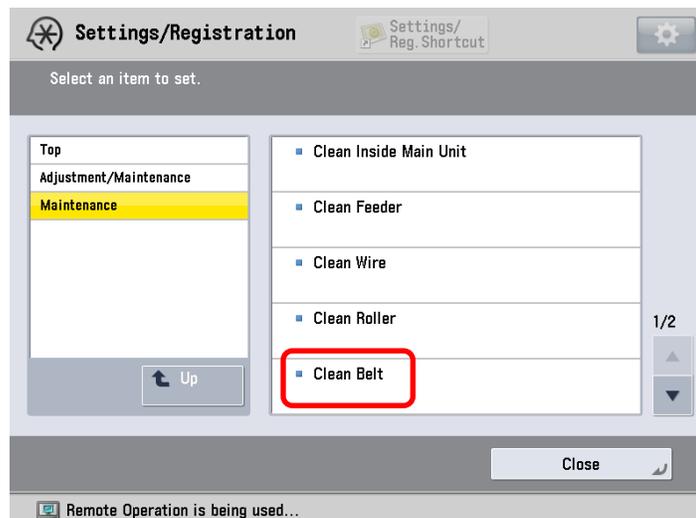
- 1) Inspect the Fixing Units Drive System Gear. If any abnormality such as breakage is found, replace the Gear. If the Fixing Drive Gear is faulty, replace the 75T Gear (FH8-0066) or the Intermediate Drive Assembly (FM0-3017).
- 2) If no abnormality is seen on the Gear, replace the Fixing Motor (M48) as it is likely to be connection abnormality or failure of the Fixing Motor associated electrical parts.
- 3) If replacing the Fixing Motor (M48) did not work, replace the Fixing Feeding Driver PCB (FM3-9575).
- 4) Check the connection of 38V Power Supply (UN36 Fixing Power Supply Relay PCB, FM3-9586) and if an abnormality is found, replace the 38V Power Supply.
- 5) If the issue does not improve even after performing steps 1) to 4), replace the DC Controller PCB.

Soiling on the Side of Image (Soiled Print)

This occurs due to the foreign substances (toner, lint, oil, etc.) attached to the surface of the Fixing Belt and the Pressure Belt. As it is often just a temporary symptom, perform the subsequent work before replacement of the Fixing Belt Unit or the Pressure Belt Unit.



- 1) Clean the belt from (Settings/Registration) > [Adjustment / Maintenance] > [Maintenance] > [Clean Belt].



- 2) The soiling may remain even after execution of the cleaning of the belt. If this is the case, execute the cleaning of the belt again.

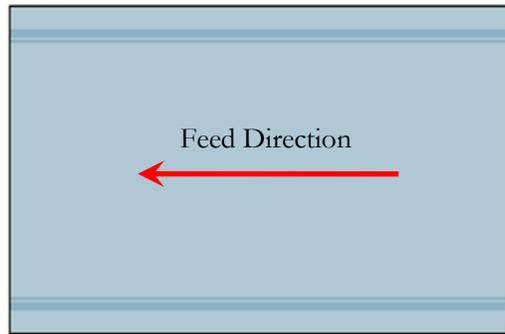


NOTE:

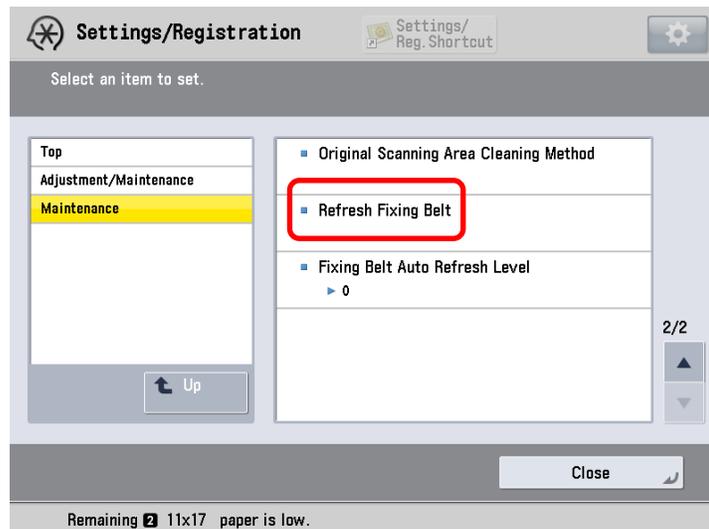
- Before executing the cleaning of the belt, load three (3) sheets or more of plain paper in the Upper Cassette of the Main Body. It is recommended to use the largest size of paper from among commonly used papers such as 13" x 19" = 330 mm x 483 mm or 12" x 18" = 305 mm x 457 mm.
- Cleaning of the belt is unavailable during printing.

Parallel Streaks in the Paper Feed Direction

During a consecutive paper passage with an identical size of paper the edge of paper contacts a part of the fixing belt surface. This makes the part rough and leads to the relevant symptom. As this symptom might be a recoverable case, perform the following work referring to the section "Glossy streaks appears in parallel to the paper feed direction" of p.122 " Tips and hints for better print " before replacing the fixing belt unit or pressure belt unit.



- 1) Refresh the Fixing Belt from (Settings/Registration) > [Adjustment/Maintenance] > [Maintenance] > [Refresh Fixing Belt].



- 2) After the operation has completed, execute printing again. If the effect is insufficient, perform the Refresh of the Fixing Belt again.
- 3) If an improvement is observed in the aforementioned steps, the frequency of performing the Refresh Operation may not be sufficient. In this case, change the frequency of execution for refresh referring to "Cut on the fixing belt by the edge of paper" in Situation Mode.



NOTE:

If the pollution on the surface of the Refresh Roller progresses after some endurance time has elapsed, the effect might not be exerted adequately. In that case, execute Cleaning of the Refresh Roller Surface referring to "Parts replacement - Cleaning procedure > Fixing system > Fixing refresh roller cleaning" in the imagePRESS C800 Series Service Manual.

Changing the Value for the Refresh Level for the Fixing Belt

In some cases there may be some advantage in changing the value for Refresh for the Fixing Belt. In order to accomplish the change, navigate to Service Mode (Level 2) > COPIER > OPTION > USER > FX-CLNLV. Then, enter the Setting Value, press the OK key, and turn OFF and then ON the Main Power Switch.

Setting value: -5 to 5 (default: 0)



CAUTION!

As the value is increased, the effect of Refresh Control is improved, but the life of the Fixing Belt is shortened. Also, there is a possibility that the Fixing Belt may be damaged.



Did you know.....?

When Service Mode (Level1) > COPIER > OPTION > DSPLY-SW > IMGC-ADJ is set to "1", Fixing Belt Auto Refresh Level can also be set in Settings/Registration > Adjustment/Maintenance > Fixing Belt Auto Refresh Level.

How to Set the Refresh Operation of Fixing Belt

In order to change the Refresh Operation of the Fixing Belt, navigate to Service Mode (Level1) > COPIER > FUNCTION > CLEANING > FX-CL-FQ.

This Service Mode consists of three (3) Settings; Contact Time, Frequency, and Temperature Control. Contact Time is the amount of time where the Fixing Refresh Roller is in contact in a single refresh operation. Setting Range: From 0 to 3 (Default: 0)

Frequency is the interval or the number of sheets between actuations. (80 g/m², LTR size) This differs according to the paper type.

Setting Range: From 300 to 30000 (Default: 3000)

Temperature Control determines the Fixing Temperature Control Table to be applied during the Refresh Operation.

Setting Range: From 0 to 4 (Default: 0)



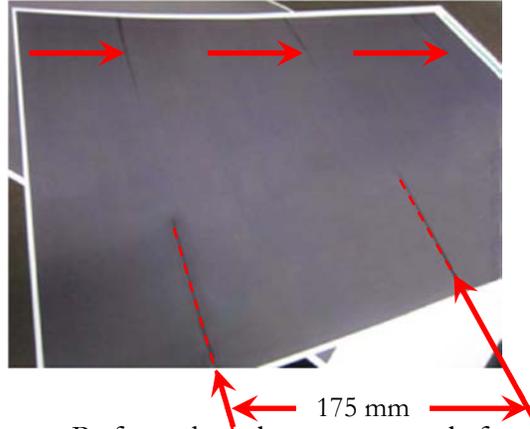
CAUTION!

When Contact time or Frequency is increased, the life of the Fixing Refresh Roller is shortened.

When the control temperature is increased, the effect of the refresh increases, but image failure (lines, etc.) may occur.

Horizontal Streaks near the Edge of the Image at 175mm Intervals

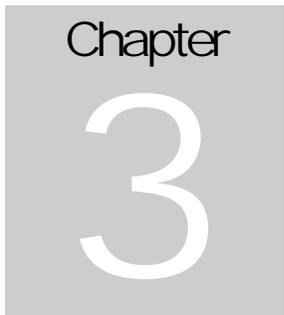
On installation or relocation of the Main Engine, at replacement of parts in the Fixing Assembly, or use of glossy or colored media, an uneven Horizontal Streak at 175mm intervals may appear near the edge of paper. This symptom occurs when the Refresh Roller comes in contact with the Fixing Belt.



This is a recoverable symptom. Perform the subsequent work before replacement of the Fixing Belt Unit or Pressure Belt Unit.

- 1) Refresh the Fixing Belt from (Settings/Registration) > [Adjustment/Maintenance] > [Maintenance] > [Refresh the Fixing Belt].
- 2) After the Refresh operation has completed, execute printing again. If the effectiveness is insufficient, perform the Refresh of the Fixing Belt again.

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Appendix

PRODUCTS AFFECTED / SERIAL NUMBERS AFFECTED:
imagePRESS C800 Series**SUBJECT:**
imagePRESS C800 Series Quality Assurance Kits**GENERAL:**
This Technical Publication announces the release of Quality Assurance Kits for the imagePRESS C800 Series.**DETAILS:**
In order to help reduce service time, and increase efficiency, each of the imagePRESS C800's Quality Assurance Kits have been created according to the engine's sub section and service part durability life.

The subsequent imagePRESS C800 Series Quality Assurance Kits are now available.

Quality Assurance Kit	Part Number	Approximate Installation Interval		
		imagePRESS C800	imagePRESS C700	imagePRESS C60
IPR C800 CHARGING WIRE KIT	F02-6301-000	600,000	500,000	300,000
IPR C800 DEVELOPER KIT	F02-6303-000	750,000	750,000	750,000
IRADC90/IPRC800 BLK DRM CLN	F02-6103-010	1,000,000	900,000	400,000

NOTE:
Due to limited supplies of service parts, only three Quality Assurance Kits are available at this time. Additional kits will be made available in the near future.

- IMPORTANT NOTES:**
- Even though the Quality Assurance Kits do not contain all of the imagePRESS C800 Series durability parts, it will still be necessary to replace these durability parts at the appropriate service intervals.
 - The durability life for each durability part is calculated based on letter sized paper; therefore, the durability counters for the durability parts will increment twice for larger sized paper.
 - The durability life for most the durability parts vary between the imagePRESS C800, imagePRESS C700, and imagePRESS C60.

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For additional technical information, please visit the Canon Engineering Services and Solutions Division website at: www.support.cusa.canon.com. You can also call the Technical Support Center at 1-800-528-2830 or contact your Regional Support Office.

**imagePRESS C800 Series Charging Wire Kit
F02-6301-000**

Part Name	Part Number	Q'TY
GRID PLATE	FC0-9857-000	1
PRIMARY CHARGING WIRE	FL2-8915-000	1
GRID CLEANING PAD	FL3-4090-000	1
PRIMARY CHARGING WIRE CLEANING PAD HOLDER	FL3-7560-000	1
PRIMARY CHARGING WIRE CLEANING PAD SLIDER	FL2-7750-000	1
PRE-TRANSFER CHARGING WIRE	FL2-8807-000	1
PRE-TRANSFER CHARGING WIRE CLEANING PAD SLIDER	FL2-7750-000	1
PRE-TRANSFER CHARGING WIRE CLEANING PAD HOLDER	FL3-7560-000	1

**imagePRESS C800 Series Developer Kit
F02-6303-000**

Part Name	Part Number	Q'TY
DEVELOPING ASSEMBLY (Bk)	FM1-C717-000	1
DEVELOPING ASSEMBLY (Y)	FM1-C714-000	1
DEVELOPING ASSEMBLY (M)	FM1-C715-000	1
DEVELOPING ASSEMBLY (C)	FM1-C716-000	1

**imageRUNNER ADVANCE C9000 Series \ imagePRESS C800 Series
Black Drum Cleaning Kit
F02-6103-010**

Part Name	Part Number	Q'TY
REAR EDGE SCRAPER (Bk)	FL2-8654-000	1
DRUM CLEANING SCOOP-UP SHEET (Bk)	FL2-8652-000	1
DRUM CLEANING BLADE (Bk)	FC8-2281-000	1
FRONT EDGE SCRAPER (Bk)	FL2-8653-000	1

NOTE:

Quality Assurance Kit F02-6103-010 is also used on the imageRUNNER
ADVANCE C9075 PRO Series.

Adjustment of the Image Registration

Image Position Adjustment <Checking/Adjusting>

Go through the following procedure for image adjustment.



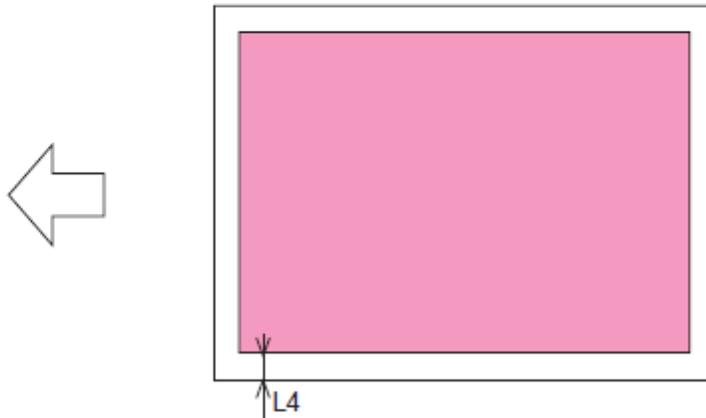
1. Left Edge Margin Adjustment (Mechanical Adjustment for Cassette Execute with all paper sources)

1) Set service mode (level1) > COPIER > OPTION > FEED-SW > CIS-OFF to "1" (Disabling side registration shift).

2) After setting the service mode (level 1) as follow, press the Start key and output a test print from each cassette.

- COPIER > TEST > PG > TYPE = 5
- COPIER > TEST > PG > COLOR-M = 1
- COPIER > TEST > PG > COLOR-Y/C/Bk = 0
- COPIER > TEST > PG > PG-PICK = 1/2/3

3) Check that the left edge margin L4 of the image is within 2.5 +/- 1.0 mm.



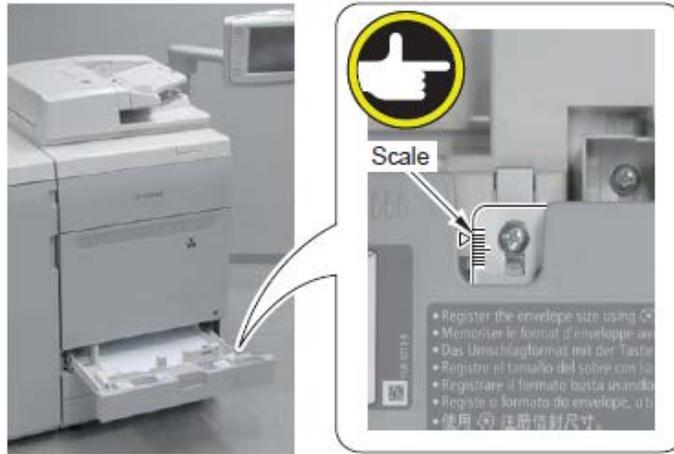
F-9-171

4) If the margin is within the range, proceed to "Adjustment Method step 7".

If it is not within the range, execute adjustment by following the procedure below.

1) Pull out the Cassette.

2) Check the position of the scale of the Cassette Lock Unit.



F-9-172

3) Loosen the 2 screws of the Cassette Lock Unit.



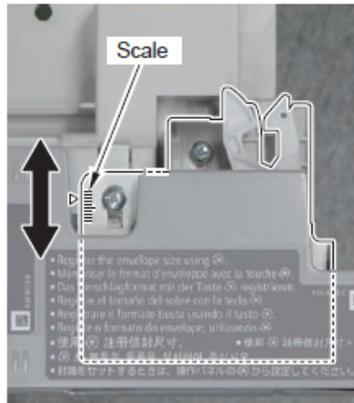
F-9-173

4) According to the scale in which the position was checked in step 2, adjust the position of the Cassette Lock Unit.

- If the left edge margin is big, move the Cassette Lock Unit to the front.
- If the left edge margin is small, move the Cassette Lock Unit to the rear.

CAUTION:

Be careful not to move a cassette too much; otherwise, it may not be able to be installed in the host machine.



F-9-174

5) Tighten the 2 screws loosened in step 3.

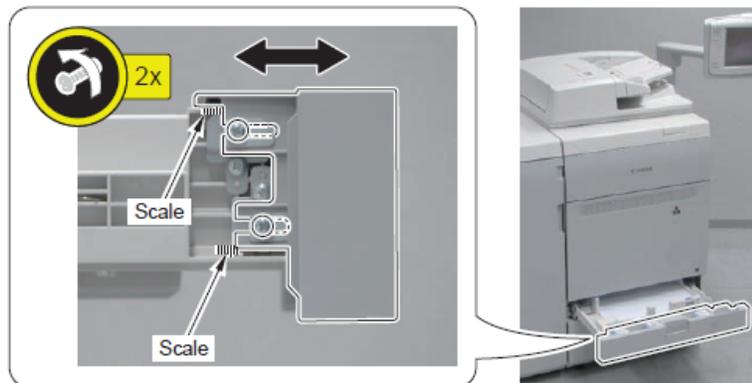
6) Perform printing again from the paper source where adjustment has been made, and check that the value is within the specified range. When the result is out of the specified range, repeat steps 1 to 5.

NOTE:

If you are concerned with alignment of the Cassette Cover, adjust the right and left sides of the cover as necessary.

7) Loosen the 2 screws and adjust the position of the Cassette Cover by referring to the scale. When moving the Cassette Lock Unit, adjust the left side of the Cassette Cover by shifting it with the same shifting amount of the unit.

8) Tighten the 2 screws that were loosened.



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9) Change the setting of Service Mode (Level 1) > COPIER > OPTION > FEED-SW > CIS-OFF back to "0" (to enable side registration shift).

10) Exit service mode.

CAUTION:

When "Mechanical Adjustment for Cassette Execute" has been performed, be sure to perform the following "Cassette pull-in Check".

<Cassette pull-in Check>

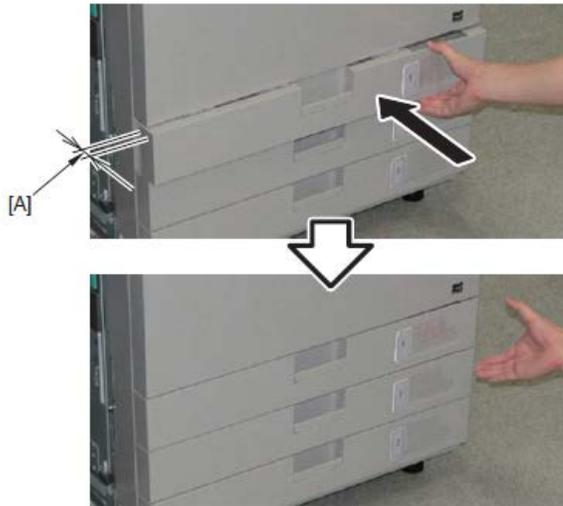


- 1) Open the Left Cover.
- 2) Open the cassette 200 mm or more.

NOTE:

The pull-in mechanism is activated by opening the cassette 200 mm or more.

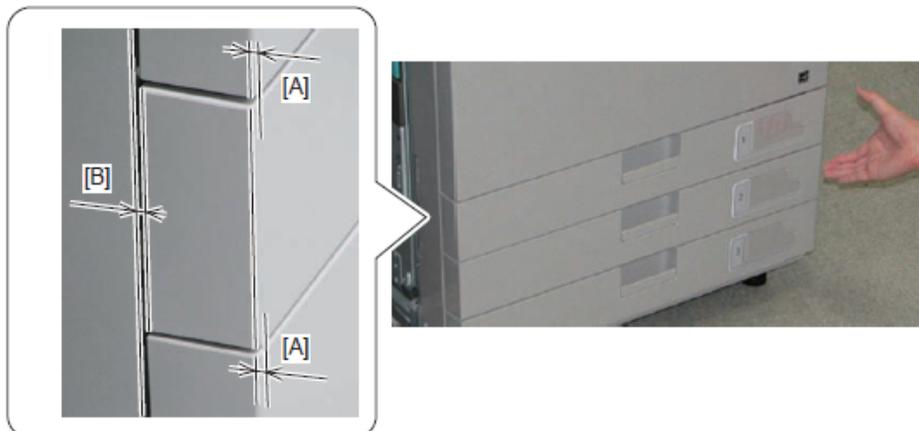
- 3) Push back the cassette until it is 15 mm [A] from the Front Cover of the host machine, and let go of the cassette.



<Appropriate>

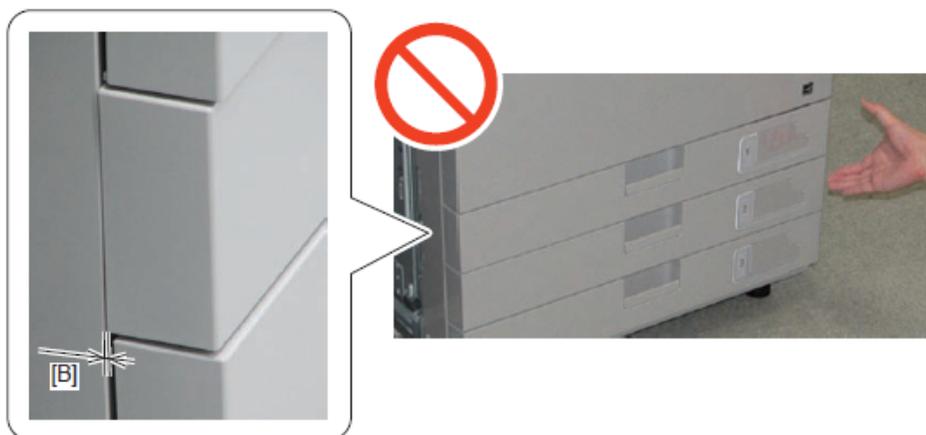
The latch is locked, and the level difference between the Cassette Front Cover and other external covers is within the appropriate range when viewed from the left side. Adjustment is not necessary.

- The level difference [A] between the cassette and other covers (the Front Cover and other Cassette Front Covers) on the front side should be 2 mm or less.
- The gap [B] from the cover on the rear side should be 3 +/- 1 mm.

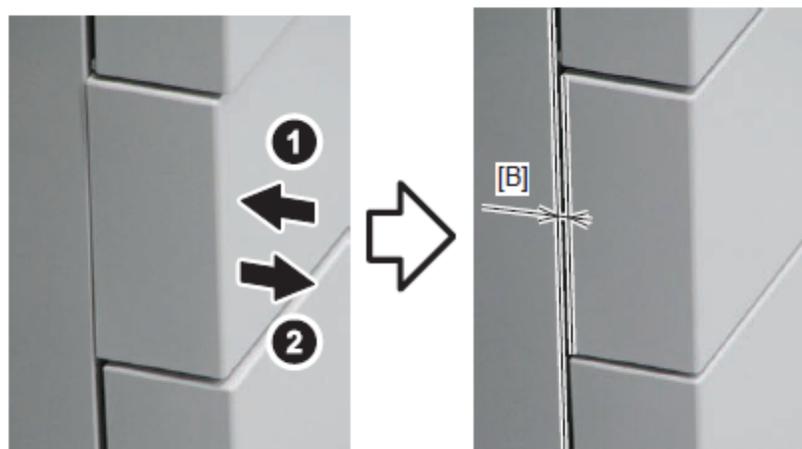


<Semi-closed>

The cassette has been excessively pulled in. The gap from other external covers is eliminated by further pushing the cassette in this situation, but adjustment is needed from a functional point of view.



By further pushing the cassette in this situation, a gap [B] is generated between the cassette and the cover on the rear side. Measure and write down the gap [B].



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Perform "Adjusting the Cassette Front Cover", and then perform "Adjusting the Pull-in Guide" as needed.

<Latch not locking>

The cassette has not been pulled in enough. The cassette is not latched and comes out. Perform "Adjust the Pull-in Guide".

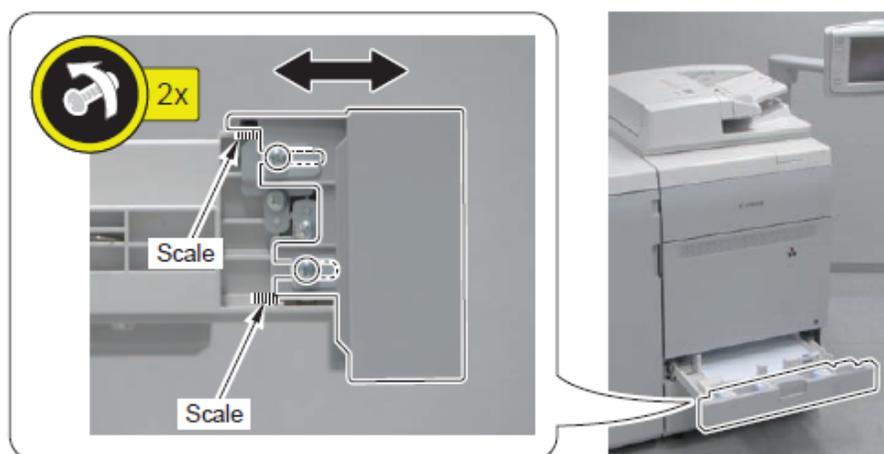


<Adjusting the Cassette Front Cover>

- 1) Pull out the cassette.
- 2) Loosen the 2 adjustment screws on the left side, and move the Cassette Front Cover as needed using the 2 scales as reference until the gap [B] from the cover on the rear side you wrote down in "Checking Method" changes to a value within the appropriate range.

NOTE:

While the appropriate range of the gap is 3 +/- 1 mm in normal circumstances, in the case of a semi-closed cassette, adjust the gap to a value within 3 to 4 mm.



F-9-181

- 3) Tighten the 2 adjustment screws you loosened in step 2.
- 4) Perform the procedure of "Checking Method" again. If the gap is still out of the appropriate range, perform "Adjusting the Pull-in Guide".

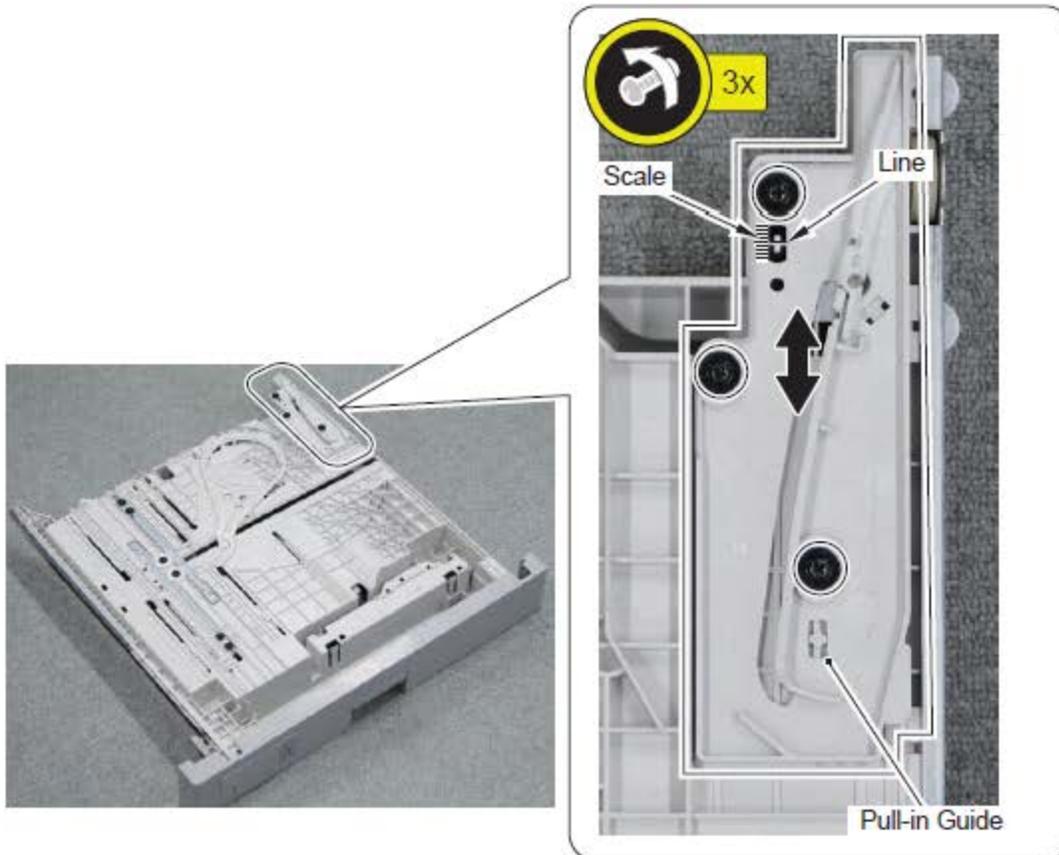
<Adjusting the Pull-in Guide>

- 1) Remove the cassette.
- 2) Loosen the 3 adjustment screws on the rear side of the cassette. Using the scale and the boss line as reference, move the position of the Pull-in Guide for 1 division of the scale.

NOTE:

Check the initial position on the scale (because the position at the time of shipment is not always at the center).

- In the case of a semi-closed cassette: Move the Pull-in Guide for 1 division of the scale upward (toward the rear side [A] of the host machine) so that the amount the cassette is pulled in is reduced.
- In the case of latch not locking: Move the Pull-in Guide for 1 division of the scale downward (toward the front side [B] of the host machine) so that the amount the cassette is pulled in is increased.



- 3) Tighten the 3 adjustment screws you loosened in step 2.
- 4) Perform the procedure of "Checking Method" again, and adjust the gap until it becomes an appropriate value.

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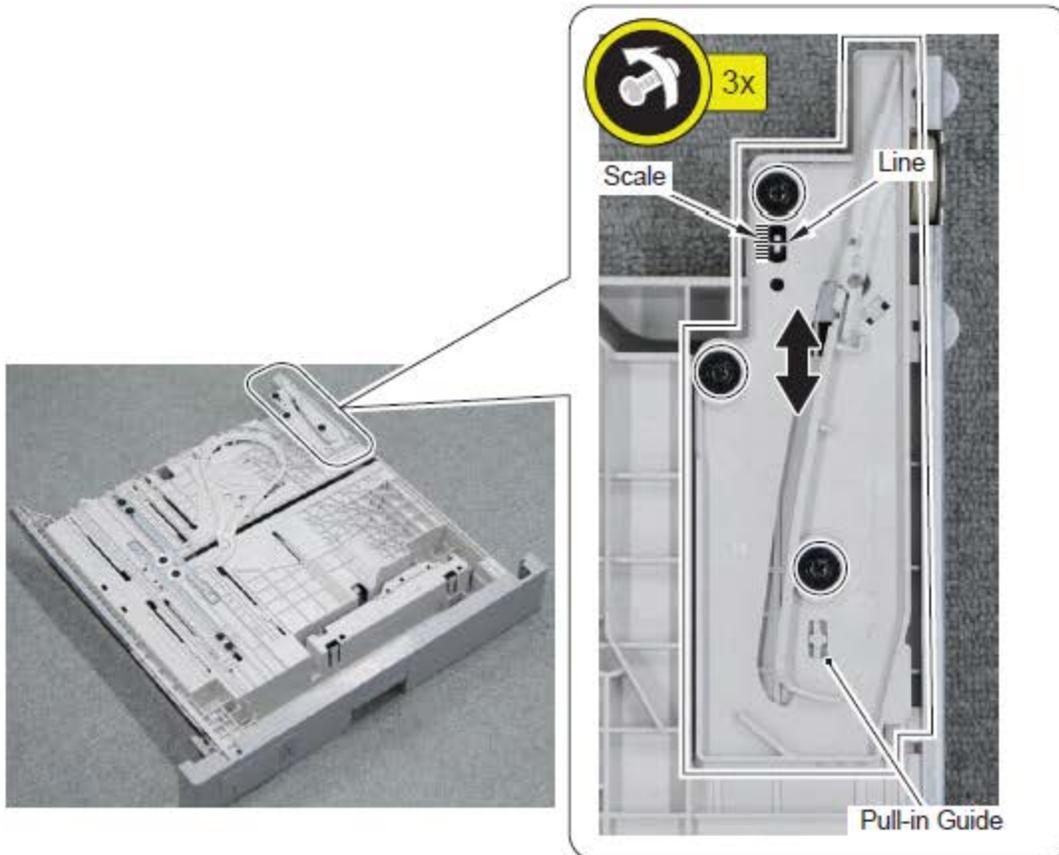
<Adjusting the Pull-in Guide>

- 1) Remove the cassette.
- 2) Loosen the 3 adjustment screws on the rear side of the cassette. Using the scale and the boss line as reference, move the position of the Pull-in Guide for 1 division of the scale.

NOTE:

Check the initial position on the scale (because the position at the time of shipment is not always at the center).

- In the case of a semi-closed cassette: Move the Pull-in Guide for 1 division of the scale upward (toward the rear side [A] of the host machine) so that the amount the cassette is pulled in is reduced.
- In the case of latch not locking: Move the Pull-in Guide for 1 division of the scale downward (toward the front side [B] of the host machine) so that the amount the cassette is pulled in is increased.



- 3) Tighten the 3 adjustment screws you loosened in step 2.
- 4) Perform the procedure of "Checking Method" again, and adjust the gap until it becomes an appropriate value.

F-9-182

CAUTION:

The value of Service Mode (Level 1) > COPIER > OPTION > FEED-SW > CIS-OFF must be back to "0" (to enable side registration shift) when performing the following adjustments.

NOTE:

By executing the leading edge margin adjustment for the Cassette 1, the adjustment is applied to all source of paper.

2. Leading Edge Skew Adjustment

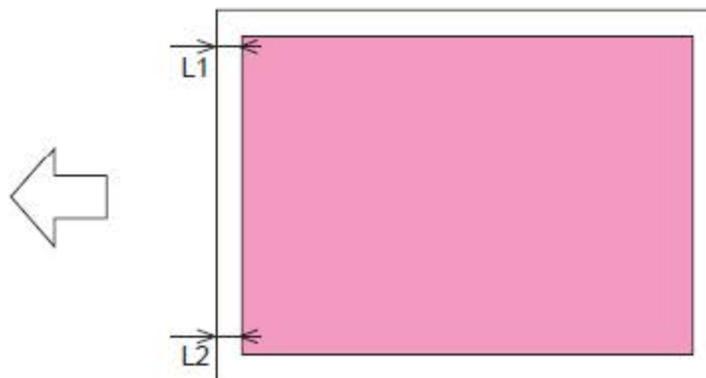


1) After setting the service mode (level 1) as follow, press the Start key and output a test print from each cassette.

- COPIER > TEST > PG > TYPE = 5
- COPIER > TEST > PG > COLOR-M = 1
- COPIER > TEST > PG > COLOR-Y/C/Bk = 0
- COPIER > TEST > PG > PG-PICK = 1

2) Check that the leading edge skew on the image is as follow. When the result is out of the specified range, perform adjustment by following the following procedure.

- If the result is $L1 - L2 \leq -0.5\text{mm}$ or $L1 - L2 \geq +0.5\text{mm}$: Go to mechanical adjustment for registration alignment
- If the result is as follow: $-0.5\text{mm} < L1 - L2 < -0.3\text{mm}$ or $0.3\text{mm} < L1 - L2 < 0.5\text{mm}$: Go to software adjustment



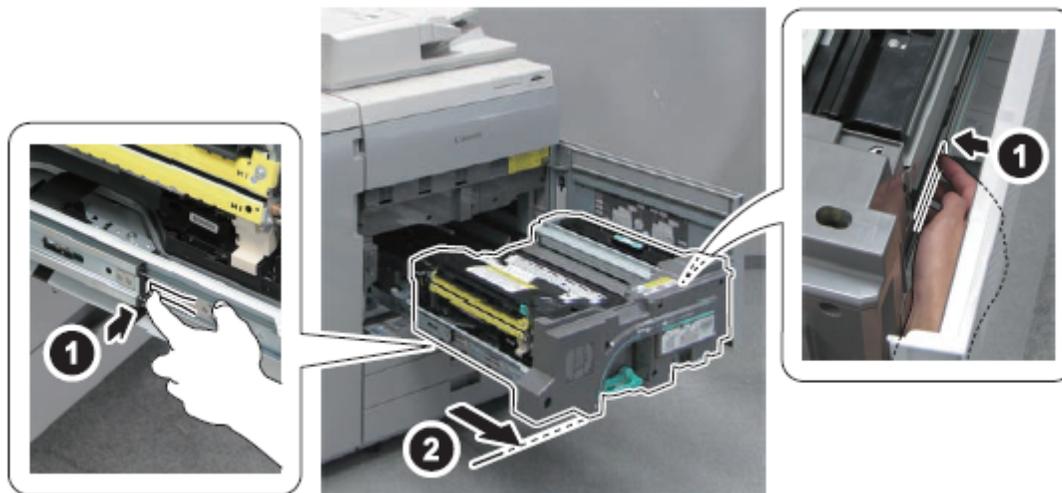
<Adjustment method (mechanical adjustment for registration alignment)>



- 1) Open the Front Cover and pull out the Fixing Feed Unit.
- 2) Push the 2 Lock Springs of the Rails (both sides) to release the lock and further pull out the Fixing Feed Unit until it stops.

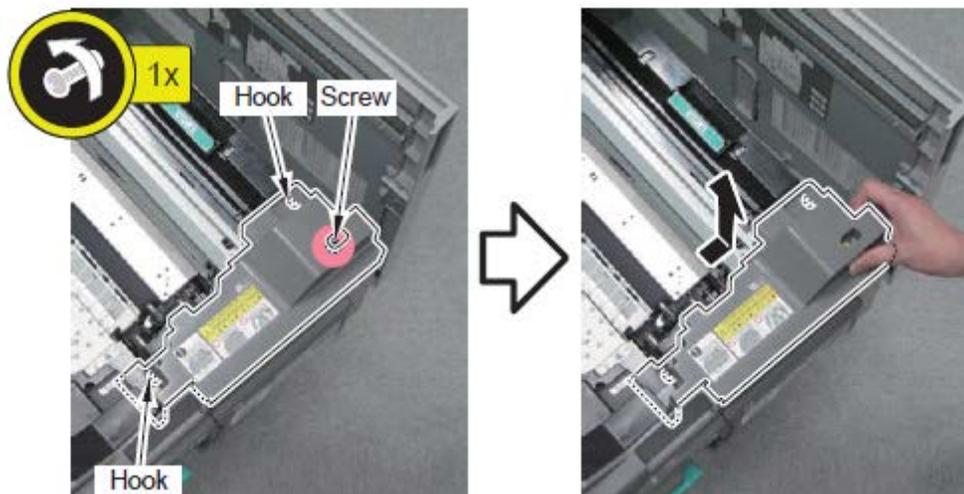
CAUTION:

Do not release the Lock Springs at the rear side of the Rails (both sides); otherwise the Frame of the Fixing Feed Unit can be off.



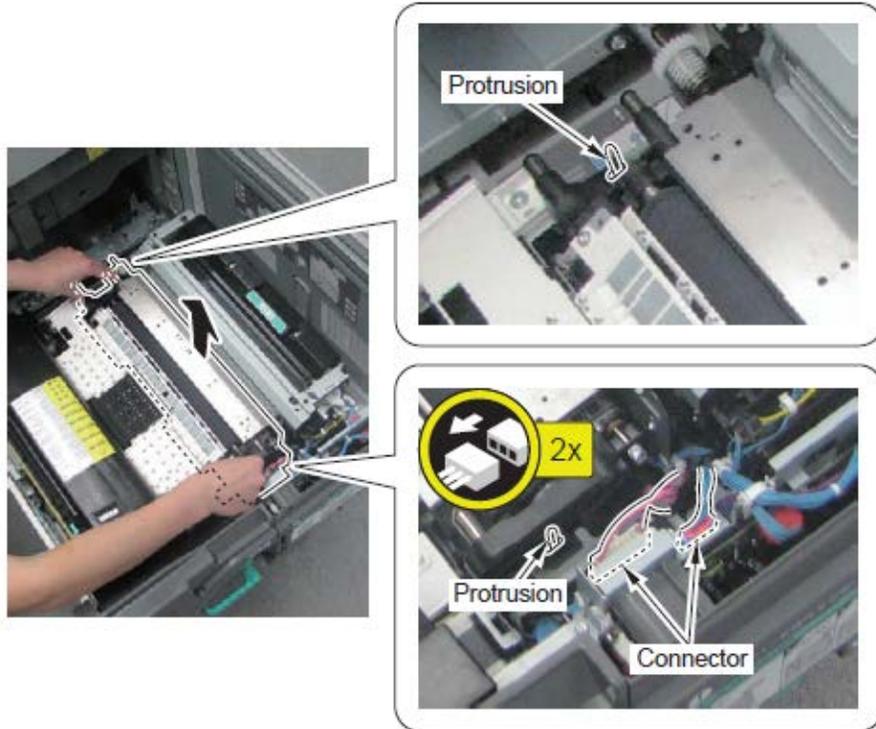
- 3) Remove the Fixing Feed Inner Cover.

- 1 Screw
- 2 Hooks



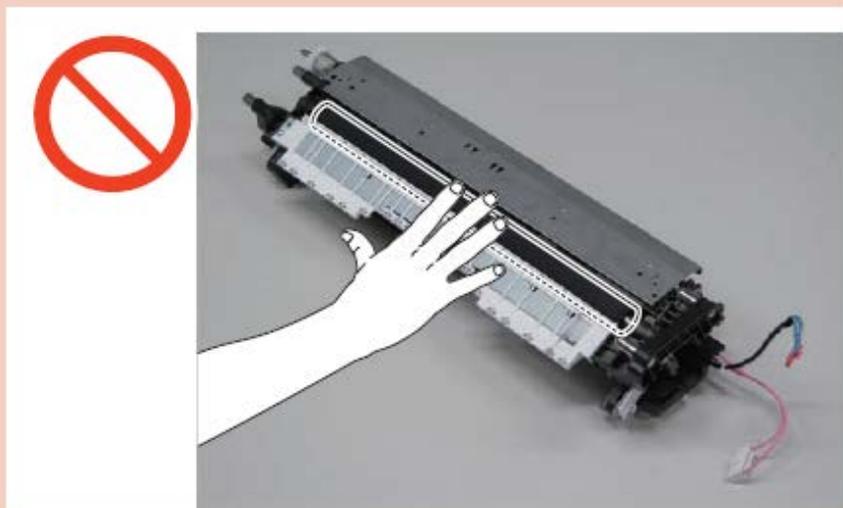
4) Remove the Secondary Transfer Outer Unit.

- 2 Connectors
- 2 Protrusions



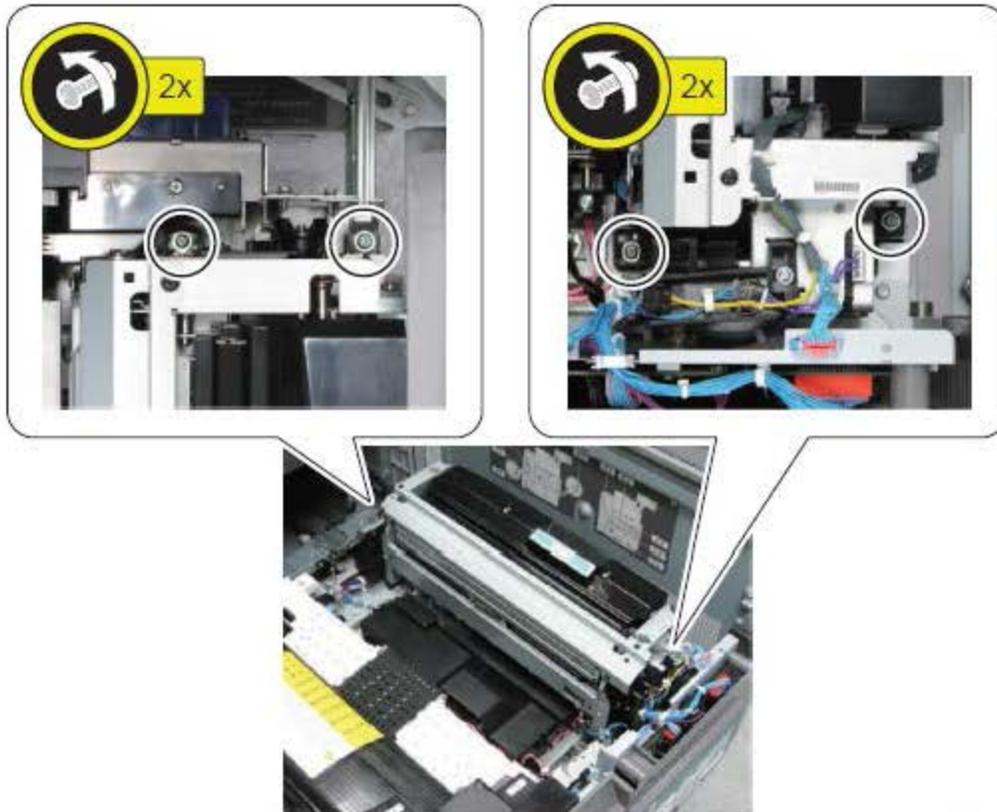
CAUTION:

Do not touch the surface of the Secondary Transfer Outer Roller.



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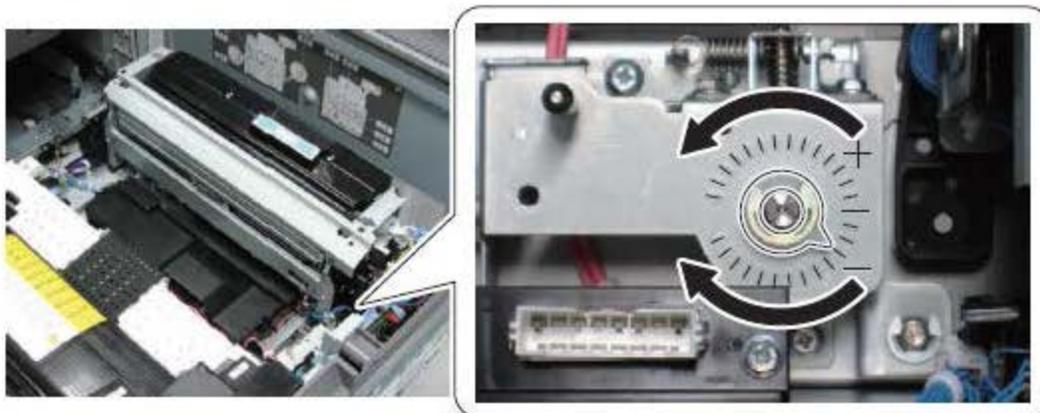
5) Loosen the 4 screws.



F-9-188

6) Adjust the Registration Adjustment Shaft by turning it with a screwdriver.

- In case of $L1 - L2 > 0.5 \text{ mm}$: Turn to - direction
 - In case of $L1 - L2 > -0.5 \text{ mm}$: Turn to + direction
- e.g.: In case of $L1 - L2 = 0.6$, turn the shaft to - direction by 6 scales.
1 scale mark of the dial: 0.1mm



7) Install the Secondary Transfer Outer Unit (2 Connectors).

CAUTION:

When installing the Secondary Transfer Outer Unit to the Fixing Feed Unit, be sure to do so after releasing the pressure applied on the Secondary Transfer Outer Roller. (Otherwise, the Secondary Transfer Outer Roller may be deformed, or the ITB may be damaged.)

<How to release the pressure applied on the Secondary Transfer Outer Roller>

The pressure on the Secondary Transfer Outer Roller can be released by turning the gear and changing the direction of the cam. Be sure to keep the Secondary Transfer Outer Roller lowered.

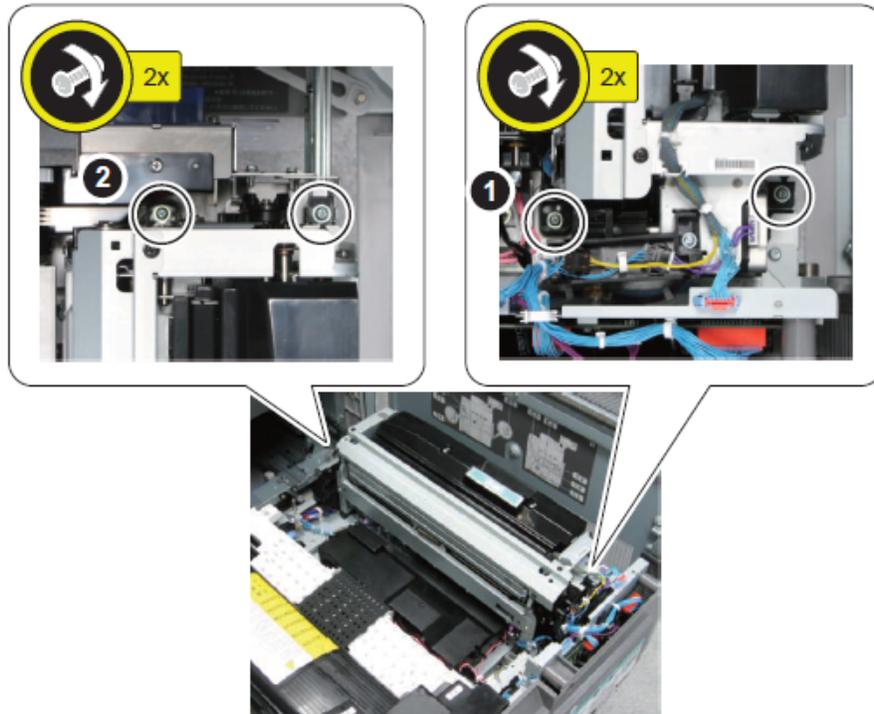


F-9-190

8) Tighten the 4 screws loosened in step 5.

CAUTION:

When tightening the screws, be sure to tighten them in the order from (1) to (2).



F-9-191

9) Perform printing again from the Cassette 1, and check that the value is within the specified range.

- If $-0.5 \text{ mm} < L1 - L2 < -0.3 \text{ mm}$ or $0.3 \text{ mm} < L1 - L2 < 0.5 \text{ mm}$: Go to software adjustment
- If $-0.3 \text{ mm} \leq L1 - L2 \leq +0.3 \text{ mm}$ or less: Go to leading edge right angle adjustment

<Adjustment method (software adjustment)>



1) Adjust the value of the following service mode (Level 1): COPIER > ADJUST > IMG-REG > SLP-1.

- Setting range: -10 to 10 (0.1 mm per increment)
- When the value is increased by "1", the leading edge skew (L1 - L2) is increased by 0.1 mm.

2) Perform printing again from the Cassette 1, and check that the value is within the specified range.

3) Write down the new adjustment value in the service label.

- SLP-1

NOTE:

From "3. Leading Edge Right Angle Adjustment" through "6. Vertical Scanning Magnification Ratio Adjustment", adjustment can be made with the same test print image.

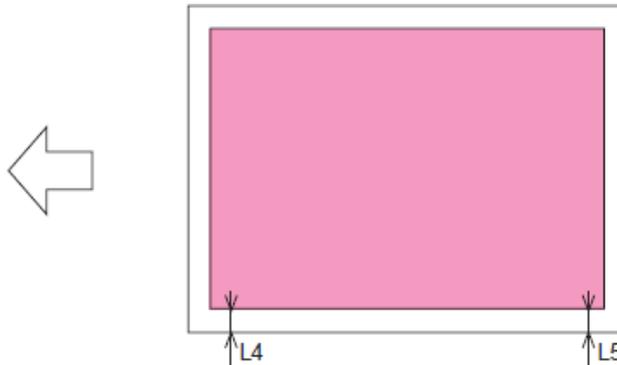
3. Leading Edge Right Angle Adjustment



1) After setting the service mode (level 1) as follow, press the Start key and output a test print from each cassette.

- COPIER > TEST > PG > TYPE = 5
- COPIER > TEST > PG > COLOR-M = 1
- COPIER > TEST > PG > COLOR-Y/C/Bk = 0
- COPIER > TEST > PG > PG-PICK = 1

2) Check that the leading edge right angle on the image is $(L4 - L5) \times 280/400 \geq -0.5$ mm or $(L4 - L5) \times 280/400 \leq +0.5$ mm. When the result is out of the specified range, perform adjustment by following the following procedure.



<Adjustment method>



1) Measure the leading edge right angle $((L4 - L5) \times 280/400)$ on the 1st side.

2) Adjust the value of the following service mode (Level 1): COPIER > ADJUST > IMG-REG > ANGLE-1

- Setting range: -10 to 10 (0.1 mm per increment)
- When the value is increased by "1", the leading edge right angle $((L4 - L5) \times 280/400)$ is increased by 0.1 mm.

E.g. (in the case of A3 paper): When $L4 = 2.5$ and $L5 = 1.5$, $(2.5 - 1.5) \times 280/400 = 0.7$; therefore, the value to enter is "-7".

3) Perform printing again from the Cassette 1, and check that the value is within the specified range.

4) Write down the new adjustment value in the service label.

- ANGLE-1

4. Trapezoid Adjustment

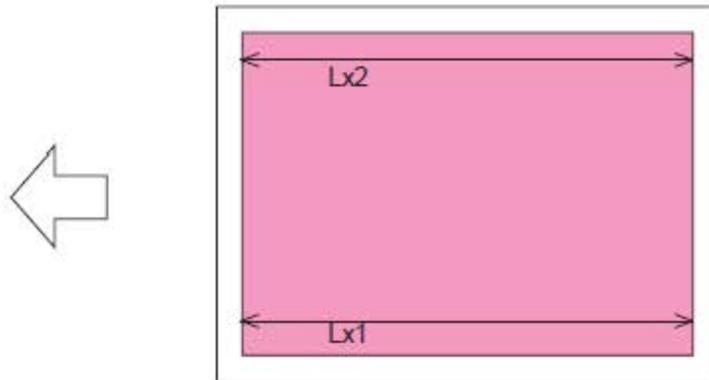


1) After setting the service mode (level 1) as follow, press the Start key and output a test print from each cassette.

- COPIER > TEST > PG > TYPE = 5
- COPIER > TEST > PG > COLOR-M = 1
- COPIER > TEST > PG > COLOR-Y/C/Bk = 0
- COPIER > TEST > PG > PG-PICK = 1

2) Check that trapezoid of the image is $Lx1 - Lx2 \geq -0.5$ mm or $Lx1 - Lx2 \leq +0.5$ mm.

When the result is out of the specified range, perform adjustment by following the following procedure.



F-9-193

<Adjustment method>



1) Measure trapezoid ($Lx1 - Lx2$) on the 1st side.

2) Adjust the value of the following service mode (Level 1): COPIER > ADJUST > IMG-REG > TRPZ-1

- Setting range: -10 to 10 (0.1 mm per increment)
- When the value is increased by "1", the trapezoid ($Lx1 - Lx2$) is increased by 0.1 mm.
E.g. (in the case of A3 paper): When $Lx1=412$ and $Lx2 = 411.4$, $412-411.4 = 0.6$; therefore, the value to enter is "-6".

3) Perform printing again from the Cassette 1, and check that the value is within the specified range.

4) Write down the new adjustment value in the service label.

- TRPZ-1

5. Horizontal Scanning Magnification Ratio Adjustment

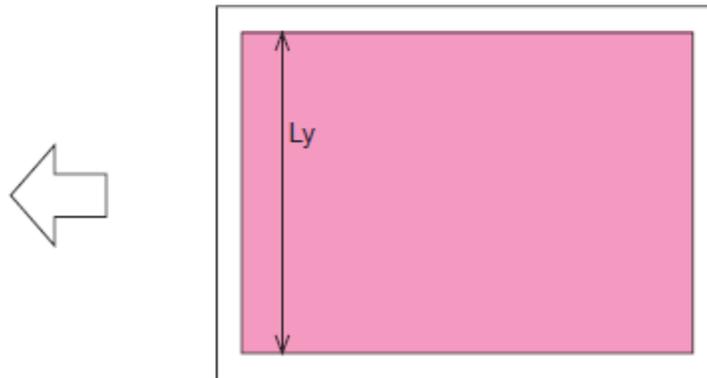


1) After setting the service mode (level 1) as follow, press the Start key and output a test print from each cassette.

- COPIER > TEST > PG > TYPE = 5
- COPIER > TEST > PG > COLOR-M = 1
- COPIER > TEST > PG > COLOR-Y/C/Bk = 0
- COPIER > TEST > PG > PG-PICK = 1

2) Check that the horizontal scanning magnification ratio is within the specified range. When the result is out of the specified range, perform adjustment by following the following procedure.

- A3 paper: $L_y = L_y = 292 \pm 0.6$ mm
- LDR paper: $L_y = L_y = 274.4 \pm 0.5$ mm



<Adjustment method>



1) Measure the horizontal scanning magnification ratio on the 1st side.

- In case of A3 paper: $(L_y/292 - 1) \times 100$ (%)
- In case of LDR paper: $(L_y/274.4 - 1) \times 100$ (%)

2) Adjust the value of the following service mode (Level 1): COPIER > ADJUST > IMG-REG > MAG-H

NOTE:

If the version of the Main Controller is older than 10.2x, it is displayed under Level 2.

- Setting range: -100 to 100 (0.01% per increment)
- When the value is increased by "1", the horizontal scanning magnification ratio is increased by 0.01%

E.g. (in the case of A3 paper): When $L_y = 291$, $(291/292-1) \times 100 = -0.342\%$ (The value is rounded off to two decimal places)

When the actually measured value is smaller than the nominal value (292 mm), the value of the ratio becomes "-" (negative)"; therefore, the value to enter is "+34".

- 3) Perform printing again from the Cassette 1, and check that the value is within the specified range.
- 4) Write down the new adjustment value in the service label.
- MAG-H

6. Vertical Scanning Magnification Ratio Adjustment

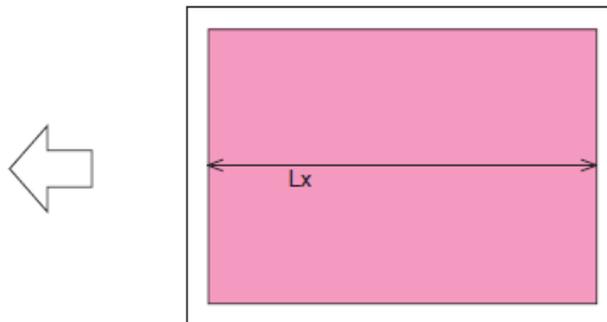


1) After setting the service mode (level 1) as follow, press the Start key and output a test print from each cassette.

- COPIER > TEST > PG > TYPE = 5
- COPIER > TEST > PG > COLOR-M = 1
- COPIER > TEST > PG > COLOR-Y/C/Bk = 0
- COPIER > TEST > PG > PG-PICK = 1

2) Check that the vertical scanning magnification ratio is within the specified range. When the result is out of the specified range, perform adjustment by following the following procedure.

- A3 paper: $L_x = 412 \pm 0.8$ mm
- LDR paper: $L_x = 423.8 \pm 0.8$ mm



<Adjustment method>



1) Measure the vertical scanning magnification ratio on the 1st side.

- A3 paper: $(Lx/412 - 1) \times 100$ (%)
- LDR paper: $(Lx/423.8 - 1) \times 100$ (%)

2) Adjust the value of the following service mode (Level 1): COPIER > ADJUST > IMG-REG > MAG-V

- Setting range: -100 to 100 (0.01% per increment)
- When the value is increased by "1", the vertical scanning magnification ratio is increased by 0.01%.

E.g. (in the case of A3 paper): When $L_y = 411$, $(411/412-1) \times 100 = -0.242\dots$ (The value is rounded off to two decimal places)

When the actually measured value is smaller than the nominal value (412 mm), the value of the ratio becomes "- (negative)"; therefore, the value to enter is "+24".

3) Perform printing again from the Cassette 1, and check that the value is within the specified range.

4) Write down the new adjustment value in the service label.

- MAG-V

7. Left Edge/Leading Edge Margin Adjustment (1st side/2nd side: Software Adjustment)

CAUTION:

By making an adjustment for the 1st side, the absolute value of the margin on the 2nd side is also changed. Therefore, the margin adjustment for the 2nd side is adjustment of the difference from the margin on the 1st side. If the difference between 1st and 2nd sides is +/- 0.5 mm or less, do not perform adjustment for the 2nd side.



1) After setting the service mode (level 1) as follow, press the Start key and output a test print (2-sided print) from the Cassette 1.

- COPIER > TEST > PG > TYPE = 5
- COPIER > TEST > PG > COLOR-M = 1
- COPIER > TEST > PG > COLOR-Y/C/Bk = 0
- COPIER > TEST > PG > 2-SIDE = 1
- COPIER > TEST > PG > PG-PICK = 1

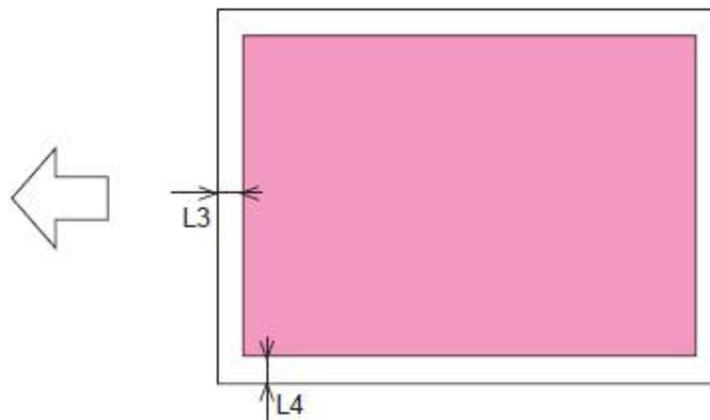
CAUTION:

At 2-sided printing, paper is output with the 1st side down and 2nd side up.

Therefore, when checking the leading edge margin on the 1st side, check the margin at the side opposite to the feeding direction on the face-down side.

2) Check that the left edge margin L4 and the leading edge margin L3 for the 1st and 2nd sides are within the range indicated below.

- left edge margin L4: 2.5 +/- 0.5 mm
- leading edge margin L3: 4.0 +/- 0.5 mm



<Left Edge Margin Adjustment Method>



- 1) Change the left edge margin adjustment value for the 1st side.
 - Service Mode (Level 1) > COPIER > ADJUST > FEED-ADJ > REG-L
Setting range: -100 to 100 (0.1 mm per increment)
As the value is incremented by "1", the left edge margin is increased by 0.1 mm.
- 2) Change the left edge margin adjustment value for the 2nd side.
 - Service Mode (Level 1) > COPIER > ADJUST > FEED-ADJ > ADJ-REFE
When the value is increased by "1", the left edge margin on the 2nd side is increased by 0.1 mm.

<Leading Edge Margin Adjustment Method>



- 1) Change the leading edge margin adjustment value for the 1st side.
 - Service Mode (Level 1) > COPIER > ADJUST > FEED-ADJ > REGIST
Setting range: -100 to 100 (0.1 mm per increment)
When the setting value is increased by "1", the leading edge margin is decreased by 0.1 mm.
- 2) Change the leading edge margin adjustment value for the 2nd side.

CAUTION:

It is necessary to change the setting value individually according to the process speed.

- Service Mode (Level 1) > COPIER > ADJUST > FEED-ADJ
 - REG-DUP1 (2nd side at 1/1 speed)
 - REG-DUP2 (2nd side at 2/3 speed)
 - REG-DUP3 (2nd side at 1/2 speed)

When the setting value is increased by "1", the leading edge margin on the 2nd side is decreased by 0.1 mm.

<Checking after Adjustment >

- 1) Perform 2-sided printing from the Cassette 1.
- 2) Check that the left edge margin L4 and the leading edge margin L3 for the 1st and 2nd sides are within the range indicated below.
 - left edge margin L4: 2.5 +/- 0.5mm
 - leading edge margin L3: 4.0 +/- 0.5 mm
- 3) If the values of the following service modes have been changed, write down the new adjustment value in the service label.
 - REG-L
 - ADJ-REFE
 - REGIST
 - REG-DUP1/2/3
- 4) Exit service mode.

Adjusting the Image Position

Adjusting the Image Position

In the following cases, you can adjust the printed image position, which is misaligned or distorted, by confirming test pages and specifying setting values.

■ **When the printed image is slanted:**

Perform the Correct Image Misalignment mode. (See "Correct Image Misalignment," on this guide.)

■ **When the printed image is distorted like a parallelogram:**

Perform the Correct Distortion (Parallelogram) mode. (See "Correct Distortion (Parallelogram)," on this guide.)

■ **When the printed image is distorted like a trapezoid:**

Perform the Correct Distortion (Trapezoid) mode. (See "Correct Distortion (Trapezoid)," on this guide.)

■ **When the printed image is enlarged or reduced:**

Adjust the zoom ratio of the image. (See "Adjusting the Zoom Ratio of the Image," on this guide.)

■ **When the printed image is misaligned vertically or horizontally:**

Adjust the left edge or lead edge alignment. (See "Adjusting Left Edge Alignment of the Image" and "Adjusting Lead Edge Alignment of the Image," on this guide.)

The image positions on the first side and second side may match each other, if you adjust the image position in order shown below.

Correct image misalignment → correct distortion (parallelogram) → correct distortion (trapezoid) → adjust the zoom ratio → adjust the left edge alignment → adjust the lead edge alignment.

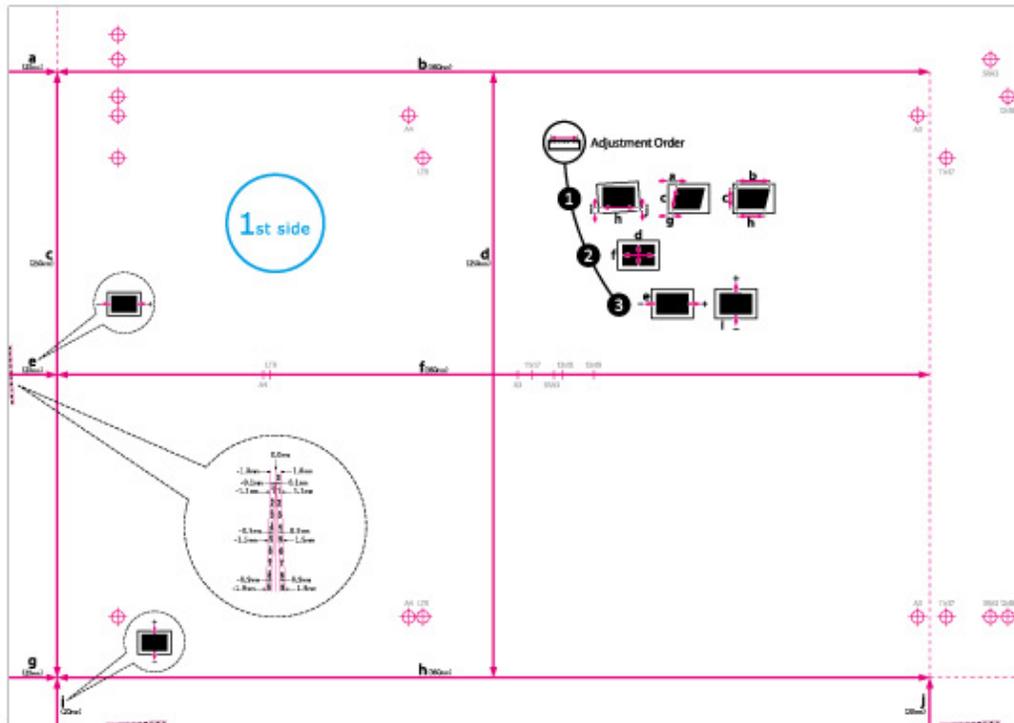
NOTE

You cannot change the image position on paper which is being used for copying/printing jobs.

Test Page

The test page used when you adjust the image position is described below. The following shows the test page which is printed on A3 paper.

(The side with "1st side" printed is the front side. The side with nothing printed on it is the back side.)



NOTE

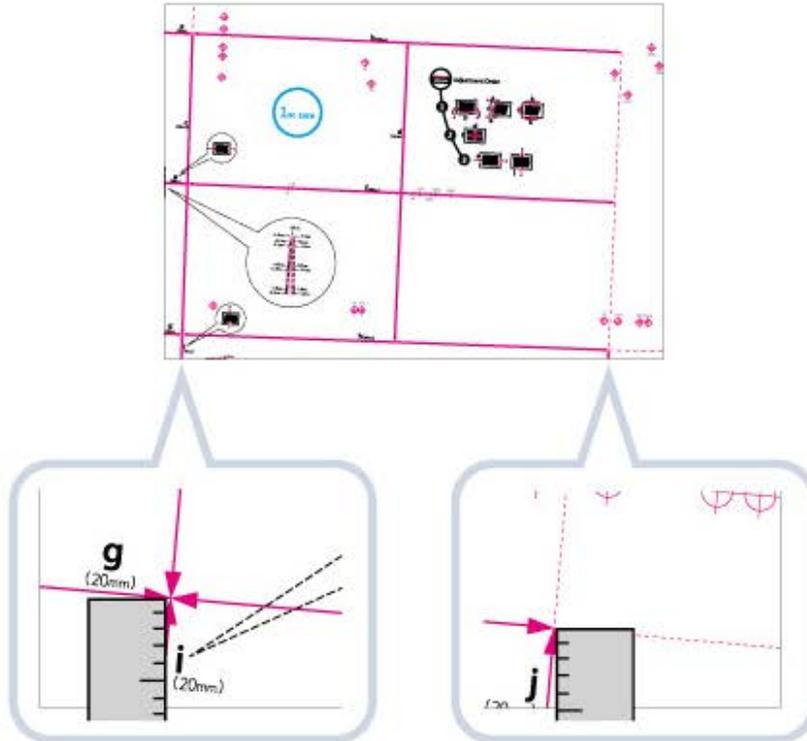
The test page, which you printed for correct distortion (parallelogram), can also be used for correct distortion (trapezoid), adjust the zoom ratio, adjust the left edge alignment, and adjust the lead edge alignment. If you adjust the image position in the order of correct image misalignment → correct distortion (parallelogram) → correct distortion (trapezoid) → adjust the zoom ratio → adjust the left edge alignment → adjust the lead edge alignment, you need to print a test page when you make the adjustment shown below.

- Before you start the correct image misalignment.
- Before you start the correct distortion (parallelogram).

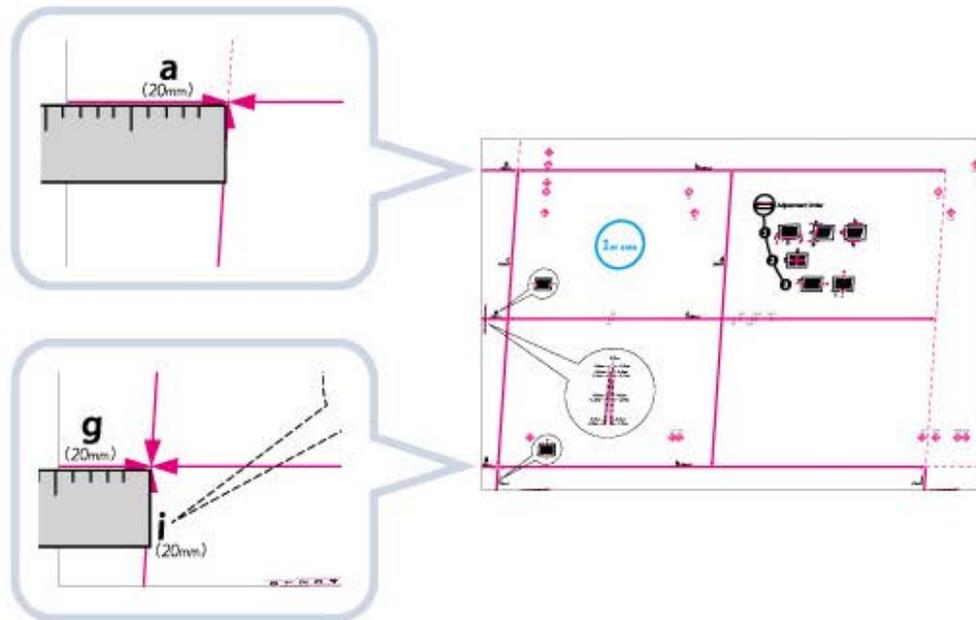
◆ **Marks for Correct Image Misalignment, Correct Distortion (Parallelogram), and Correct Distortion (Trapezoid)**

The 'i' and 'j' marks are used for Correct Image Misalignment, 'a' and 'g' marks are used for Correct Distortion (Parallelogram), and 'b' and 'h' marks are used for Correct Distortion (Trapezoid).

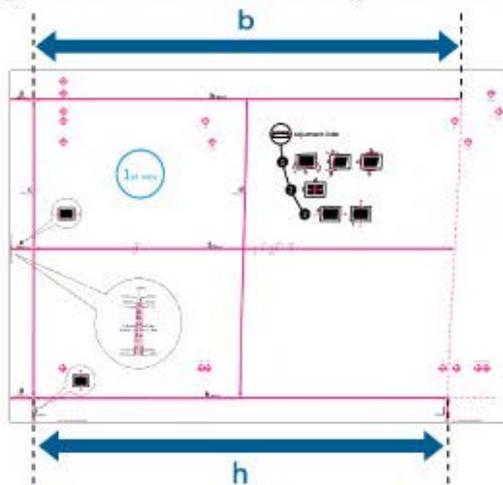
- If the printed image is misaligned, you can adjust the image position by specifying the Correct Image Misalignment mode. The image position is corrected after you measure and enter the length of the 'i' and 'j' marks.



- If the printed image is distorted like a parallelogram, you can adjust the angle of the image by specifying the Correct Distortion (Parallelogram) mode. The angle of the image is corrected after you measure and enter the length of the 'a' and 'g' marks.

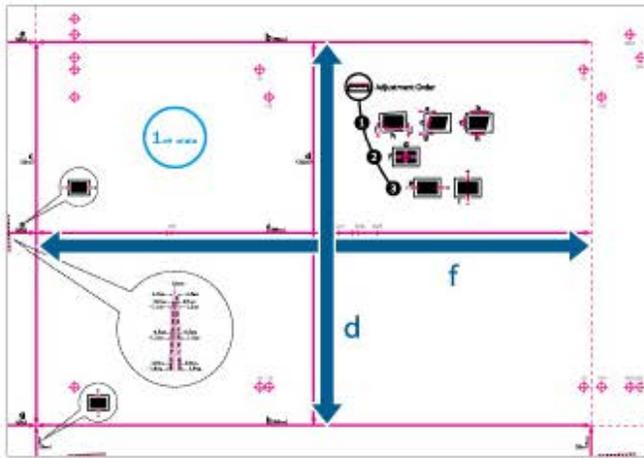


- If the printed image is distorted like a trapezoid, you can adjust the angle of the image by specifying the Correct Distortion (Trapezoid) mode. The angle of the image is corrected after you measure and enter the length of the 'b' and 'h' marks.



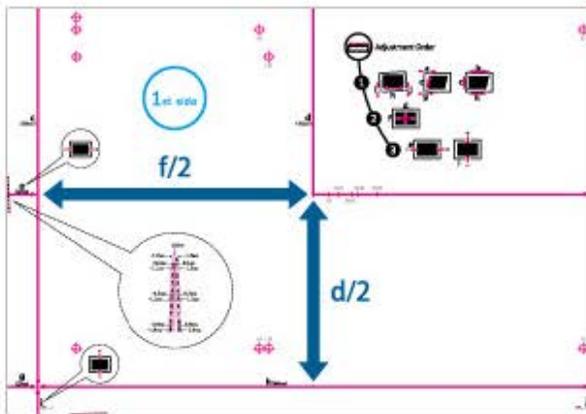
◆ **Register Marks for Adjusting the Zoom Ratio**

The zoom ratio of printed area is shown by 'f' and 'd' on the test page. When the setting is correct, the length of 'f' will be 360 mm and the length of 'd' will be 250 mm.



NOTE

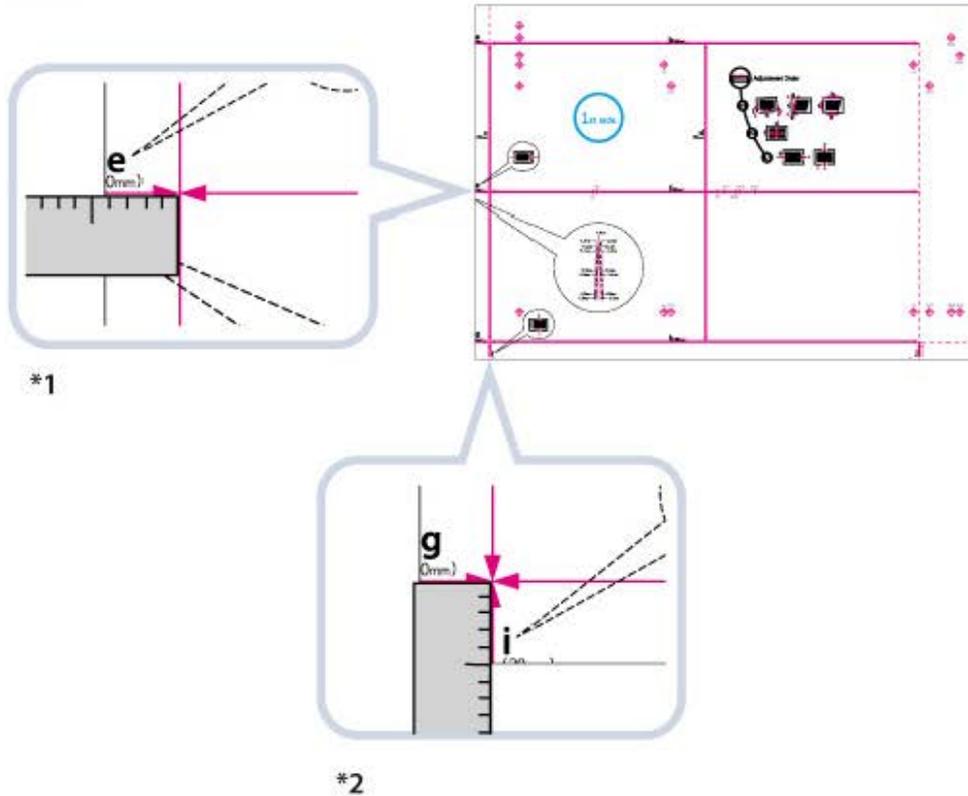
If you print the test page using paper smaller than 10 5/8" x 15" (270 mm x 380 mm), you cannot measure the length of 'f' and 'd' as the entire image will not be printed on the paper. In this case, calculate the expanding/reducing percentage by comparing the measured length of 'f/2' and 'd/2' with the default values (f/2: 180 mm, d/2: 125 mm). By using the calculated percentage, adjust the zoom ratio. (See "Adjusting the Zoom Ratio of the Image," on this guide.)



An Example of the Test Page Lacking an Image

◆ **Register Marks on the Left Edge and Lead Edge**

- If the printed image on the output paper is moved left and right from the correct position in the feeding direction, you can adjust the position by measuring the length of 'e' and entering the value.
- If the printed image on the output paper is moved back and forth from the correct position in the feeding direction, you can adjust the position by measuring the length of 'e' and entering the value.

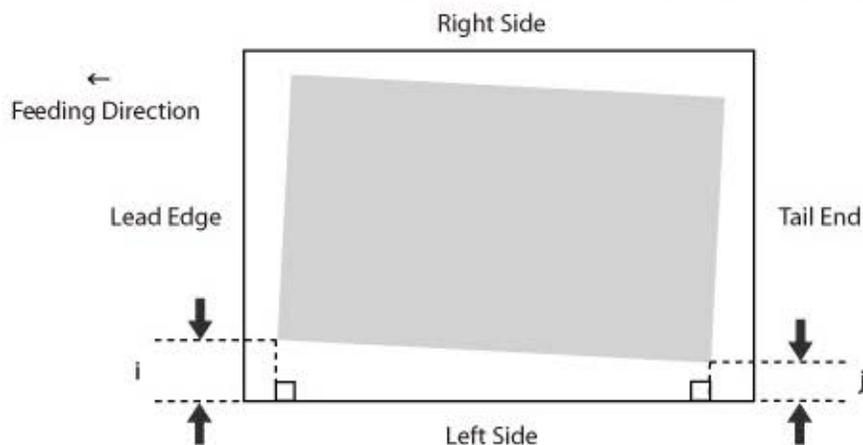


*1 Adjust the Lead Edge Alignment

*2 Adjust the Left Edge Alignment

Correct Image Misalignment

If the printed image is skewed, you may be able to correct the misaligned image by justifying margins of 'i', which is the distance from the left edge of the paper to the printing area, and 'j'.

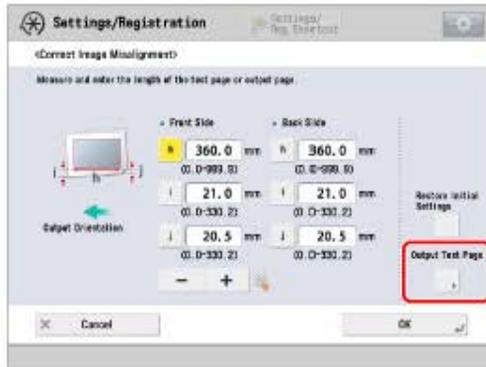


- 1 Press  (Settings/Registration).
- 2 Press [Preferences] → [Paper Settings] → [Paper Type Management Settings].
- 3 Select the paper type that you want to edit from the list → press [Details/Edit].
- 4 Press [Change] for <Adjust Image Position>.
- 5 Press [Set Details] → [Corr. Image Misalignment].

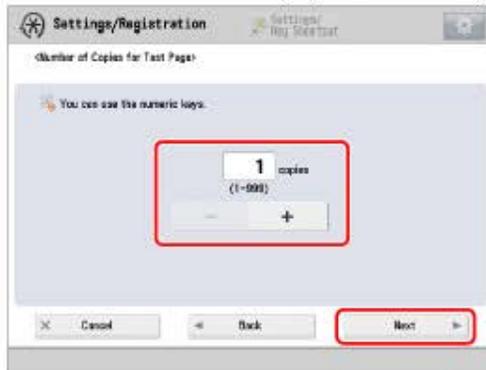


- **If you want to enter the values of the test page you measured manually:**

- Press [Output Test Page].



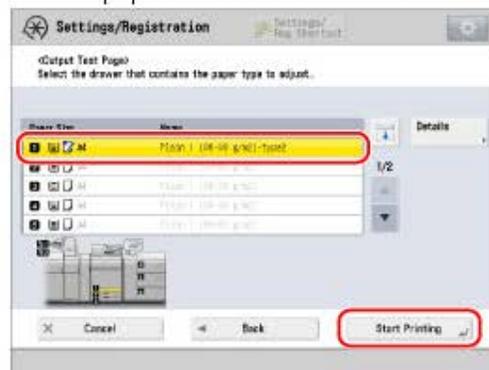
- Enter the number of test page to make → press [Next].



NOTE

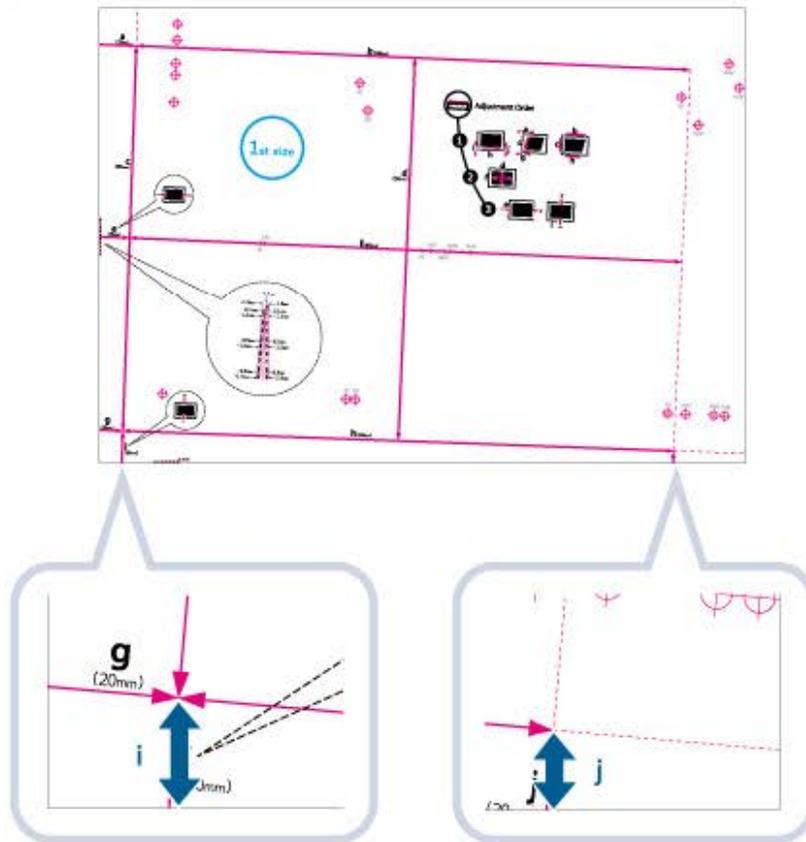
If the image position varies greatly, the accuracy of correction may be improved by printing several test pages and using an average of the measured length.

- Select a paper source that contains a custom paper size → press [Start Printing].



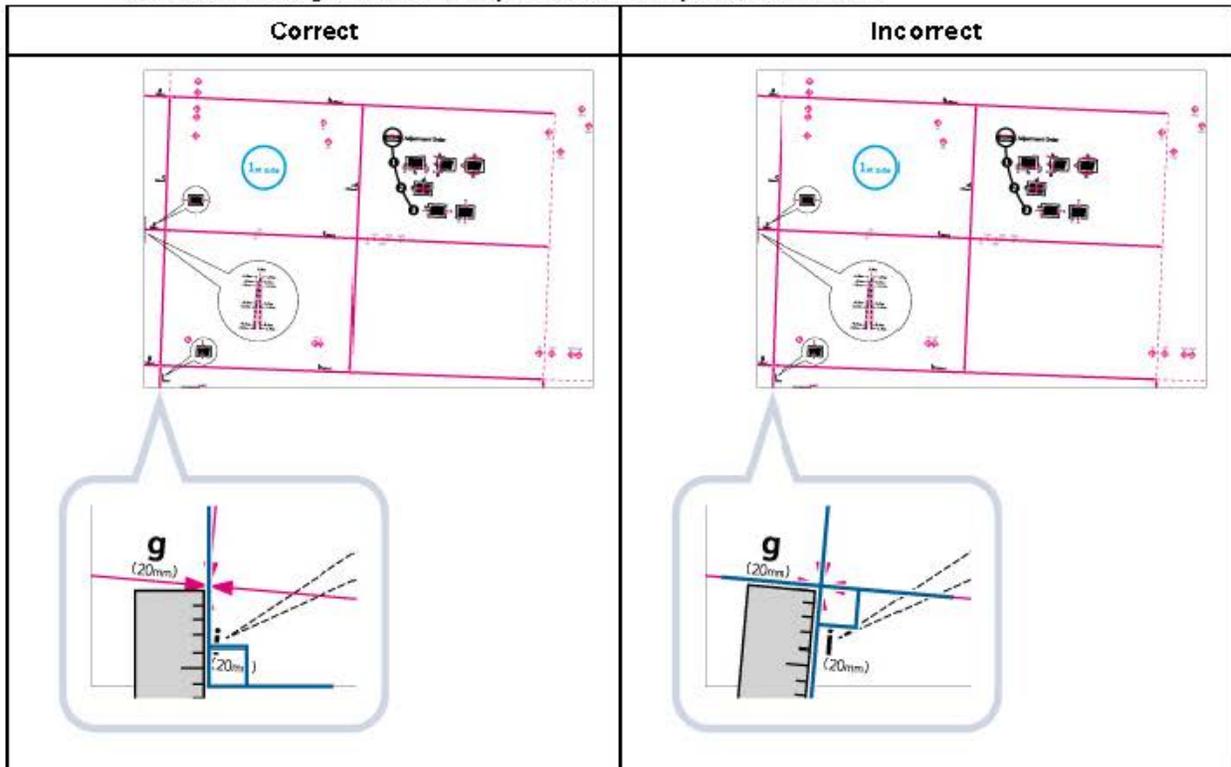
The test page is printed.

- Measure the length of the 'i' and 'j' marks on the test page.
The mark 'i' is printed on the left side lead edge and the mark 'j' is printed on the left side tail end of the feeding direction.



Example: 'i' = 21.0 mm, and 'j' = 20.5 mm

Measure the length of the 'i' and 'j' marks correctly as shown below.



- Return to the <Correct Image Misalignment> screen → enter the measured length of [i] and [j] for front and back sides.

Using the following two numerical values and "h = 360.0", a device adjusts so that the printing area and the paper may become parallel.



[i]: Enter the measured length of 'i' mark on the test page.

[j]: Enter the measured length of 'j' mark on the test page.

Following the example, enter 21.0 for 'i' and 20.5 for 'j'.

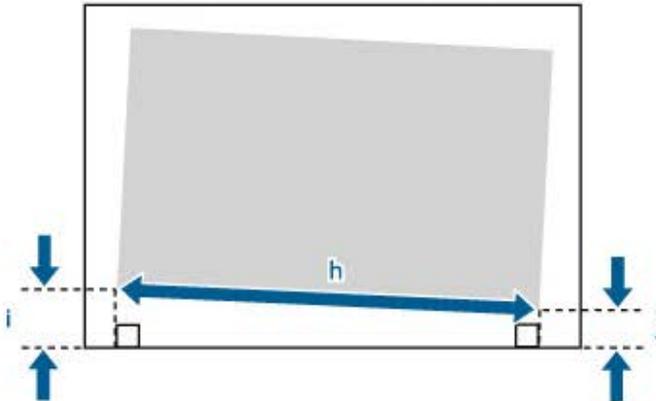
The difference between 'i' and 'j' (0.5 mm) is corrected.

- Press [OK].

Print a test page again and check the image position as needed. If you need to make a further adjustment, repeat steps above.

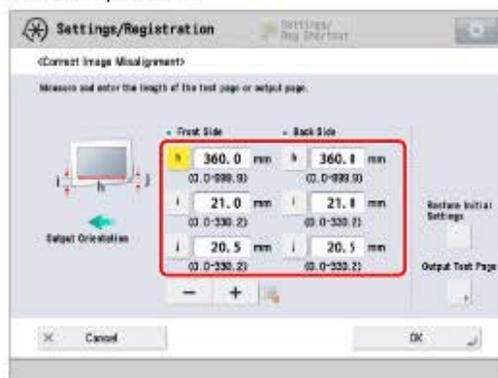
- **If you correct the position using any printed images:**

- Check the image position on the output paper.



Example: 'h' = 300.0 mm, 'i' = 19.0 mm, and 'j' = 18.0 mm

- Measure the following length on the output paper and enter the measured length. Using the following three numerical values, a device adjusts so that printing area and a paper may become parallel.



[h]: Enter the measured length of the left side on the printing area.

[i]: Enter the measured length from the left side lead edge of the printing area to the left side edge of the paper.

[j]: Enter the measured length from the left side tail end of the printing area to the left side edge of the paper.

Following the example, enter 300.0 for [h], 19.0 for [i], and 18.0 for [j].

The difference between 'i' and 'j' (1.0 mm) is corrected.

- Press [OK].

Print a test page again and check the image position as needed. If you need to make a further adjustment, repeat steps above.

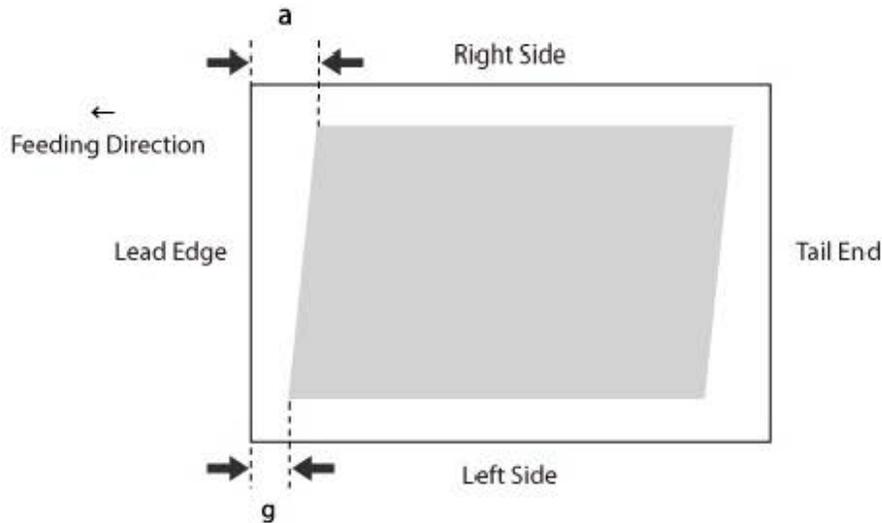
6 Press [OK] → [OK].

NOTE

- To restore the accumulated value, press [Restore Initial Settings].
- If register marks are printed on the output paper, the printed area is equal to the area inside the register marks.

Correct Distortion (Parallelogram)

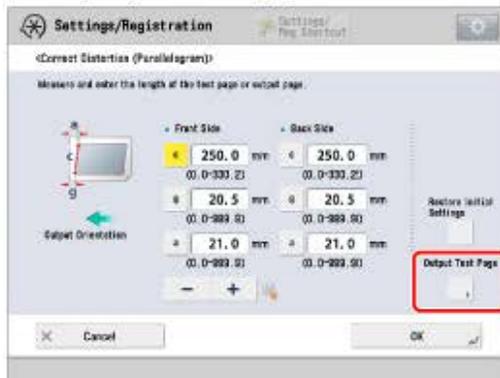
This setting enables you to correct the image shape by equalizing the length from the 'a' and 'g' to the lead edge of the paper when the image is printed like a parallelogram.



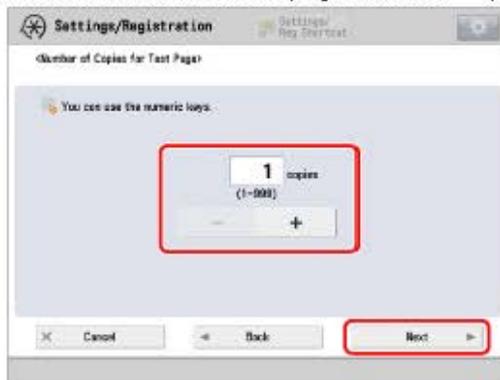
- 1 Press  (Settings/Registration).
- 2 Press [Preferences] → [Paper Settings] → [Paper Type Management Settings].
- 3 Select the paper type that you want to edit from the list → press [Details/Edit].
- 4 Press [Change] for <Adjust Image Position>.
- 5 Press [Set Details] → [Corr. Distort. (Parallelogram)].



- If you want to enter the values of the test page you measured manually:
 - Press [Output Test Page].



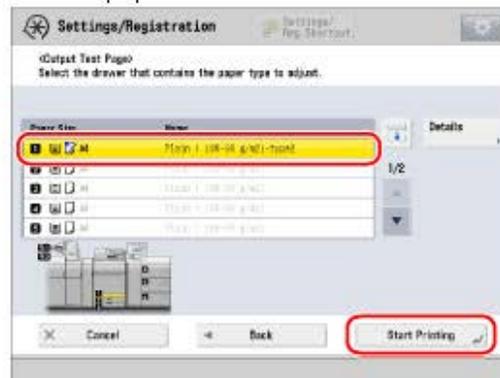
- Enter the number of test page to make → press [Next].



NOTE

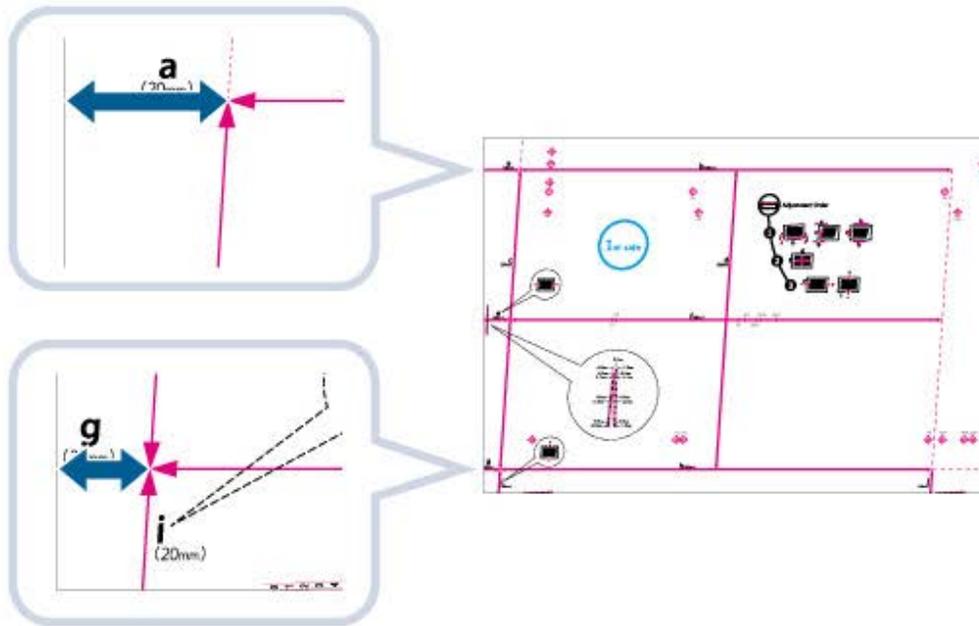
If the image position varies greatly, the accuracy of correction may be improved by printing several test pages and using an average of the measured length.

- Select a paper source that contains a custom paper size → press [Start Printing].

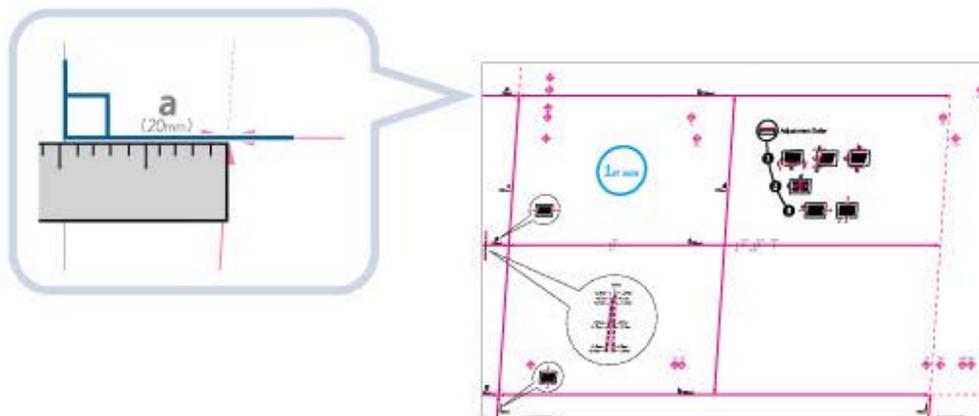


The test page is printed.

- Measure the length of the 'g' and 'a' marks on the test page.
The mark 'g' is printed on the left side lead edge, and the mark 'a' is printed on the right side lead edge of the feeding direction.

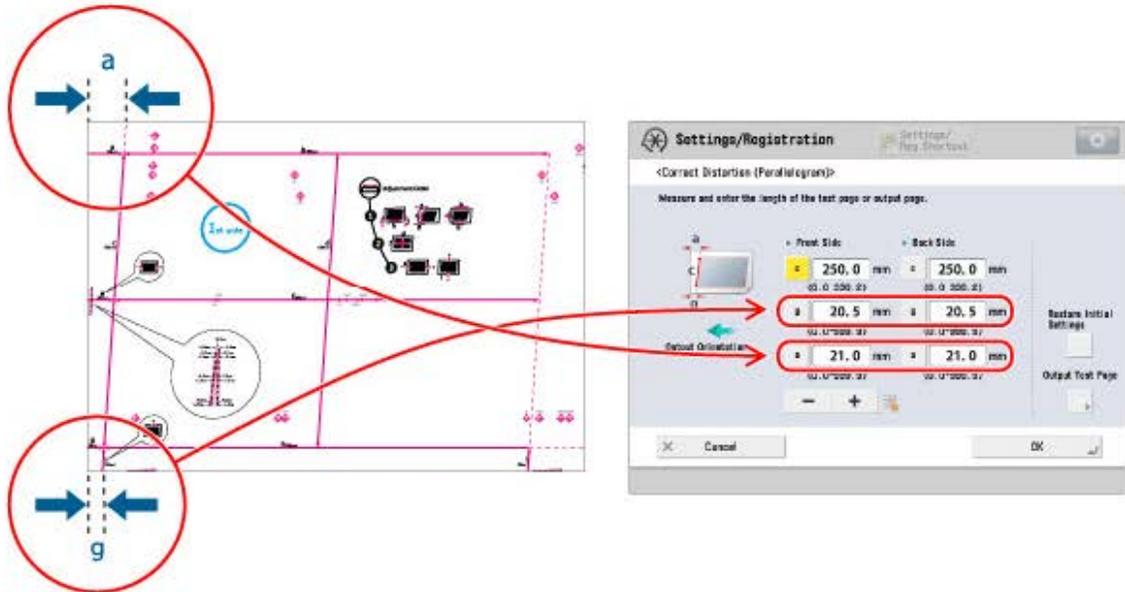


Example: 'g' = 20.5 mm, and 'a' = 21.0 mm
Measure the length of the 'g' and 'a' marks correctly as shown below.



- Return to the <Correct Distortion (Parallelogram)> screen → enter the measured length of [g] and [a] for front and back sides.

Using the following two numerical values and "c = 250.0", a device adjusts the length to correct distortion on the printing area.



[g]: Enter the measured length of 'g' mark on the test page.

[a]: Enter the measured length of 'a' mark on the test page.

Following the example, enter 20.5 for [g] and 21.0 for [a].

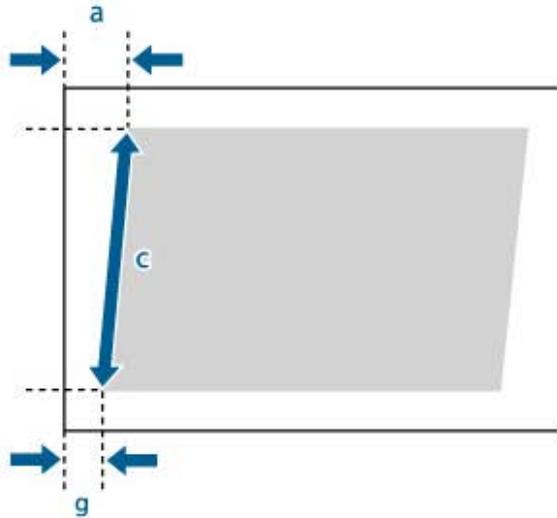
The difference between 'g' and 'a' (0.5 mm) is corrected.

- Press [OK].

Print a test page again and check the image position as needed. If you need to make a further adjustment, repeat steps above.

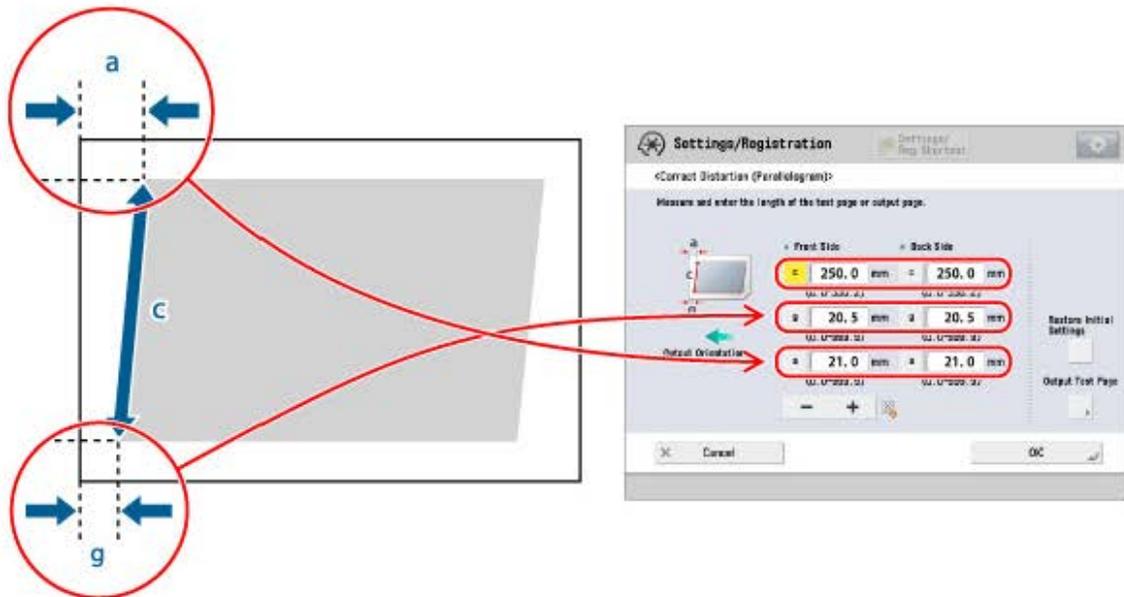
- **If you correct the position using any printed images:**

- Check the image position on the output paper.



Example: 'c' = 200.0 mm, 'g' = 15.0 mm, and 'a' = 15.5 mm

- Measure the following length on the output paper and enter the measured length. Using the following three numerical values, a device adjusts the length to correct distortion on the printing area.



[c]: Enter the measured length from the left side lead edge of the printing area to the right side lead edge of the printing area.

[g]: Enter the measured length from the left side lead edge of the printing area to the lead edge of the output paper.

[a]: Enter the measured length from the right side lead edge of the printing area to the lead edge of the output paper.

Following the example, enter 200.0 for [c], 15.0 for [g], and 15.5 for [a].

The difference between 'g' and 'a' (0.5 mm) is corrected.

- Press [OK].
Print a test page again and check the image position as needed. If you need to make a further adjustment, repeat steps above.

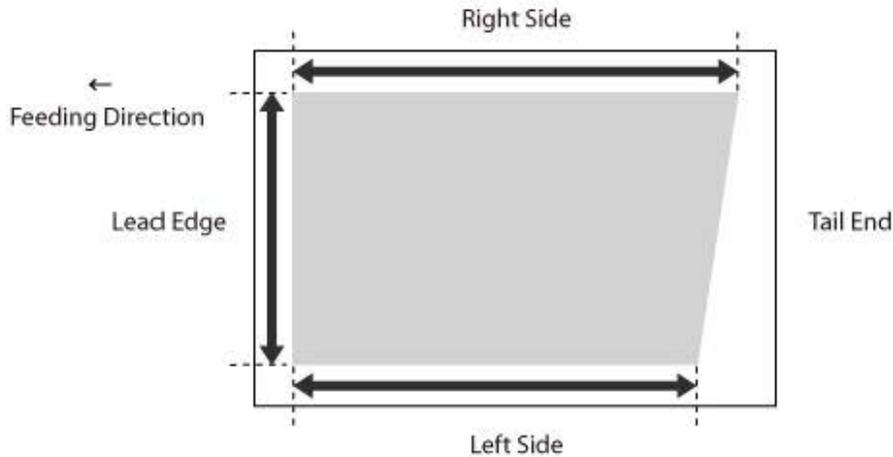
6 Press [OK] → [OK].

NOTE

- To restore the accumulated value, press [Restore Initial Settings].
- If register marks are printed on the output paper, the printed area is equal to the area inside the register marks.

Correct Distortion (Trapezoid)

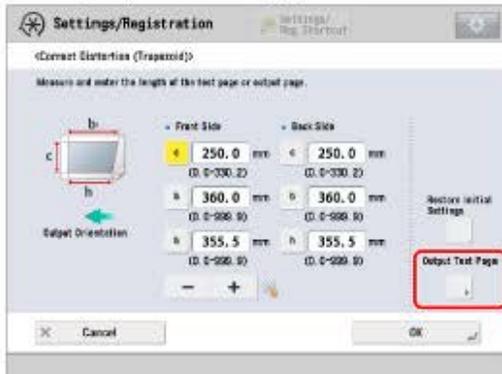
This setting enables you to correct the image shape by equalizing the length of the right and left side of the printing area when the image is printed like a trapezoid.



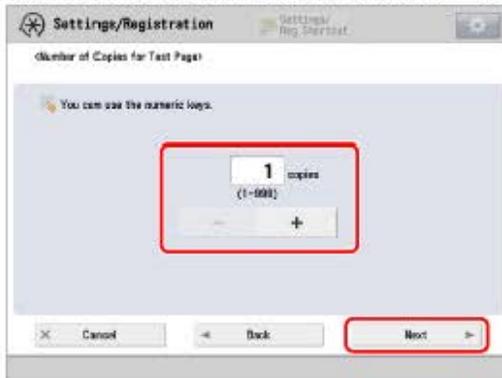
- 1 Press  (Settings/Registration).
- 2 Press [Preferences] → [Paper Settings] → [Paper Type Management Settings].
- 3 Select the paper type that you want to edit from the list → press [Details/Edit].
- 4 Press [Change] for <Adjust Image Position>.
- 5 Press [Set Details] → [Corr. Distort. (Trapezoid)].



- If you want to enter the values of the test page you measured manually:
 - Press [Output Test Page].



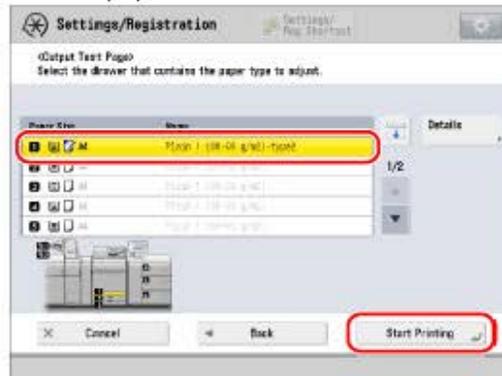
- Enter the number of test page to make → press [Next].



NOTE

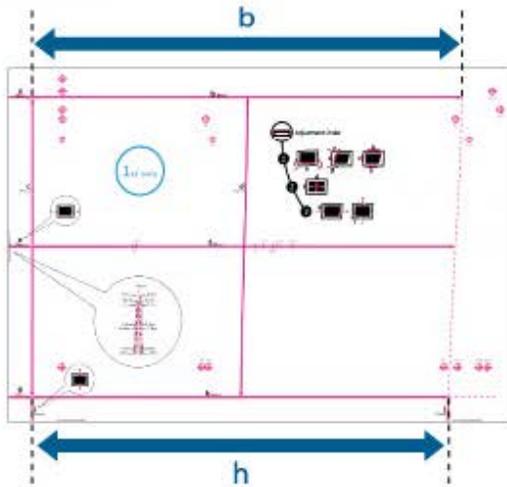
If the image position varies greatly, the accuracy of correction may be improved by printing several test pages and using an average of the measured length.

- Select a paper source that contains a custom paper size → press [Start Printing].



The test page is printed.

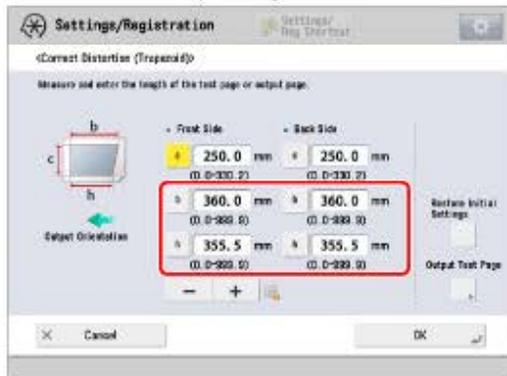
- Measure the length of the 'b' and 'h' marks on the test page.
The mark 'b' is printed on the right side and the mark 'h' is printed on the left side of the feeding direction.



Example: 'b' = 360.0 mm, and 'h' = 355.5 mm

- Return to the <Correct Distortion (Trapezoid)> screen → enter the measured length of [h] and [h] for front and back sides.

Using the following two numerical values and "c = 250.0", a device adjusts the length to correct distortion on the printing area.



[b]: Enter the measured length of 'b' mark on the test page.

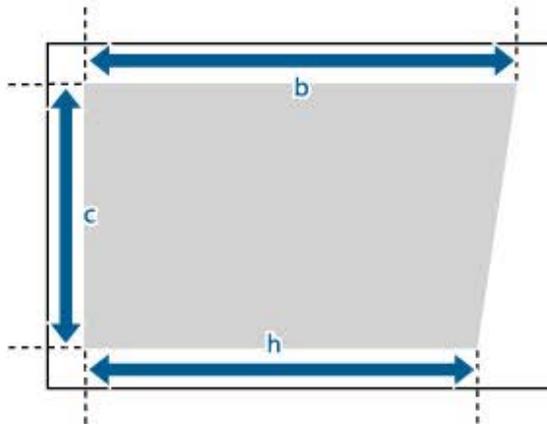
[h]: Enter the measured length of 'h' mark on the test page.

Following the example, enter 360.0 for [b] and 355.5 for [h].

The difference between 'b' and 'h' (0.5 mm) is corrected.

- Press [OK].
Print a test page again and check the image position as needed. If you need to make a further adjustment, repeat steps above.

- **If you correct the position using any printed images:**
 - Check the image position on the output paper.



Example: 'c' = 200.0 mm , 'b' = 300.0 mm , and 'h' = 299.5 mm

- Measure the following length on the output paper and enter the measured length. Using the following three numerical values, a device adjusts so that the distorted printing area may be corrected.



[c]: Enter the measured length from the left side lead edge of the printing area to the right side lead edge of the printing area.

[b]: Enter the measured length from the right side lead edge of the printing area to the right side tail end of the printing area.

[h]: Enter the measured length from the left side lead edge of the printing area to the left side tail end of the printing area.

Following the example, enter 200.0 for [c], 300.0 for [b], and 299.5 for [h].

The difference between 'b' and 'h' (0.5 mm) is corrected.

- Press [OK].
Print a test page again and check the image position as needed. If you need to make a further adjustment, repeat steps above.

6 Press [OK] → [OK].

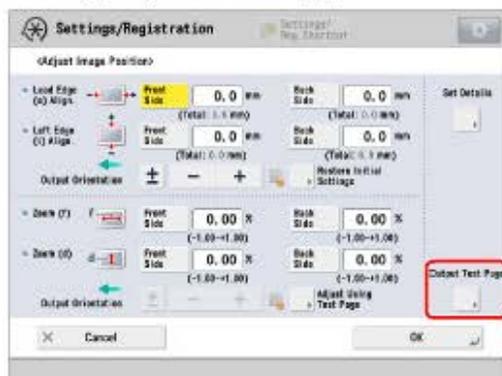
NOTE

- To restore the accumulated value, press [Restore Initial Settings].
- If register marks are printed on the output paper, the printed area is equal to the area inside the register marks.

Adjusting the Zoom Ratio of the Image

Depending on the paper type, the heat generated by the fixing unit may cause the paper to expand or shrink slightly. In this case, images may also be enlarged or reduced accordingly. This function enables you to set the zoom ratio of the image for each paper, or enlarge the reduced image to match the zoom ratio of the image on the second side of the paper. You can adjust the zoom ratio of the image either by entering the enlargement/reduction ratio, or by entering the value of the test page you measured manually.

- 1 Press  (Settings/Registration).
- 2 Press [Preferences] → [Paper Settings] → [Paper Type Management Settings].
- 3 Select the paper type that you want to edit from the list → press [Details/Edit].
- 4 Press [Change] for <Adjust Image Position>.
- 5 Press [Output Test Page].



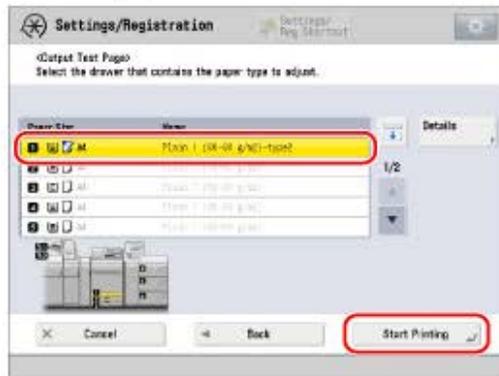
- 6 Enter the number of test pages to make → press [Next].



NOTE

If the image position varies greatly, the accuracy of correction may be improved by printing several test pages and using an average of the measured length.

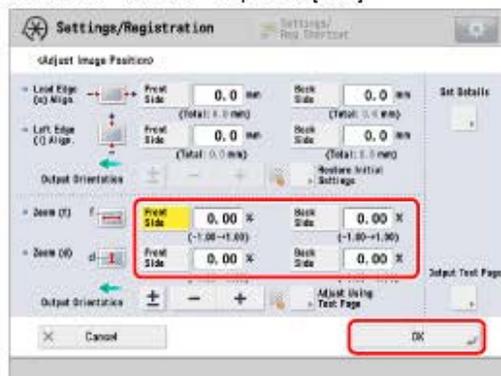
7 Select a paper source that contains a custom paper size → press [Start Printing].



The test page is printed.

8 Return to the <Adjust Image Position> screen → set the zoom ratio.

- If you enter the enlargement/reduction ratio (%):
 - Set the enlargement/reduction ratio (%) for <Zoom (f)> and <Zoom (d)> on <Adjust Image Position> screen → press [OK].

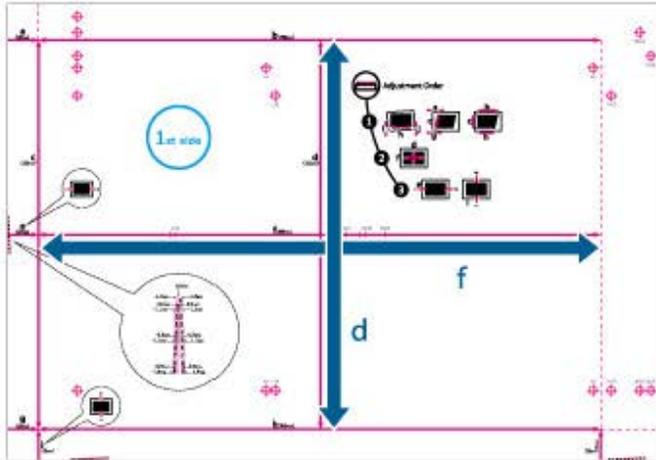


<Zoom (f)>: Enlarges or reduces the image in the direction that is parallel to the feeding direction according to the inputted ratio.

<Zoom (d)>: Enlarges or reduces the image in the direction that is perpendicular to the feeding direction according to the inputted ratio.

As necessary, try printing the test page again and then check the correction amount.

- **If you enter the value of the test page you measured manually:**
 - Measure the length of the 'f' and 'd' marks on the test page manually.
Default value: f = 360.0 mm, d = 250.0 mm



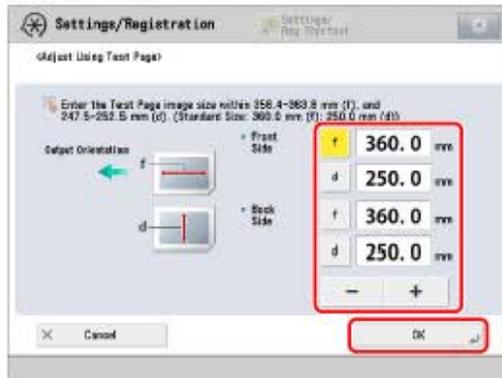
NOTE

If you print the test page using paper smaller than 10 5/8" x 15" (270 mm x 380 mm), you cannot measure the length of 'f' and 'd' as the entire image will not be printed on the paper. In this case, calculate the expanding/reducing percentage by comparing the measured length of 'f/2' and 'd/2' with the default values (f/2: 180 mm, d/2: 125 mm). By using the calculated percentage, adjust the zoom ratio.

- Press [Adjust Using Test Page].



- Enter the length of the test page on front and back sides → press [OK].
For example, if the measured length of [f] is 360.4 mm, enter 360.4. The difference in length (0.4 mm in this case), is reduced, so that the image is printed in the correct size.



[f]: Enter the measured length of 'f' mark on the test page.

[d]: Enter the measured length of 'd' mark on the test page.

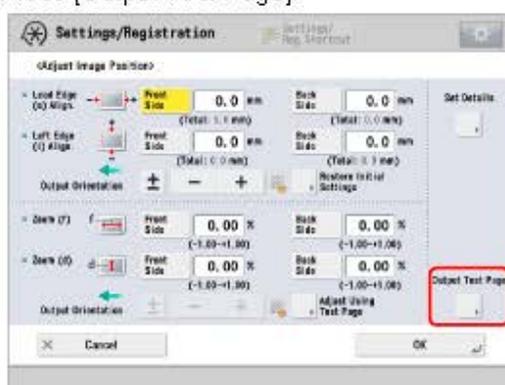
As necessary, try printing the test page again and then check the correction amount.

9 Press [OK].

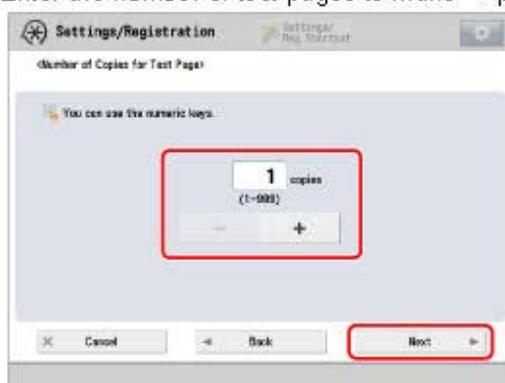
Adjusting Left Edge Alignment of the Image

In the feeding direction, if the image position on the output paper is moved left and right from the correct position, the misaligned image position may be corrected by adjusting the margin on the left edge of the paper.

- 1 Press  (Settings/Registration).
- 2 Press [Preferences] → [Paper Settings] → [Paper Type Management Settings].
- 3 Select the paper type that you want to edit from the list → press [Details/Edit].
- 4 Press [Change] for <Adjust Image Position>.
 - If you enter the difference from the measured length of the test page:
 - Press [Output Test Page].



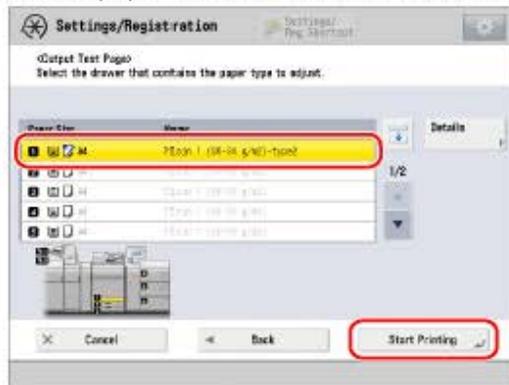
- Enter the number of test pages to make → press [Next].



NOTE

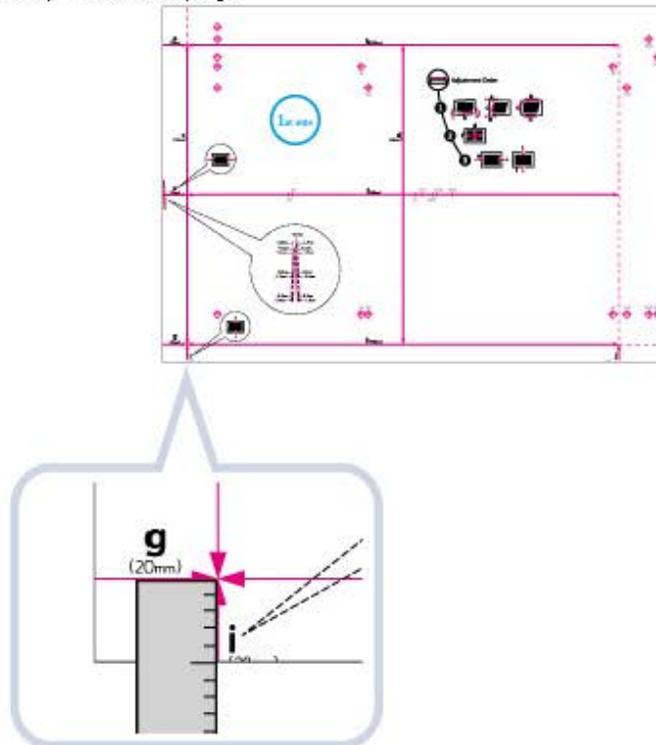
If the image position varies greatly, the accuracy of correction may be improved by printing several test pages and using an average of the measured length.

- Select a paper source that contains a custom paper type → press [Start Printing].



The test page is printed.

- Return to the <Adjust Image Position> screen and measure the length of 'i' on front and back sides of the printed test page.



Default value: 'i' = 20.0 mm

- Enter the difference in length between the measured value of 'l' and the default value (20 mm) for front and back sides.

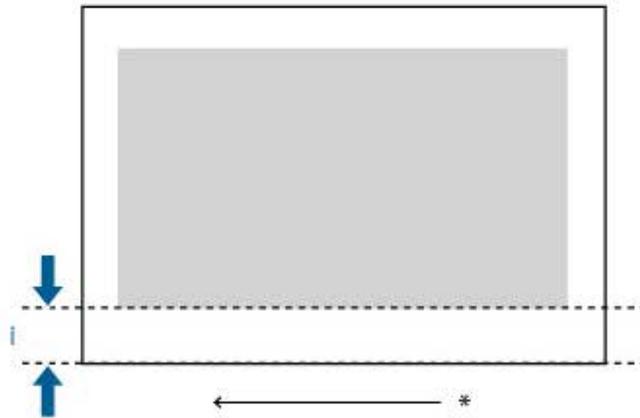


For example, if the measured length of 'l' is 21.5 mm, enter - 1.5 mm for <Left Edge (l) Align.>. For example, if the measured length of 'l' is 18.5 mm, enter + 1.5 mm for <Left Edge (l) Align.>. The difference of 1.5 mm between the measured length and the default value is corrected.

- Press [OK].
As necessary, try printing the test page again and then check the correction amount.

- **If you correct the position using any printed images:**

- Check the image position on the output paper.



* Feeding Direction

- Measure the length of 'l', which is the distance from the left edge of the printed area to the left edge of the paper, and enter the difference from the default value (20 mm).



For example, if the measured length of 'l' is 21.0 mm, enter - 1.0 mm for <Left Edge (l) Align.>. For example, if the measured length of 'l' is 19.0 mm, enter + 1.0 mm for <Left Edge (l) Align.>. The 1.0 mm difference between the measured value and the default value is corrected.

- Press [OK].
As necessary, try printing the paper again and then check the correction amount.

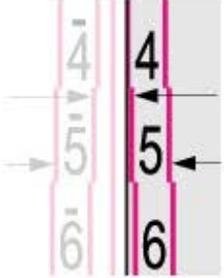
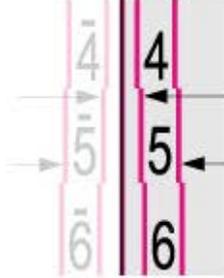
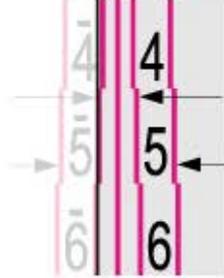
5 Press [OK].

IMPORTANT

When you open the screen again after you close the screen by pressing [OK], the values on screen are returned to '0'. However, the adjusted value is still effective in each Total field. If you repeat the step, check the length of 'l' on the new test page and enter the new value.

NOTE

- To restore the accumulated value, press [Restore Initial Settings].
- You can also correct the image position by using the value of register marks shown below. Check whether the center line of the register mark and the edge of the test page are aligned, and adjust the image position as follows:
 - If the center line of the register mark overlaps the edge of the test page exactly, it is unnecessary to adjust the image position.
 - If the center line of the register mark is outside the edge of the test page (the center line of the register mark is NOT printed), check to see which register mark's number the test page line is next to, and input the positive value.
 - If the center line of the register mark is inside the edge of the test page, check to see which register mark's number the test page line is next to, and input the negative value.

Center Line of the Register Mark Is Outside the Edge of the Test Page	Center Line of the Register Mark Overlaps the Edge of the Test Page Exactly	Center Line of the Register Mark Is Inside the Edge of the Test Page
		
↓ Input "+ 4" to Adjust	↓ Adjusted Correctly	↓ Input "- 6" to Adjust

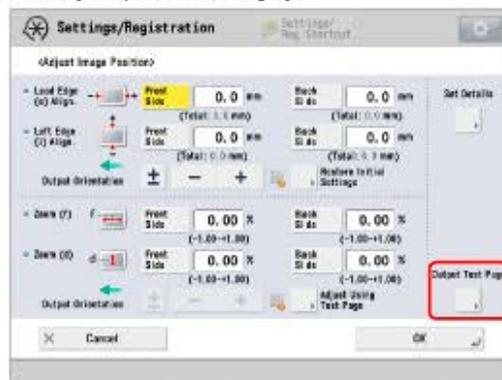
Adjusting Lead Edge Alignment of the Image

In the feeding direction, if the printed image on the output paper is moved back and forth from the correct position, the misaligned image may be corrected by adjusting the margin on the lead edge of the paper.

- 1 Press  (Settings/Registration).
- 2 Press [Preferences] → [Paper Settings] → [Paper Type Management Settings].
- 3 Select the paper type that you want to edit from the list → press [Details/Edit].
- 4 Press [Change] for <Adjust Image Position>.

- If you enter the difference from the measured length of the test page:

- Press [Output Test Page].



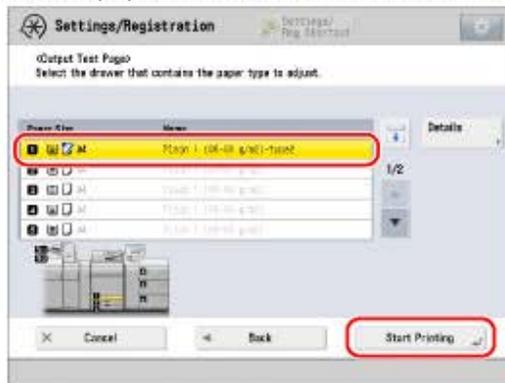
- Enter the number of test pages to make → press [Next].



NOTE

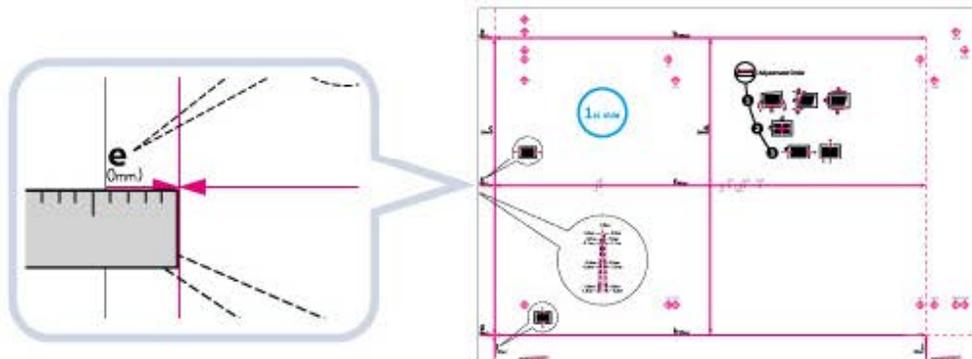
If the image position varies greatly, the accuracy of correction may be improved by printing several test pages and using an average of the measured length.

- Select a paper source that contains a custom paper type → press [Start Printing].



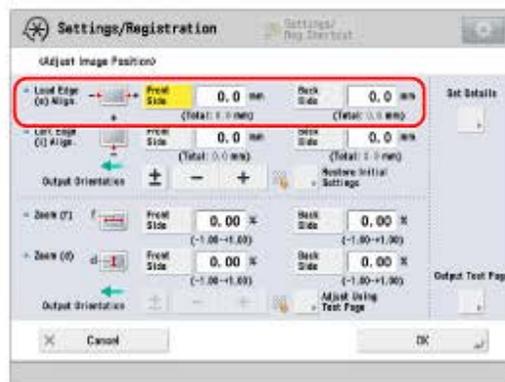
The test page is printed.

- Return to the <Adjust Image Position> screen and measure the length of 'e' on front and back sides of the printed test page.



Default value: 'e' = 20.0 mm

- Enter the difference in length between the measured value of 'e' and the default value (20 mm) for front and back sides.

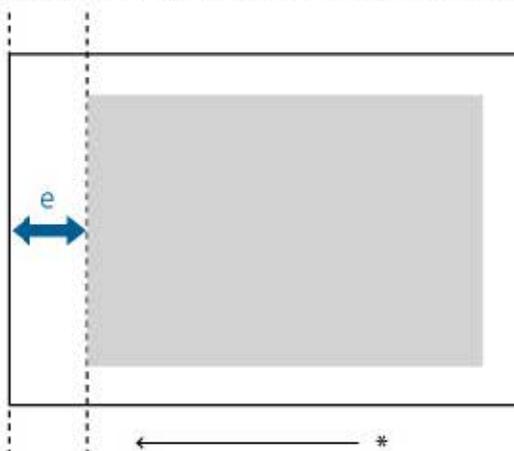


For example, if the measured length of 'e' is 21.0 mm, enter - 1.0 mm for <Lead Edge (e) Align.>. For example, if the measured length of 'e' is 19.0 mm, enter + 1.0 mm for <Lead Edge (e) Align.>. The difference of 1.0 mm between the measured length and the default value is corrected.

- Press [OK].
As necessary, try printing the test page again and then check the correction amount.

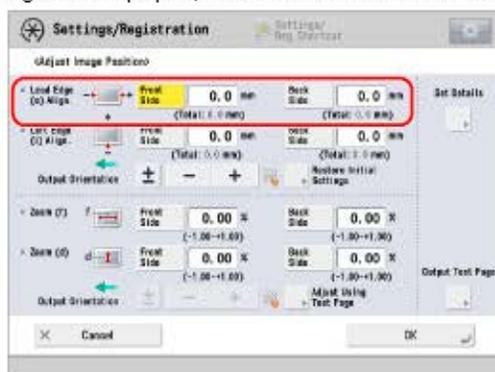
- **If you correct the position using any printed images:**

- Check the image position on the output paper.



* Feeding Direction

- Measure the length of 'e', which is the distance from the lead edge of the printed area to the lead edge of the paper, and enter the difference from the default value (20 mm).



For example, if the measured length of 'e' is 21.5 mm, enter - 1.5 mm for <Left Edge (j) Align.>.

For example, if the measured length of 'e' is 18.5 mm, enter + 1.5 mm for <Left Edge (j) Align.>.

The difference of 1.5 mm between the measured length and the default value is corrected.

- Press [OK].

As necessary, try printing the paper again and then check the correction amount.

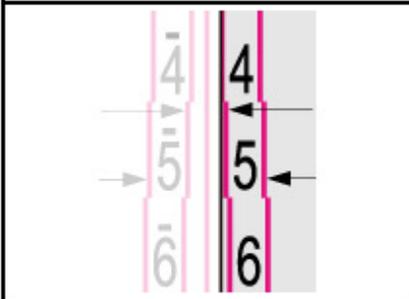
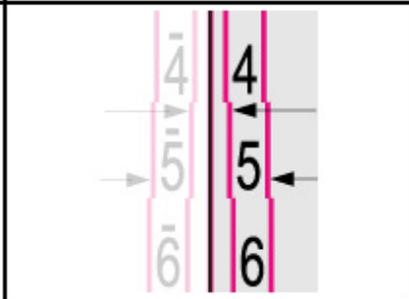
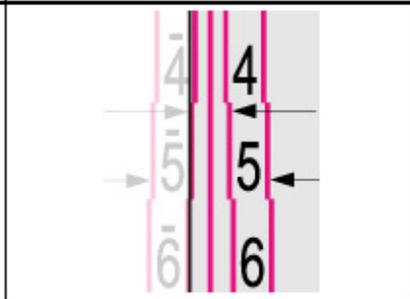
5 Press [OK].

IMPORTANT

When you open the screen again after you close the screen by pressing [OK], the values on screen are returned to '0'. However, the adjusted value is still effective in each Total field. If you repeat the step, check the length of 'e' on the new test page and enter the new value.

NOTE

- To restore the accumulated value, press [Restore Initial Settings].
- You can also correct the image position by using the value of register marks shown below. Check whether the center line of the register mark and the edge of the test page are aligned, and adjust the image position as follows:
 - If the center line of the register mark overlaps the edge of the test page exactly, it is unnecessary to adjust the image position.
 - If the center line of the register mark is outside the edge of the test page (the center line of the register mark is NOT printed), check to see which register mark's number the test page line is next to, and input the positive value.
 - If the center line of the register mark is inside the edge of the test page, check to see which register mark's number the test page line is next to, and input the negative value.

Center Line of the Register Mark Is Outside the Edge of the Test Page	Center Line of the Register Mark Overlaps the Edge of the Test Page Exactly	Center Line of the Register Mark Is Inside the Edge of the Test Page
		
↓ Input "+ 4" to Adjust	↓ Adjusted Correctly	↓ Input "- 6" to Adjust

PRODUCTS AFFECTED / SERIAL NUMBERS AFFECTED:
imagePRESS C800 Series**SUBJECT:**
imagePRESS C800 Series Quality Assurance Kits**GENERAL:**

This Technical Publication announces the release of Quality Assurance Kits for the imagePRESS C800 Series.

DETAILS:

In order to help reduce service time, and increase efficiency, each of the imagePRESS C800's Quality Assurance Kits have been created according to the engine's sub section and service part durability life.

The subsequent imagePRESS C800 Series Quality Assurance Kits are now available.

Quality Assurance Kit	Part Number	Approximate Installation Interval		
		imagePRESS C800	imagePRESS C700	imagePRESS C60
IPR C800 CHARGING WIRE KIT	F02-6301-000	600,000	500,000	300,000
IPR C800 DEVELOPER KIT	F02-6303-000	750,000	750,000	750,000
IRADC90/IPRC800 BLK DRM CLN	F02-6103-010	1,000,000	900,000	400,000

NOTE:

Due to limited supplies of service parts, only three Quality Assurance Kits are available at this time. Additional kits will be made available in the near future.

IMPORTANT NOTES:

- Even though the Quality Assurance Kits do not contain all of the imagePRESS C800 Series durability parts, it will still be necessary to replace these durability parts at the appropriate service intervals.
- The durability life for each durability part is calculated based on letter sized paper; therefore, the durability counters for the durability parts will increment twice for larger sized paper.
- The durability life for most the durability parts vary between the imagePRESS C800, imagePRESS C700, and imagePRESS C60.

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**imagePRESS C800 Series Charging Wire Kit
F02-6301-000**

Part Name	Part Number	Q'TY
GRID PLATE	FC0-9857-000	1
PRIMARY CHARGING WIRE	FL2-8915-000	1
GRID CLEANING PAD	FL3-4090-000	1
PRIMARY CHARGING WIRE CLEANING PAD HOLDER	FL3-7560-000	1
PRIMARY CHARGING WIRE CLEANING PAD SLIDER	FL2-7750-000	1
PRE-TRANSFER CHARGING WIRE	FL2-8807-000	1
PRE-TRANSFER CHARGING WIRE CLEANING PAD SLIDER	FL2-7750-000	1
PRE-TRANSFER CHARGING WIRE CLEANING PAD HOLDER	FL3-7560-000	1

**imagePRESS C800 Series Developer Kit
F02-6303-000**

Part Name	Part Number	Q'TY
DEVELOPING ASSEMBLY (Bk)	FM1-C717-000	1
DEVELOPING ASSEMBLY (Y)	FM1-C714-000	1
DEVELOPING ASSEMBLY (M)	FM1-C715-000	1
DEVELOPING ASSEMBLY (C)	FM1-C716-000	1

**imageRUNNER ADVANCE C9000 Series \ imagePRESS C800 Series
Black Drum Cleaning Kit
F02-6103-010**

Part Name	Part Number	Q'TY
REAR EDGE SCRAPER (Bk)	FL2-8654-000	1
DRUM CLEANING SCOOP-UP SHEET (Bk)	FL2-8652-000	1
DRUM CLEANING BLADE (Bk)	FC8-2281-000	1
FRONT EDGE SCRAPER (Bk)	FL2-8653-000	1

NOTE:

Quality Assurance Kit F02-6103-010 is also used on the imageRUNNER ADVANCE C9075 PRO Series.

