RIGOH	Technical I	Bulletin		No. RTB-005
SUBJECT: F400/F410 Dual Jo (manual correction)	ob Feeder separa	tion belts		DATE:SEP.15.'93 PAGE: 1 of 3
PREPARED BY: S.MANO CHECKED BY:		FROM: Copier	Technic	cal Support Group
CLASSIFICATION: Action Required Troubleshooting Retrofit Information	Revision of s Information of the other	service manual only	MOD	EL: F400/F410

The quantity of the separation belt have been changed from two to four.

Reason of the modification:

On the original printed by the laser printer, the toner may not be fused sufficiently and the image may smeared by the separation belts.

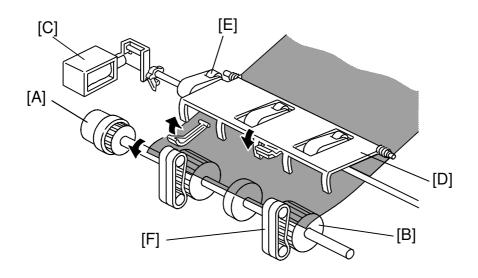
To prevent this, two more separation belts are added to widen the contacting area between the separation belts and the original so that the separation pressure is not concentrated to the narrow area.

After this modification, these separation belts are still PM parts and the replacement interval is 1PM (120k copies) as same as before this modification.

Because of this modification, the illustrations in page 7, 14, 15, 34 and 35 should be changed. The quantity of the separation belts should be doubled. There is no correction except illustrations.

Manual corrections:

Page 7 - upper illustration







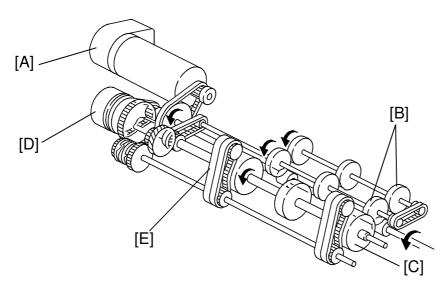
No. RTB-005

SUBJECT: F400/F410 Dual Job Feeder separation belts

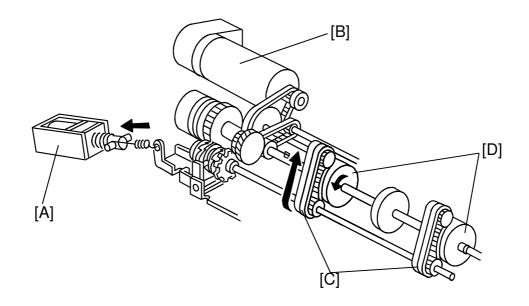
(manual correction)

r separation belts DATE:SEP.15.'93 PAGE: 2 of 3

Page 14 lower illustration



Page 15 illustration





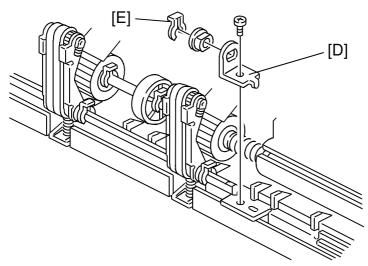
No. RTB-005

SUBJECT: F400/F410 Dual Job Feeder separation belts

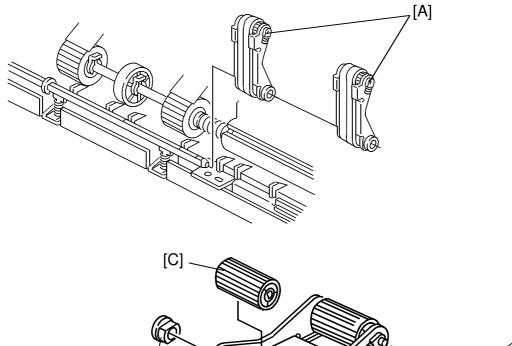
DATE:SEP.15.'93 PAGE: 3 of 3

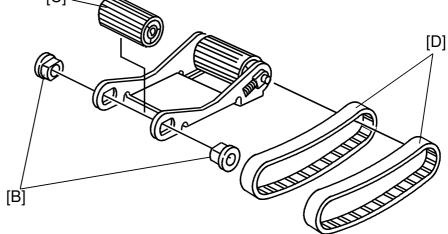
(manual correction)

Page 34 lower illustration



Page 35 illustrations







No. RTB-006

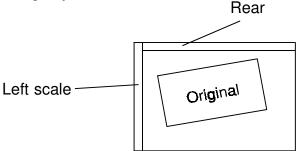
SUBJECT: F400/F410 Troubleshooting

DATE:Nov.30, '93 PAGE: 7 of 10

9. DJF Original Skew

< Phenomenon>

If original skews occur as illustrated even if the DJF height is correctly adjusted, perform the following adjustment.



< Possible cause>

This skew is caused because the transport belt is faster than the feed-in motor speed, even if both motor speeds are within the specification.

< Countermeasure>

1. Feed-in motor speed adjustment

Adjust the feed-in motor speed so that the motor speed becomes higher (within specification).

- 1-1 Turn DIP SW 101-1, 2, 4 to "ON".
- 1-2 Turn DIP SW 102-1 to "ON".
- 1-3 Turn VR 103 towards "H" to turn LED 101 (Red) on.
- 1-4 Turn VR 103 towards "L" to turn LED 102 (Green) on.

2. Transport belt motor speed adjustment

Adjust the transport belt motor speed so that the motor speed becomes lower (within specification).

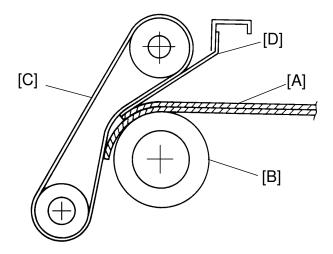
- 1-1 Turn DIP SW 101-1, 2, 4 to "ON".
- 1-2 Turn DIP SW 102-2 to "ON".
- 1-3 Turn VR 104 towards "L" to turn LED 103 (Red) on.
- 1-4 Turn VR 104 towards "H" to turn LED 102 (Green) on.

RIGOH	Technical	No. RTB-008		
SUBJECT: DJF Multiple feeding	g			DATE:Nov.30, '93 PAGE: 1 of 2
PREPARED BY: S. MANO CHECKED BY:		FROM: Copier	Technic	cal Support Group
CLASSIFICATION: Action Required Troubleshooting Retrofit Information	Revision of s	service manual only	MOD	EL: F400/F410

< Phenomenon >

Original multiple feeding occurs when there is high friction between the originals. This tends to occur especially when the originals have staple holes, or computer forms with rough edges.

< Possible cause >



When the originals [A] comes between the feed rollers [B] and the separation belts [C], they meet the mylar [D] between them and the separation belts. This guide mylar transports the originals smoothly to the gap between the feed rollers and the separation belts. The mylar length determines the original separation force. If the mylar is longer, the area where the originals touch the separation belt becomes narrower, therefore the separation force become weaker. If the mylar is shorter, the separation force becomes stronger. (If it is too short, too much separation force stops original feed) As a result of our investigation, we found that making the mylar 2mm shorter is the best condition (higher separation ability without feeding error).



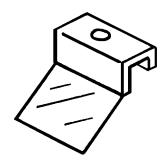
No. RTB-008

SUBJECT: DJF Multiple feeding DATE:Nov.30, '93 PAGE: 2 of 2

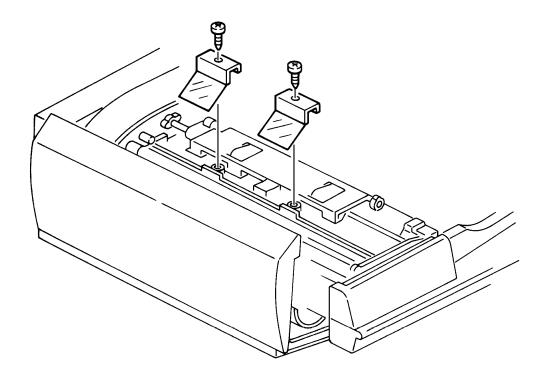
< Countermeasure >

Replace the original guide mylars (2 mylars per machine). New part is the assembled part of the mylar and the bracket. New part number is A3761254.

For the cut-in serial number, please refer to the modification bulletin which will be issued soon.



Guide mylar ass'y: Part number A3761254





No. RTB-009

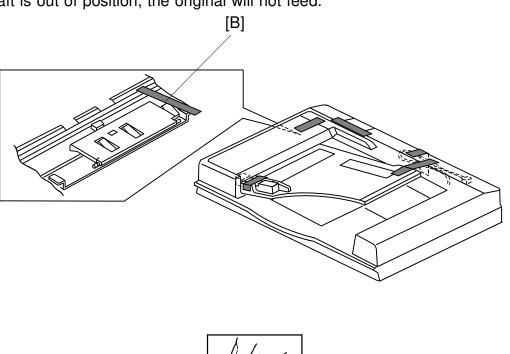
SUBJECT: Installation procedure

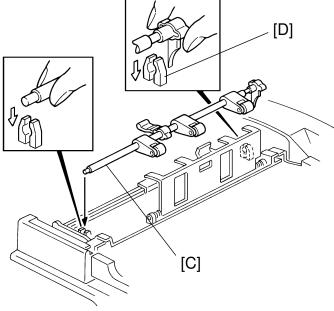
DATE:Nov.30, '93 PAGE: 2 of 3

3. Caution for DJF shipping tape removal (dual job feeder service manual - installation procedure page, 24)

When removing the tape [B] fixing the original press roller shaft [C], be careful to confirm that the shaft is correctly in the holder [D]. It is possible that the shipping tape adheres strongly to the shaft. The shaft migit be pulled out from the holder when the tape is removed.

If the shaft is out of position, the original will not feed.





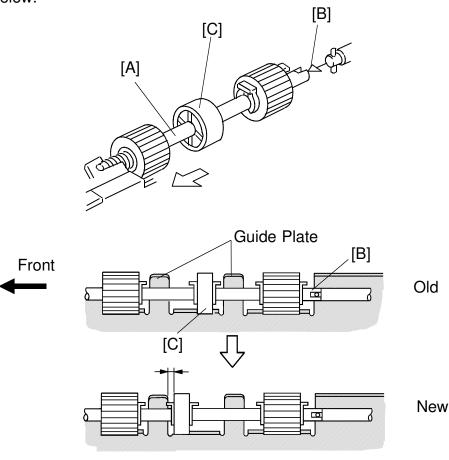
RIGOH	Technical	Bulletin		No. RTB-010
SUBJECT: DJF feed roller ass	embly replaceme	nt		DATE:Nov.30, '93 PAGE: 1 of 3
PREPARED BY: S.MANO CHECKED BY:		FROM: Copier	Technic	cal Support Group
CLASSIFICATION: Action Required Troubleshooting Retrofit Information	Revision of s	service manual only	MOD	EL: F400/F410

1. Manual correction

In the feed roller replacement procedure (page 32 to 33), there are steps asking to remove the original table and original guide. Actually, this procedure is not necessary. Please skip steps 2, 3, 4, and 5. You can directly access the feed roller.

2. Procedure change due to modification.

In the domestic market, we have experienced that the customer took off the feed roller assembly [A] when removing a jammed original. When the jammed original is pulled to the front, the feed rollers are pulled to the front and the joint part [B] comes out from the drive shaft. To prevent this, The middle roller [C] position has been changed (to the rear) as shown below.







No. RTB-010

SUBJECT: DJF feed roller assembly replacement

DATE:Nov.30, '93 PAGE: 2 of 3

Before the modification, the middle roller could be shifted to the front when the feed roller was pulled to the front. After the modification, when the feed roller is pulled to the front, the middle roller hits the guide plate and it cannot be moved to the front. This prevents the joint part from being separated by mistake.

To replace the feed roller assembly, the following procedure is necessary before performing step 6 (slide the feed roller assembly to the front, then remove it).

- * Remove the guide mylars
- * Remove the snap ring.
- * Hold the feed roller.

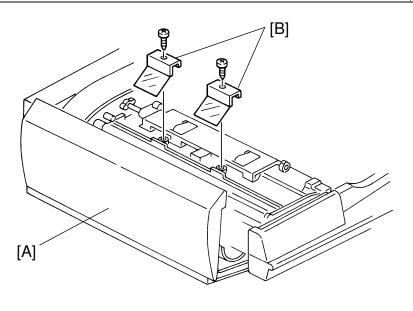
After the modification, procedure "14.2 feed roller replacement" is changed as shown in next page.



No. RTB-010

SUBJECT: DJF feed roller assembly replacement

DATE:Nov.30, '93 PAGE: 3 of 3



Rear [E] [F] [C]

Front

- 1. Turn off the main switch then open the feed cover [A].
- 2. Remove the guide mylars [B] (1 screw each).
- 3. Remove the snap ring [C].
- 4. Slide the roller [D] to the rear.
- 5. Hold the feed roller [E] then slide the shaft to the front, then remove the feed roller assembly as shown.

[D]

- 6. Remove the four snap rings [F], then remove the feed rollers.
- 7. Install the new feed rollers, then re-assemble the machine.

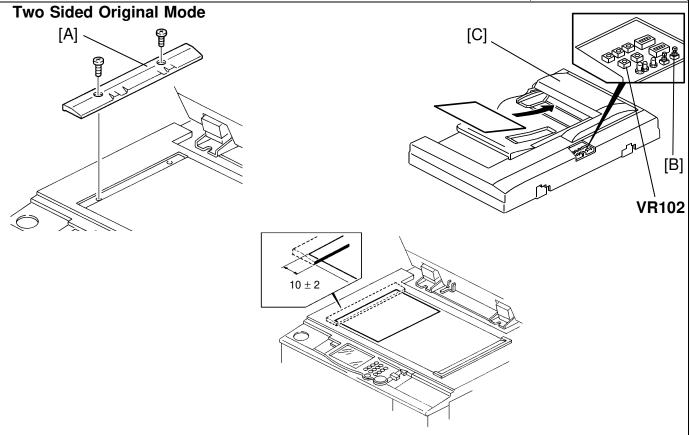
SIDED ORIGINAL MODE PREPARED BY: S. MANO CHECKED BY: PROM: Copier Technical Support Section	RIGOI	ျ Te	chnical	Bulletii	n	ľ	No. RTB-016		
CHECKED BY: CLASSIFICATION: Action Required	SUBJECT: DJF VERTICAL REGISTRATION ADJUSTMENT FOR TWO DATE:Jan. 31, '93 SIDED ORIGINAL MODE PAGE: 1 of 3								
Action Required	PREPARED BY: S. MANO CHECKED BY: FROM: Copier Technical Support Section								
Machine Code From To A376-15 first production 4123110190 A376-17 A3383100001 A338310674 A376-22 5323100001 5323110149 A376-26 3D81030001 3D81130040 A376-27 A3383100921 A3383111103 If necessary, please adjust the vertical registration (refer to page 46 of the DJF service manual). If the vertical registration adjustment cannot be carried out using the procedure on page 46 of the DJF service manual (by using SP adjustment mode), return the SP adjustment data to "00". Then adjust the vertical registration by turning VR102 on the DJF main board. The VR102 adjustment has a wider adjustable range than SP adjustment mode (adjustable range by	Action Required Troubleshooting Retrofit Informa Dual job feeders	TION: quired					F410 JOB FEEDER at the vertical		
A376-15 first production 4123110190 A376-17 A3383100001 A338310674 A376-22 5323100001 5323110149 A376-26 3D81030001 3D81130040 A376-27 A3383100921 A3383111103 If necessary, please adjust the vertical registration (refer to page 46 of the DJF service manual). If the vertical registration adjustment cannot be carried out using the procedure on page 46 of the DJF service manual (by using SP adjustment mode), return the SP adjustment data to "00". Then adjust the vertical registration by turning VR102 on the DJF main board. The VR102 adjustment has a wider adjustable range than SP adjustment mode (adjustable range by	•	o sided original m	ode is improp	er due to i	nsuffician	t ins	pection during		
A376-17 A3383100001 A338310674 A376-22 5323100001 5323110149 A376-26 3D81030001 3D81130040 A376-27 A3383100921 A3383111103 If necessary, please adjust the vertical registration (refer to page 46 of the DJF service manual). If the vertical registration adjustment cannot be carried out using the procedure on page 46 of the DJF service manual (by using SP adjustment mode), return the SP adjustment data to "00". Then adjust the vertical registration by turning VR102 on the DJF main board. The VR102 adjustment has a wider adjustable range than SP adjustment mode (adjustable range by	Machine Code	From	То						
A376-17 A3383100001 A338310674 A376-22 5323100001 5323110149 A376-26 3D81030001 3D81130040 A376-27 A3383100921 A3383111103 If necessary, please adjust the vertical registration (refer to page 46 of the DJF service manual). If the vertical registration adjustment cannot be carried out using the procedure on page 46 of the DJF service manual (by using SP adjustment mode), return the SP adjustment data to "00". Then adjust the vertical registration by turning VR102 on the DJF main board. The VR102 adjustment has a wider adjustable range than SP adjustment mode (adjustable range by	A376-15	first production	412311019	0	A376-1	A376-10 No machine			
A376-26 3D81030001 3D81130040 A376-27 A3383100921 A3383111103 If necessary, please adjust the vertical registration (refer to page 46 of the DJF service manual). If the vertical registration adjustment cannot be carried out using the procedure on page 46 of the DJF service manual (by using SP adjustment mode), return the SP adjustment data to "00". Then adjust the vertical registration by turning VR102 on the DJF main board. The VR102 adjustment has a wider adjustable range than SP adjustment mode (adjustable range by	A376-17	A3383100001	A33831067	4					
A376-27 A3383100921 A3383111103 If necessary, please adjust the vertical registration (refer to page 46 of the DJF service manual). If the vertical registration adjustment cannot be carried out using the procedure on page 46 of the DJF service manual (by using SP adjustment mode), return the SP adjustment data to "00". Then adjust the vertical registration by turning VR102 on the DJF main board. The VR102 adjustment has a wider adjustable range than SP adjustment mode (adjustable range by	A376-22	5323100001	532311014	9					
If necessary, please adjust the vertical registration (refer to page 46 of the DJF service manual). If the vertical registration adjustment cannot be carried out using the procedure on page 46 of the DJF service manual (by using SP adjustment mode), return the SP adjustment data to "00". Then adjust the vertical registration by turning VR102 on the DJF main board. The VR102 adjustment has a wider adjustable range than SP adjustment mode (adjustable range by	A376-26	3D81030001	3D8113004	.0					
manual). If the vertical registration adjustment cannot be carried out using the procedure on page 46 of the DJF service manual (by using SP adjustment mode), return the SP adjustment data to "00". Then adjust the vertical registration by turning VR102 on the DJF main board. The VR102 adjustment has a wider adjustable range than SP adjustment mode (adjustable range by	A376-27	A3383100921	A338311110	3					
	manual). If the vertical region of the DJF service to "00". Then adjust the vadjustment has a	stration adjustmer e manual (by usin ertical registration wider adjustable	nt cannot be c g SP adjustm by turning VF range than SF	arried out ent mode), R102 on the adjustme	using the return the	prode SF	cedure on page 46 adjustment data oard. The VR102		



No. RTB-016

SUBJECT: DJF VERTICAL REGISTRATION ADJUSTMENT FOR TWO SIDED ORIGINAL MODE

DATE:Jan. 31, '93 PAGE: 2 of 3



- 1. Remove the copier's left scale [A] (2 screws).
- 2. Remove the small cover at the rear side on the upper DJF cover then turn on DIP SW 101-2, 101-4, and 102-1.
- 3. Set a sheet of A4 / 8 $^{1/2}$ " x 11" (53 ~ 80 $^{\circ}$ g/m² / 14 ~ 22 lb) paper sideways on the original table.
- 4. Push SW 101 [B].
- 5. After the original stops on the exposure glass, gently raise the DJF (so that the original does not move).
- 6. Confirm that the gap between the trailing edge of the paper and the left edge [C] of the original rear scale is 10 ± 2 mm.
- 7. If the gap is not within specification, adjust the registration by using the copier SP mode (SP Adjustment - PAGE 6).

- **NOTE:** 1. Before setting the original on the original table again, open and close the feed unit cover [C].
 - 2. After completing the adjustment, return the DIP switches to their original condition.



No. RTB-016

SUBJECT: DJF VERTICAL REGISTRATION ADJUSTMENT FOR TWO SIDED ORIGINAL MODE

DATE:Jan. 31, '93 PAGE: 3 of 3

8. If the registration cannot be adjusted even though the SP data is changed to the maximum value, return the data to "00".

9. Adjust the vertical adjustment by turning VR102 on the DJF main board.



No. RTB-017

SUBJECT: MANUAL CORRECTIONS

DATE: Jan. 31,'94 PAGE: 9 of 13

Page 6-19 1.15

Incorrect

1.15 DUAL JOB FEEDER

Definition: [Level:B]

Encoder pulse is not detected by the <u>DJF</u> main board......

Possible causes

DJF feed motor defective

DJF transport motor defective

DJF feed out motor defective

DJF inverter motor defective

Correct

1.15 DUAL JOB FEEDER/RECIRCULATING DOCUMENT HANDLER

Definition: [Level:B]

Encoder pulse is not detected by the <u>DJF/RDH</u> main board......

Possible causes

DJF/RDH feed motor defective

DJF/RDH transport motor defective

DJF/RDH feed out motor defective

RDH inverter motor defective

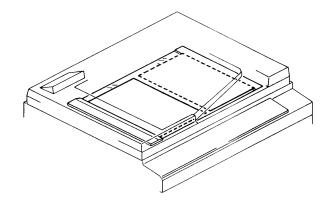
Page 11 of DJF Illustration

Incorrect

In Fig.2, the left paper is expressed by a dotted line and the right paper is expressed by solid line.

Correct

In Fig.2, the left paper position is shown by a solid line and the right paper position is shown by a dotted line as shown.





No. RTB-017

SUBJECT: MANUAL CORRECTIONS

DATE: Jan. 31,'94 PAGE: 10 of 13

Page 12 of DJF 3rd line of [Figure 3] explanation

Incorrect

A few pulses (0 ~ 14 pulses: depends on the SP mode adjustment)

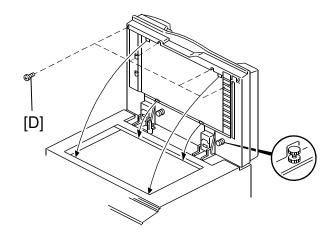
Correct

A few pulses (0 ~ 14 pulses: depends on the DIP switch adjustment)

Page 27 of DJF 3rd line of upper NOTE and Illustration

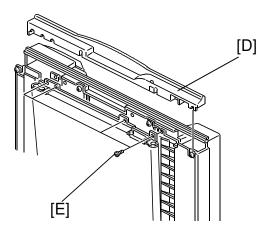
Incorrect

..... loosen four truss head screws [D], and tighten.



Correct

..... remove the cover [D] (4 screws), and loosen then tighten 4 screws [E].





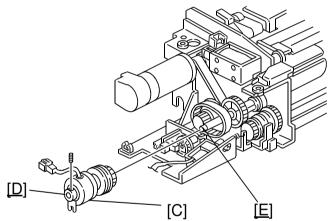
No. RTB-017

SUBJECT: MANUAL CORRECTIONS

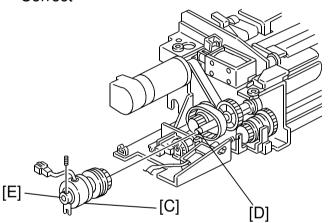
DATE: Jan. 31,'94 PAGE:11 of 13

Page 43 of DJF Illustration

Incorrect



Correct



Page 46 of DJF Step 6

- Incorrect
 - 6. Confirm that the gap between the trailing edge of the paper and the <u>left</u> edge [C] of the original rear scale is 10 ± 2 mm.
- Correct
 - 6. Confirm that the gap between the trailing edge of the paper and the <u>right</u> edge of the original rear scale is 10 ± 2 mm.

RIGOH	Technical Bulletin			No. RTB-020		
SUBJECT: Manual Correction				DATE: February. 15, 1994 PAGE: 1 of 2		
PREPARED BY: S. Mano CHECKED BY:		FROM: Copier	Technic	cal Support Section		
CLASSIFICATION: Action Required Troubleshooting Retrofit Information	Revision of some Information of ther	service manual only	MOD	EL: F400 DJF		
MANUAL CORRECTION						

Page 4-59 DUAL JOB FEEDER Preventive Maintenance Schedule

Incorrect

	EM	120K	240K	360K	NOTE			
DUAL JOB FEEDER (for originals)								
Transport Belt	С	R	R	R	Belt cleaner. Replace if necessary.			
Pick-up Roller	С	С	С	С	Alcohol. Replace if necessary.			
Feed Roller	С	R	R	R	Alcohol. Replace if necessary.			
Separation Belts	С	R	R	R	Alcohol. Replace if necessary.			

Correct

	EM	120K	240K	360K	NOTE			
DUAL JOB FEEDER (for copies)								
Transport Belt	С	R	R	R	Belt cleaner. Replace if necessary.			
Pick-up Roller	С	С	С	С	Alcohol. Replace if necessary.			
Feed Roller	С	R	R	R	Alcohol. Replace if necessary.			
Separation Belts	С	R	R	R	Alcohol. Replace if necessary.			



No. RTB-020

SUBJECT: Manual correction

DATE:

February 15, 1994

PAGE: 2 of 2

Each parts's actual estimated life is 48K original feed times.

Since estimated average copies per one original is 2.5, we recommend to replace the transport belt, separation belts and feed roller at the same time as the copier's 120K PM.

 $(48,000 \times 2.5 = 120,000)$

Because the F400/F410 series has an SP mode PM counter (indicates the original feed time since the last PM), you can recognize how many times originals have been fed since the last PM parts replacement. We recommend utilizing this function to manage the PM parts replacement interval.

Therefore, if you utilize PM counter for original feed (9 PM COUNTER CLEAR PAGE4), the PM table is as follows:

	EM	48K	96K	144K	NOTE			
DUAL JOB FEEDER (for originals)								
Transport Belt	С	R	R	R	Belt cleaner. Replace if necessary.			
Pick-up Roller	С	С	С	С	Alcohol. Replace if necessary.			
Feed Roller	С	R	R	R	Alcohol. Replace if necessary.			
Separation Belts	О	R	R	R	Alcohol. Replace if necessary.			

Concerning the RDH, the copy volume and original feed times are almost the same.

We just recommend to replacing PM parts at the same time as the copier's 120K PM (transport belt: replace at every copier's 240K PM).

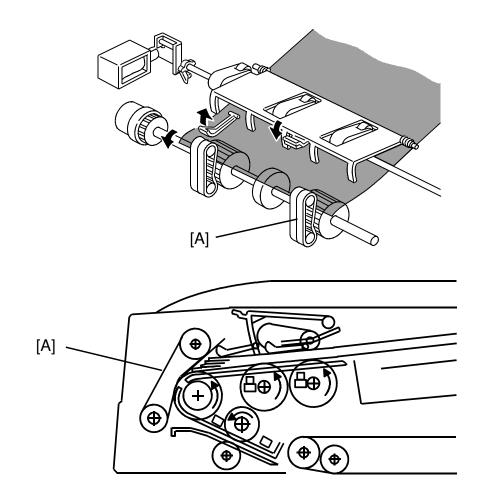
RIGOH	Technical	Bulletin	Ī	No. RTB-025
SUBJECT: DJF ORIGINAL DOU	BLE FEEDING			DATE: Mar. 15 '94 PAGE: 1 of 2
PREPARED BY: S. MANO CHECKED BY: S. Hamano		FROM: 2nd Ted	hnical	Support Section
CLASSIFICATION: Action Required Troubleshooting Retrofit Information	Revision of s	service manual only	MODI series	EL:DJF for F400

Phenomenon

Original double feeding (two originals are fed at a time) tends to occur when the separation belts [A] become dirty with foreign matter which being transferred from the original surface.

Cause

When the separation belt surface is covered with foreign matter, the friction between the original and the separation belt decreases. This reduces the original separation ability.





No. RTB-025

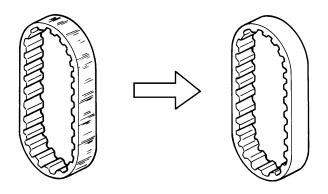
SUBJECT: DJF ORIGINAL DOUBLE FEEDING

DATE: Mar. 15 '94

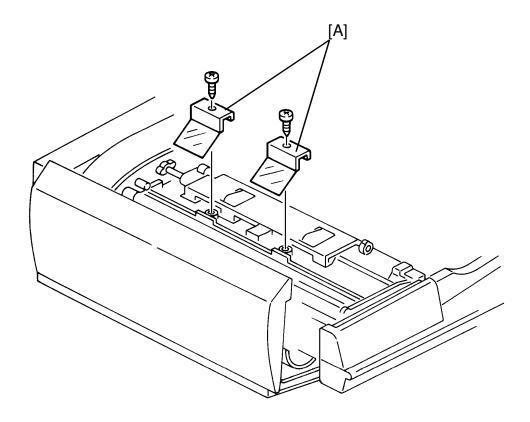
PAGE: 2 of 2

Countermeasure

Clean the separation belt surface with alcohol to recover the separation ability. We recommend to do this **at every customer visit** including at the installation to eliminate further EM calls.



Note: If block original feeding (10~20 sheets of originals are fed at a time) occurs, replace the original guide mylars [A] to the new parts (A3761254). Please refer to RTB-008 for the details.



RIGON	Technical	Bulletin		No. RTB-033
SUBJECT: Irregular original stac	ck in auto countin	g mode		DATE: April 30, '94 PAGE: 1 of 2
PREPARED BY: S. MANO CHECKED BY: S. Hamano		FROM: 2nd Tech	nnical	Support Section
CLASSIFICATION: Action Required Troubleshooting Retrofit Information	Revision of Information Other	service manual	MOD	EL: F400 / F410
<phenomenon> During auto counting mode, the become irregular, and in the wood This probleme specially occurs <phenomenon> When the original is delivered is speed. Just before the trailing edecreases to correct the original quicker speed after completely motor returns to the quicker special roller. In this case, the original special special roller. In this case, the original special roller. In this case, the original roller.</phenomenon></phenomenon>	orst case, the original stack. Normally feeding out the oreed before the original stack.	ginal order changes ter (8 1/2" x 11") signode, the original exit moriginal exit moriginal trailing edge	exit methodor cometing	otor changes its kit roller, its speed changes to the mes, the exit es through the exit



No. RTB-033

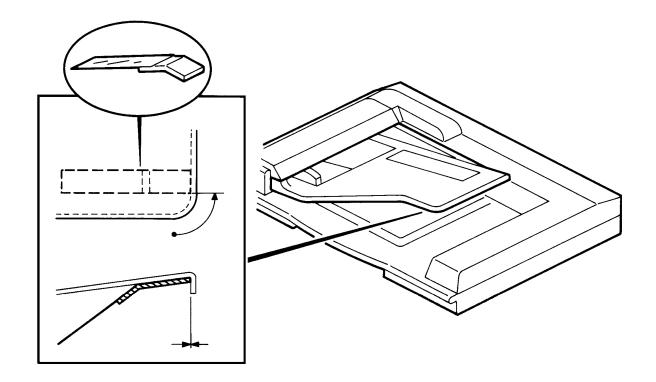
SUBJECT: Irregular original stack in auto counting mode

DATE: April 30, '94

PAGE: 2 of 2

<COUNTERMEASURE>

The original stack guide mylar is added. This mylar is attached to the DJF as an accessory. Please install the mylar at installation as shown in the illustration below.



RIGOH	Technical	Bulletin		No. RTB-036
SUBJECT: ORIGINAL DOUBLE	FEEDING			DATE:June 30, '94 PAGE: 1 of 2
PREPARED BY: S. MANO CHECKED BY: S. Hamano		FROM: 2nd Ted	chnical	Support Section
CLASSIFICATION: Action Required Troubleshooting Retrofit Information	Revision of s	service manual only	FEED	EL:DUAL JOB ER FOR F410/F420

This is additional information of RTB-025 "DJF double feeding".

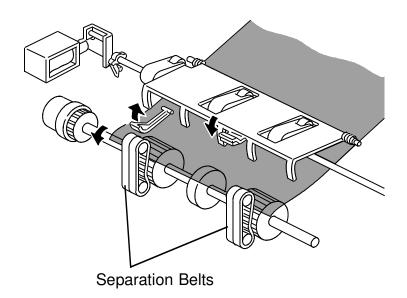
<PHENOMENON>

Original double feeding (two or more sheets of the originals are fed at a time)

<POSSIBLE CAUSE>

The separation belts become dirty with the toner, loosing the friction to separate the originals.

This is especially true when the customer feeds lots of poorly fused originals such as laser output or cotton paper.





No. RTB-036

SUBJECT: ORIGINAL DOUBLE FEEDING

DATE: June 30, '94

PAGE: 2 of 2

<FIELD COUNTERMEASURE>

Replace the separation belts with the new parts. The new part number is A3769502.

The material of the separation belts has been changed to the one which less toner adheres to.

NOTE: Depending on the type of originals that the customer use, there is still a possibility that the separation belts become dirty. For those cases, cleaning the belts at every visits, which was introduced in the previous RTB, is recommended.

This modification is implemented from the following serial numbers.

A376-10: 537403xxxx

A376-15: 4124030001

A376-17: A3384030001

A376-22: 5324030001

A376-26: 3D80340001

A376-27: A3384030150

As explained in RTB-008 "DJF multiple feeding", if the block original feeding (10~20 sheets of originals are fed at a time) occur, replace the original guide mylars [A] with the new parts (A3761254). Please refer to RTB-008.

This modification has been implemented from the November 1993 production (Please refer to MB No.3 of DJF for the cut-in serial numbers).

To completely eliminate the original double/multiple feeding, replace both original guide mylar (new part number A3761254) and separation belts.

RIGOH	Technical Bu	No. RTB- 046	
SUBJECT: SOFTWARE MODIF	ICATION		DATE:Dec. 31, '94 PAGE: 1 of 7
PREPARED BY: S. Mano CHECKED BY: S. Hamano		FROM: 2nd Te	echnical Support Section
CLASSIFICATION: Action Required Troubleshooting Retrofit Information	☐ Revision of servi ☐ Information only ☐ Other	ce manual	MODEL: F400/F410

1. "A" version ROMs

From the following serial numbers, the EPROMs (A0965151 and A0965153) on the main board have been updated to version "A".

Code	Serial Number		
A095-10	5204480001		
A095-15	2644600001		
A095-17	A3354460277		
A095-22	5234050106		
A095-26	3D50540001		
A095-27	A3354050001		
A095-29	A3354050320		
A096-10	5244470002		
A096-15	2844600037		
A096-17	A3364460002		
A096-22	5274050001		
A096-26	3D60540001		
A096-27	A3364050001		
A096-29	A3364050096		
A097-all	From the first production		

The following are corrected by this software change:

1-1. Black shadow in ADF reduction mode

When the original is fed by the DJF while in reduction mode, sometimes (depending on the reproduction ratio) a black line appears on the front edge because the shadow of the original edge is erased incompletely.

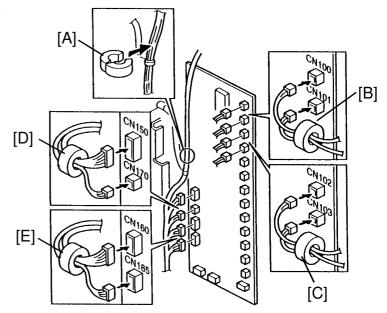
RIGOH	Technical Bulletin		No. RTB-011		
SUBJECT: Sorter/DJF Installation	on			DATE: September 15, '95 PAGE: 1 of 2	
PREPARED BY: N. Kaiya CHECKED BY: M. Iwasa		FROM: 2nd Technical Support Section			
CLASSIFICATION: Action Required Troubleshooting Retrofit Information	1		MODI DI	EL: =C - α	
To comply with the CE mark, it is necessary to attach five ferrite cores when installing a sorter on DFC - α . The ferrite cores have been enclosed in the screw bag of the DFC - α from September production. Please refer to the following for the installation procedure of the ferrite cores.					
Additional procedure for sorter	<u>installation</u>				
Ferrite core P/N 16070418	4 pc	S.			

1 pc.

- 1. Turn off the main switch and unplug the machine.
- 2. Remove the sorter top cover (3 screws).

Ferrite core P/N 16070721

- 3. Remove the sorter rear cover (4 screws).
- 4. Attach the ferrite core ([A] P/N 16070721) to the DC harness as shown.
- 5. Remove the harnesses for second bin solenoid (CN100) and third bin solenoid (CN101). Pass the both harnesses through the ferrite core ([B] P/N 16070418) and reconnect them to the sorter main board.



- 6. Remove the harnesses for the fourth bin solenoid (CN102) and the fifth bin solenoid (CN103). Pass the both harnesses through the ferrite core ([C] P/N 16070418) and reconnect them to the sorter main board.
- 7. Remove the harnesses for the encoder (CN150) and the entry sensor LED (CN170). Pass the both harnesses through the ferrite core ([D] P/N 16070418) and reconnect them to the sorter main board.
- 8. Remove the harnesses for the entry sensor Phototransistor (CN160) and the inlet sensor (CN165). Pass the both harnesses through the ferrite core ([E] P/N 16070418) and reconnect them to the sorter main board.
- 9. Reassemble the unit.



No. RTB-011

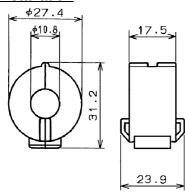
SUBJECT: Sorter/DJF Installation

DATE: September 15, '95

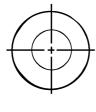
PAGE: 2 of 2

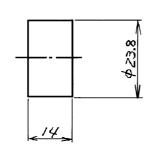
Ferrite Cores Packed with DFC - α

For Sorter Installation



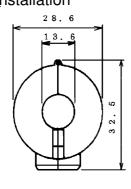
P/N 16070721





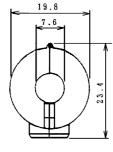
P/N 16070418

For DJF installation





P/N 16070638





P/N 16070623