MODEL	F20 Option Tray	VOLT/Hz	DATE OF MODIFICATION	SERIAL NO.
MODIFIED ARTICLE	Parts Catalog			
REASON OF	Parts Catalog Correction			
MODIFICATION				

Please correct your parts catalog as follows:

#### 1) Part Number Correction

I	ncorrect		Correct	Index	
	Description	P/N	Description	No.	Page
0 3 1 4 0 1 0 0 w	Philips Pan Head Screw - M4x <u>10</u>	031401 <u>2</u> 0W	Philips Pan Head Screw - M4x <u>12</u>	110	5-7

## 2) Description Corrections

P/N	. Incorrect Description	Correct Destripption	IndeIndex Mo	
59387047	Drawer Feed Plate - 115V +	Drawer Feed Plate - LT/LDG	8	5-9
59387147	Drawer Feed Plate - 220/240V	'Drawer Feed Plate - <u>A4/A3</u>	_ \ 8	`5-9
59387051	Decal - English- <u>115V</u>	Decal - English - LT/LDG	12	5 - 9 1
59387151	Decal - English - 220/240V	Decal - English -A4/A3	$-\frac{12}{12}$	5-9
59387051	Decal - English - <u>115V</u>	Decal - English - <u>LT/LDG</u>	_ 3	5:19-
59387151	Decal - English - 220/240V	Decal - English - A4/A3 _	_ 3	5-19

#### 3) Addition

\*: New Index no. (See Figure)

	Description	Q'ty	Index No. Page
09514 <del>006W</del>	P <u>hilips Screw With Flat Wa</u> sher - M4x6	 2	*109 5-5

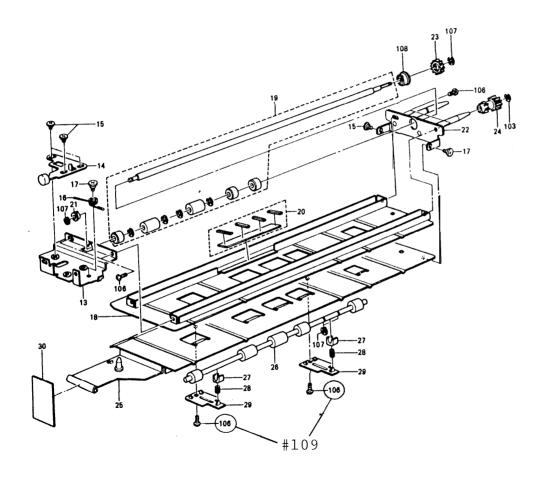
, Manager

Technical Service Section

ISSUED ON Dec.27, '86

#### MANUAL PAGE

#### 1. PAPER CONVEYOR UNIT (Page 5-4)



The philips screws #09514006W) were not listed on page 5-4, Please correct the index numbers accordingly

M. Konno, Manager
Technical Service Section

				SERIAL NUMBI	SERIAL NUMBER / MODEL CODE						
CONTROL NO.	BRAND	CODE	V / H Z	F 2 0 Option Tray							
1	RICOH	- 1 7	115/60								
1	RICOH	- 2 7	220/50								
MODEL NAME				RT20							

M/B NO. : Master number of modification bulletin for this model.

CONTROL NO.: Reference number of modification bulletin for your model.

# MODIFICATION BULLETIN NO. 2pagelof 3

1	MODEL	F20 Opti	ion Tray					VOLT/Hz M	DATE OF ODIFICATION	SERIAL NO
MODI	FIED ARTICL	-	Top Cover							
	ON OF	To ensur	re Setting between ety switch.	the	access (	cover				
DRAW.	OLD	NEW	DESCRIPTION	A.B.C	Q'TY USED	INTER-	PARTNEEDED	FOR REPLACEMENT BY NEW PART	PART CATALOG	
NO.	PARTSNO.	PARTS NO.	DESCRIPTION	RANK	<b>OLD</b> → <b>NEW</b>	CHANGE- ABILITY	PART NO.	DESCRIPTION	INDEX NO.	PAGE
	59382952		Seal-0.05x24x40mm		1-0				26	5-11
			1							
				i						

B : To replace new parts at the time of repair.

: To replace new parts at the time of overhaul.

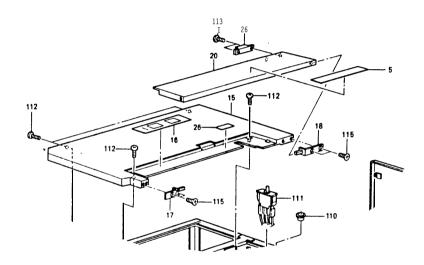
(2) When old and new parts are not mutually interchangeable, use additional parts or an assembly part indicated in" PARTS NEEDED FOR REPLACEMENT BY NEW PART" to install the new part.

Left mark indicates whether old part can be used in new machine or not.

Right mark indicates whether new part can be used in old machine or not.

#### MANUAL PAGE

#### 4. EXTERIOR 2 (Page 5-10)



Since the superfluity between the access cover and safety switch is insufficent, the safety switch is sometimes turned off by vibration. SO, the misfeed indicator is displayed on the operation panel and monitor PCB.

To ensure setting between the above two parts, the seal(#59382952) between the top cover and magnet of the access cover has been deleted.

Mulsur

Manager
Overseas Service 'Department

# MODIFICATION BULLETIN No .2 Page 3 of 3

ISSUED ON July 31, '87

				SERIAL NUMBER / MODEL CODE							
CONTROL NO.	BRAND	CODE	V/HZ	F20 Option Tray							
2	RICOH	- 1 7	115/60	1761100850							
2	RICOH	- 2 7	220/50	1761101140							
М	ODEL NA	ME		R T 2 O							

M/B NO. : Master number of modification bulletin for this model.

CONTROL NO. : Reference number of modification bulletin for your model.

	MODEL		F20 Opt	tion Tray	VOLT/Hz MO	DATE OF DIFICATION	SERIAL NO.					
MODI	FIED ARTICL	.E	Plate S	Spring for Side E	ence							
	ON OF		To inc	rease safety								
DRAW.	OLD		NEW	DESCRIPTION	A.B.C	Q'TY USED	INTER-	PARTNEEDED	FOR REPLACEMENT BY NEW PART	PART	PART CATALOG	
NO.	PARTSNO.		PARTS NO.		RANK	<b>OLD→NEW</b>	CHANGE- ABILITY		DESCRIPTION	INDEX NO.	PAGE	
	59382827		59382829	Plate Spring - Side Fence		1-1	X O			13	5-9	
			59382830	Plate Spring - Side Fence Guard Rubber - Plate Spring		0 - 2			New Index No.	<b>→</b> 58	5-9	

(1) A : To replace new parts immediately.

B : To replace new parts at the time of repair.

C : To replace new parts at the time of overhaul.

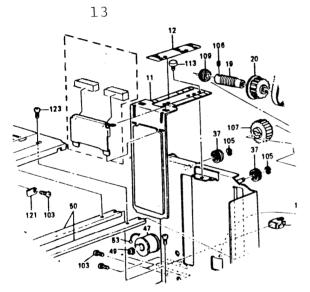
(2) When old and new parts are not mutually interchangeable, use additional parts or an assembly part indicated in "PARTS NEEDED FOR REPLACEMENT BY NEW PART"to install the new part.

(3) Left mark indicates whether old part can be used in new machine ornot.

Right mark indicates whether newpart can be used in old machine ornot.

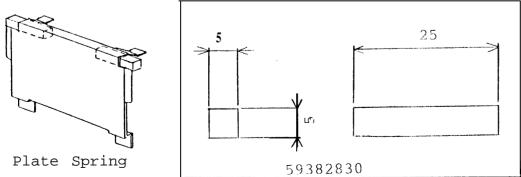
## MANUAL PAGE

# 3. EXTERIOR 1 (Page 5-8)



To increase safety, the guard rubber has been added in the plate spring of the side fence. The number of the plate spring has been changed to the number including the guard rubbers.

Guard Rubber



Milan

M. Konno Manager
Overseas Service'Department

# MODIFICATION BULLETIN NO. 3

Page 3 of 3

ISSUED ON July 31, 18 7

				SERIAL NUMBER / MODEL CODE						
CONTROL NO.	BRAND	CODE	V/HZ	F2O Option Tray						
2	RICOH	-17	115/60	1761201210						
3	RICOH	- 2 7	220/50	1761201460						
M	MODEL NAME			RT 2 0						

M/B NO. : Master number of modification bulletin for this model.

CONTROL NO. : Reference number of modification bulletin for your model.

## MODIFICATION BULLETIN NO. 4 Page 1 of 3

	NODEL			F20	Option Tray						VOLT/Hz	DATE OF MODIFICATION	SERIAL NO.
MODI	FIED ARTIC	LE		Opti	on Tray Harness								
	ON OF			To m	eet safety standard	l (CSA	A, UL)						
DRAW.	OLD			NEW DESCRIPTION  A.B.C Q'TY USED CHANGE- PARTNEEDED FOR REPI							EMENTBY NEW PAR	RT PART	CATALOG
NO.	PARTS NO.			PARTS NO.	DESCRIPTION	RANK	<b>OLD→NEW</b>	ABILITY		DE	SCRIPTION	INDEX NO.	PAGE
	59385006	_			Option Tray Harness		1 - 0					10	6-11
												1	6-13
												1	6-15
			_ ′ ″	59385016	Option Tray Harness		0 - 1	0 0	→ Europea	n Version	& etc.	10	6-11
								X O	→ 115V Ve	rsions		1	6-13
												1	6-15

(1) A : To replace new parts immediately.

B : To replace new parts at the time of repair.

C : To replace new parts at the time ofoverhaul.

(2) When old and new parts are not mutually interchangeable, use additional parts or an assembly part indicated in "PARTS NEEDED FOR REPLACEMENT BY NEW PART" to install the new part.

(3) Left mark indicates whether oldpart can be used in old machine or not. Right mark indicates whether new part can be used in old machine or not.

MANUAL PAGE

To meet the safety standard, the manufacturer of the option tray

harness has been changed. Therefore, the part number of the

option tray harness has been changed from #59385006 to #59385016.

M. KONNO, Manager

Overseas Service Department

## MODIFICATION BULLETIN NO. 4 Page 3 of 3

				SE	SERIAL NUMBER / MODEL CODE						
CONTROL NO.	BRAND	CODE	V/HZ	F20 Opt	ion	Tray					
4	RICOH	-17	115/60			•	1770703212				
4	RICOH	- 2 7	220/50								
M		R	Γ 2	0							

M/B NO. : Master number of modification bulletin for this model.

CONTROL NO.: Reference number of modification bulletin for your model.

5 Page 1 of 2

MODIFICATION BULLETIN NO.

ISSUED ON Oct. 31, 19

MODEL	F20 Option ⊥ray	VOLT/Hz	DATE OF MODIFICATION	SERIAL NO.
MODIFIED ARTICLE	Parts Catalog			
REASON OF	Parts Catalog Correction			•
MODIFICATION				

Please correct the following parts in your parts catalog:

Page	Index No.	Incorrect P/N	Correct P/N	Description	Q'ty
5-9	50	#59382787	#59382783	Tray Support Bracket	2

Malan

M. KONNO, Manager Technical Service Section

# MODIFICATION BULLETIN NO. 5 Page 2 of 2

ISSUED ON Oct. 31, 1987

					SERIAL NUMBER / MODEL CODE					
(	CONTROL NO.	BRAND	CODE	V/HZ	F20	Option	Tray			
	5	RICOH	-17	115/60						
		RICOH	- 2 7	220/50						
	MODEL NAME					RT2	2 0			

M/B NO. : Master number of modification bulletin for this model.

CONTROL NO.: Reference number of modification bulletin for your model.

## MODIFICATION BULLETIN NO. 6 Page 1 of 3

	MODEL		F20 Opti	on Tray						VOLT/Hz	DATE OF MODIFICATION	SERIAL NO
MODI	FIED ARTIC	LE	Paper Co	onveyor Unit								_
REASON OF MODIFICATION			To impro	ove paper transporta								
DRAW.	OLD		NEW	DECORIDATION	A.B.C	Q'TY USED	INTER-	PART NEEDEI	FOR REPLACE	CEMENT BYNEWPA	RT PART	CATALOG
NO.	PARTSNO.		PARTSNO.	DESCRIPTION	RANK	<b>OLD→NEW</b>	CHANGE- Ability	PART NO.	DE	SCRIPTION	INDEX NO.	PAGE
	59382570		59382563	Upper Transport Roller		1 - 1	XO				19	5-5
	52192984		59382599	Pressure Plate - Transport Roller		2 - 2	XO				29	5-5
			03140060W	Dhillng Dan Head		n - n+2					106	5-5
				6								
	_											

(1)	U	:	То	replace	new	parts	immediately.
-----	---	---	----	---------	-----	-------	--------------

B : To replace new parts atthe time of repair.

C : To replace new parts at the time of overhaul.

(2) When old and new parts are not mutually interchangeable, use additional parts or an assembly part indicated in "PARTS NEEDED FOR REPLACEMENT BY NEW PART"to install the new part.

Left mark indicates whether old part can be used in new machine ornot.

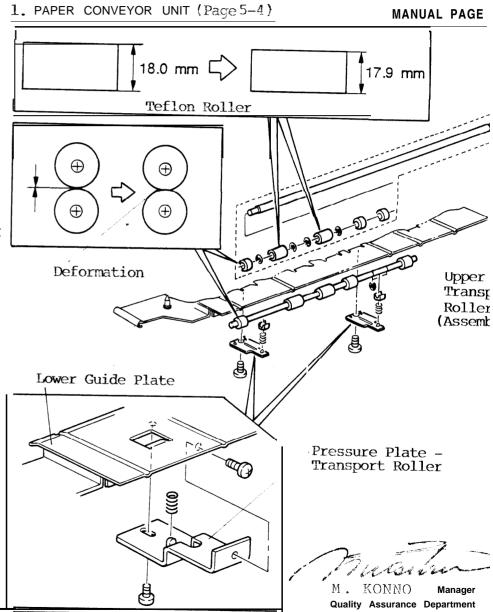
Right mark indicates whether new part can be used in old machine or not.

(4) Please file this BULLETIN between pages \_\_\_\_\_ and \_\_\_\_\_ of your service manual.

To improve transportability of the transport rollers in the F20 option tray, the following modifications have been applied to the production line.

- **Pressure Plate Transport Roller** These plates apply pressure between the upper and lower transport rollers. To maintain sufficient pressure, the securing screws of each plate have been increased from one to two.
- **Lower Guide Plate** Although the part number has not been changed, two screw holes have been provided to install the above additional screws...
- **Upper Transport** Roller (Assembly) This roller assembly consists of two teflon rollers and three rubber rollers. The diameter of each teflon roller has been decreased from 18.0 mm to 17.9 mm increasing the deformation of the rubber rollers. This accordingly further improves the paper transportability of the transport rollers.

NOTE: A slight deformation in rubber feeding rollers increases the contact area resulting in more efficient paper transportability.



# MODIFICATION BULLETIN NO. 6 Page 3 of 3

ISSUED ON May 15, 1988

				SERIAL NUMBER / MODEL CODE				
CONTROL NO.	BRAND	CODE	V/HZ	F20 option T	гау			
6	RICOH	-17	115/60	1780405662				
	RICOH	- 2 7	220/50	1780405637				
M	ODEL NA	МЕ	•	RT20				

M/B NO. : Master number of modification bulletin for this model.

CONTROL NO.: Reference number of modification bulletin for your model.

MODEL	F20 Option Tray	VOLT/Hz	DATE OF MODIFICATION	SERIAL
MODIFIED ARTICLE	Paper Conveyer Unit			
REASON OF	As per field request			
MODIFICATION	All por notal request.			

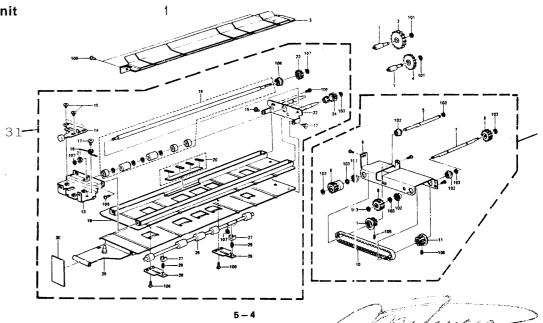
As per field request, the following units have been registered as service parts.

Please add the following parts to your parts catalog:

Page	Index No. Part Number Description		Qty
5-5	31 (New Index)	#59382550 Paper Conveyer Unit	1
5-5	32 (New Index)	#59382600 Paper Conveyer Drive Unit	1

Please circle the above units in your parts catalog as follows

1. PAPER CONVEYOR UNIT (Page 5-4)



ISSUED ON May, 15, 1988

# MODIFICATION BULLETIN NO . 7 p 2 of 2

				SERIAL NUMBER / MODEL CODE				
CONTROL" N().	BRAND	CODE	V/HZ	F20 option	Tray			
	RICOH	-17	115/60					
7	RICOH	- 2 7	220/50					
M	MODEL NAME				)			

M/B NO. : Master number of modification bulletin for this model.

CONTROL NO.: Reference number of modification bulletin for your model.

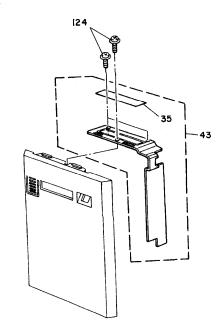
#### MODIFICATION BULLETIN NO. 8 Page 1 of 2\_

MODEL	F20 Option Tray	VOLT/Hz	DATE OF MODIFICATION	SERIAL NO
MODIFIED ARTICLE	Parts Catalog			
REASON OF	Parta Catalog Carrection			
MODIFICATION	Parts Catalog Correction	_		

Please correct the following part and illustration in your parts catalog:

Page	Index No.	Incorrect P/N	Correct P/N	Description	Q'ty
5 -9 <b>5 - 9</b>	4 3 4 3	#59382704	#59387010	Upper Cover Drawer Upper Cover	

## **3.** EXTERIOR 1 (Page 5-8)



M.Konno, Manager

Quality Assurance Department

ISSUED ON May 15, '89

# MODIFICATION BULLETIN No. 8 Page 2 of 2

				SERIAL NUMBER / MODEL CODE					
CONTROL NO.	BRAND	CODE	V/HZ	F20 Option <b>Tray</b>					
0	RICOH	- 1 7	115/60						
8	RICOH	- 2 7	220/50						
MODEL NAME				R T 2 0					

M/B NO. : Master number of modification bulletin for this model.

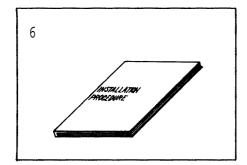
CONTROL NO. : Reference number of modification bulletin for your model.

MODEL	F2O Option Tray	VOLT/Hz	DATE OF MODIFICATION	SERIAL NO
MODIFIED ARTICLE	Parts Catalog			
REASON OF	Parts Catalog Correction			
MODIFICATION	Parts Catalog Correction			_

Please add the following part and illustration to your parts catalog:

Page	Index No.	Part Number	Description	Q'ty	
5-19	6 (New Index)	#59388721	Installation Procedure - English	1	(Ricoh version)
5-19	6 (New Index)	<sub>4</sub> #59388722	Installation Procedure - Multi	1	(Ricoh version)
5-19	6 (New Index)	#59388723	Installation Procedure - English	1	(OEM version)

## 8. DECAL AND DOCUMENT (Page 5-18)



M. Konno, Manager
Quality Assurance Department

# MODIFICATION BULLETIN No. 9 Page 2 of 2

ISSUED ON May 31, '89

				SERIAL NUMBER / MODEL CODE	
CONTROL NO.	BRAND	CODE	v/Hz	F20 Option Tray	
	RICOH	-17	115/60		
9	RICOH	- 2 7	220/50		
MODEL NAME				R T 2 0	

M/B NO. : Master number of modification bulletin for this model.

CONTROL NO.: Reference number of modification bulletin for your model.

	MODEL		F20 Op	tion Tray						VOLT/Hz N	DATE OF IODIFICATION	SERIAL NO.
MOD	IFIED ARTIC	LE	''Rear									
REASON OF  To decrease vibration noise of the option tray  MODIFICATION										  		
IIRAW.	OLD		NEW	DESCRIPTION	A.B.C	Q'TY USED	INTER-	PART NEEDED	FOR REPLAC	EMENT BYNEWPAR	r PART C	CATALOG
NO.	PARTSNO.		PARTS NO.	DESCRIPTION	RANK	OLD→NEW	CHANGE- ABILITY	PART NO.	DE	SCRIPTION	INDEX NO.	PAGE
	50000744			Rear Cover - Option		1 0		Diant	Mb		4.4	E 11

IRAW.	OLD		NEW	DESCRIPTION	A.B.C	m 1 A 02FD	CHANGE-	PART NEEDED	FOR REPLACEMENT BYNEWPART	PARICA	TALOG
NO.	PARTSNO.		PARTS NO.	DESCRIPTION	RANK	OLD→NEW	ABILITY		DESCRIPTION	INDEX NO.	PAGE
	59382714			Rear Cover - Option Tray - R,N		1 - 0		} Ricoh,	Nashua	1 4	5-11
		-	59382711	Rear Cover - Large Capacity Tray(RIC, NSA)		o - 1	X O	ver	sion only	14	5-11
	59387225-	<b>-</b>		Rear Cover - Option Tray Tray - PB		1 - 0		} Pitney	Bowes _	14	5-11
		-	59387224	Rear Cover - Large Capacity Tray (PB)		0 - 1	X O	ver	sion only	14	5-11
	59387425			Rear Cover - Option Tray - Savin		1 - 0		} Savin	version only	14	5-11
			59387424	Rear Cover - Large Capacity Tray (SVN)		0 - 1	XO			14	5-11
	59387725			Rear Cover -Option Tray - KALLE		i - o		} Hoechs	t version only	14	5-11
		-	59387724	Rear Cover - Large Capacity Tray (KAL)		0 - 1	X O	J		14	5-11
			59382718	Stopper - Rear Cover		0 - 6			New Index —	<b>→</b> 27	5-11
			59382784	Pad - Tray Support Bracket		0 - 6	1		New Index	<b>→</b> 59	5-9
			59382831	Sheet - Side Fence		o - 2	1		New Index —	<b>→</b> 60	5-9



B : To replace new parts at the time of repair,

C : To replace new parts at the time of overhaul.

(2) When oldandnew parts are not mutually interchangeable, use additional parts or an assembly part indicated in "PARTSNEEDED FOR REPLACEMENT BY NEW PART" to install the new part.

Left mark indicates whether old part can beused in new machine ornot.

Right mark indicates whether new part can beused inold machine ornot.

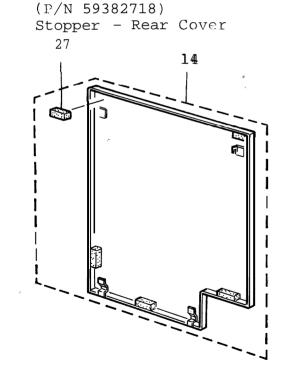
(4) Please file this BULLETIN between pages \_\_\_\_\_ and \_\_\_\_ of your service manual.

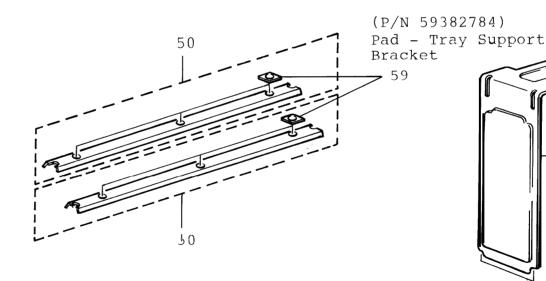
MANUAL PAGE

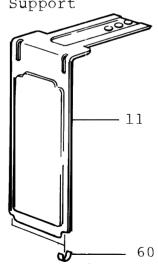
To decrease vibration noise of the option tray when the drawer feed plate moves up or down, six rubber stoppers have been adhered onto the rear cover, three pads each have been adhered on two tray support brackets, and. two mylar sheets have been adhered underneath the side fence bracket.

## 4.EXTERIOR 2 (Page 5-10)

3.EXTERIOR 1 (Page 5-8)







Sheet - Side Fence (P/N **59382831)** 

Quality Assurance Department

# MODIFICATION BULLETIN NO. 10 Page 3 of 3

# ISSUEDON May 31,'89

				SERIAL NUMBER / MODEL CODE	
CONTROL NO.	BRAND	CODE	V / H Z	F20 Option Tray	
10	RICOH	-17	115/60	1770703212	
10	RICOH	- 2 7	220/50	1770603120	
MODEL NAME				R T 2 0	

M/B NO. : Master number of modification bulletin for this model.

CONTROL NO.: Reference number of modification bulletin for your model.

DATE OF

MODEL		F20 Option Tray (P.B., Savin, Nashua version only~								DATE OF DIFICATION	SERIAL NO	
MODIFIED ARTICLE REASON OF MODIFICATION			Open Section Knob, Release Lever, etc.									
			As per color standardization with F21									
IRAW.	OLD		NEW	DESCRIPTION	A.B.C	Q'TY USED	INTER-	PART NEEDE	D FOR REPLA	CEMENT BYNEWPART	PART (	CATALOG
NO.	PARTS NO.		PARTS NO.	DESCRIPTION	RANK	OLD→NEW	CHANGE- ABILITY	PART NO.	DI	ESCRIPTION	INDEX NO.	PAGE
	52196067	П		Release Lever		1 - 0					14	5-5
		L	A0294677	Release Lever - Guide Plate		0 - 1	x x				14	5–5
	52196064	_		Decal - Grip		1 - o					30	5-5
			-A0294982	Decall - Release Plate		0 - 1	x x				30	5-5
	59382891		A4632901	Open Section Knob		2 - 2	x x				31	5-7
	59387047			Drawer Feed Plate - 115V		1 - 0		P.B. ,	Savin ver	sion	8	5-9
		L	A4637027	Drawer Feed Plate		0 - 1	x x				8	5-9
	59387147			Drawer Feed Plate = 220/240V		1 - 0		Nashua	version		8	5-9
			A4637028	- Drawer Feed Plate		0 - 1	X / x"				8	5-9
	59387010		A4637003	Drawer Upper Cover		1 - 1	x x				43	5-9
	59387011			Decal - English		1 - 0					35	5-9 - 9
			-A4637004	Decal - Loading Paper		0 - 1	x x				35	5-9 - 9

<sup>(1)</sup> A : To replace new parts immediately.

MODEL

(3) Left mark indicates whether old part can be used in new machine ornot. Right mark indicates whether newpart can be used in old machine ornot.

(4) Please file this BULLETIN between pages and of your service manual.

B : To replace new parts at the time of repair.

C : To replace new parts at the time of overhaul.

<sup>(2)</sup> When old and new parts are not mutually interchangeable, use additional parts or an assembly part indicated in "PARTS NEEDED FOR REPLACEMENT BY NEW PART"to install the new part.

	OLD		NEW	DECORPTION	A.B.C	Q'TY USED	INTER-	PART NEEDEL	FOR REPLACEMENT BY NEW PART	PART CAT	ALOG
STOCK	PARTS NO.		PARTS NO.	DESCRIPTION	RANK	<b>OLD→NEW</b>	<b>ABILITY</b>	PART NO.	DESCRIPTION	INDEX NO.	PAGE
	59387051			Decal - English - 115V		1 – 0		} P.B.,	Savin version	12	5-9 - <b>9</b>
			A4637031	Decal - Paper Size LT		0 - 1	X X	J		12	5-9 - <b>q</b>
	59387151			Decal - English =220/240V		1 - 0		> Nashua	version	12 3	5=9 5 <b>-</b> 19
			A4637032	Decal-Paper Size - A4		0 - 1	X			12 3	5-9 5-9 5-19 5-19 5-19
	08030044		08030052	Knob Screw		1 - 1	XX			113	5-9
	59387036	Γ		Decal - English		1 – 0				16	5-11 <b>5-19</b>
		L	A4637012	Decal-Misfeed Removal $6-1$		0 – 1	x x			16	5–11 – 9
	59387060			Decal - <b>English</b>		1 - 0				4	5-19
		<u> </u>	A4637035	Decal-Misfeed Removal		0 - 1	X			4	5-19
		-,									
											The the man transmiss are
									44444		

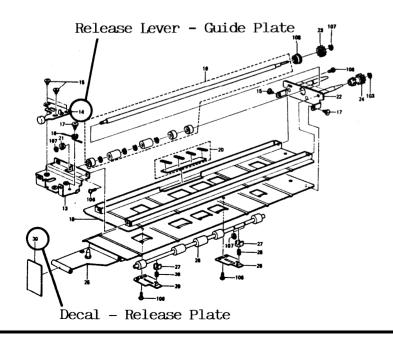
MANUAL PAGE

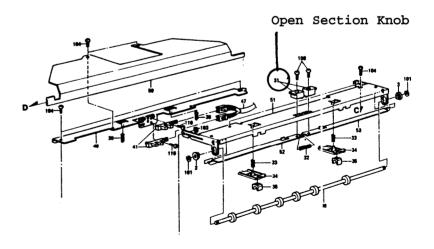
In the Pitney Bowes, Savin, and Nashua version machines, the large capacity tray for the F20 will be commonly installed onto the F21. **As** per color standardization with the F21, the color of the modified parts described in page one and two of this bulletin has been changed.

The following are the locations of the part catalog:

#### 1. PAPER CONVEYOR UNIT (Page 5-4)

## 2. PAPER FEED UNIT (Page 5-6)





Manager
Quality Assurance Department

Quality Assurance Department

# MANUAL PAGE **DETAILS OF MODIFICATION** Decal - Paper Size 3. EXTERIR 1 (Page5-8) 4. EXTERIR 2 (Page 5-10) Knob Screw Drawer Feed Plate Drawer Upper Cover Decal-Loading ... Paper Decal - Misfeed Removal 6 - 1

## MODIFICATION BULLETIN NO. 12 Page 1 of 2

<b>ISSUED</b>	ON	
IDDCLD	O11	

MODEL	F20 Option Tray	VOLT/Hz	DATE OF SERIAL NO.
MODIFIED ARTICLE	Installation Procedure (P.B., Savin, Nashua version only)		
REASON OF			
MODIFICATION	To facilitate servicing		

As the F21 machine production has started, the Installation Procedure for the LCT for the F21 unit has been added to the Installation Procedure of the F20. The interchangeability is o/o.

Please correct your parts catalog as follows:

Page	Index	Old P/N	New $P/\underline{N}$	Description
5-19	6	59388723	59388724	Installation Procedure - English

M. Konno , Manager Technical Service Section

of your service manual.

MODEL	F20 Option Tray	VOLT/Hz	DATE OF MODIFICATION	SERIAL N(I.
MODIFIED ARTICLE	Magnet Catch Ass'y			
REASON OF	To increase reliability			
MODIFICATION				-

To increase reliability, the magnet catch ass'y has been changed to more durable type with the interchangeability code 0/0.

Please correct your parts catalogs as follows:

Page	Index No.	Old PIN	New PIN	Description	Q'ty
5-11	2 5	#50540440	#AG070004	Magnet Catch Ass'y	1

M. Konno, Manager

				SERIAL NUMB	ER / MOD	EL CODE	
CONTROL NO.	BRAND	CODE	V/Hz	F20 Option Tray			
11	RICOH	-17	115/60				
11	RICOH	- 2 7	220/50				
M	ODEL NA	A M E		RT20			

M/B NO. : Master number of modification bulletin for this model.

CONTROL NO.: Reference number of modification bulletin for your model.

	MODEL		F20 Opt:	ion <b>Tray</b>					_	VOLT/Hz	DATE OF MODIFICATION	SERIAL NO
MOD	IFIED ARTIC	LE	Connecto	or Bracket _								
	SON OF		To preve	ent the connector	from l	being br	oken -					
DRAW.	OLD		NEW	DECORIDEION	A.B.C	Q'TY USED	INTER-	PARTNEEDED	FOR REPLA	ACEMENT BYNEWP	ART PART	CATALOG
NO.	PARTSNO.		PARTS NO.	DESCRIPTION	RANK	OLD→NEW	CHANGE- ABILITY	PART NO.	D	ESCRIPTION	INDEX NO.	PAGE
			59382748	Connector Bracket		0 - 1				New Index	→ 28	5 - 11
			09514010W	Philips Truss Head Screw - M4 X 10		n - n+2					105	5 - 11
							<del>-</del>					
								:				
		_					1					
		-	new parts immed	-								
[	=		w parts at the two	time of repair. time of overhaul.								
	nen old and ne	w par	•	ually interchangeable, use add	litional parts	or an assem	bly part ind	icated in "PAR	TS NEEDED	FOR R EPLACEIA	ENT BY	
(3)				old part can be used in new er newpati can beusedin old								
(4) P	ease file this	BULL	ETIN between	pages and	of your servi	ce manual.						

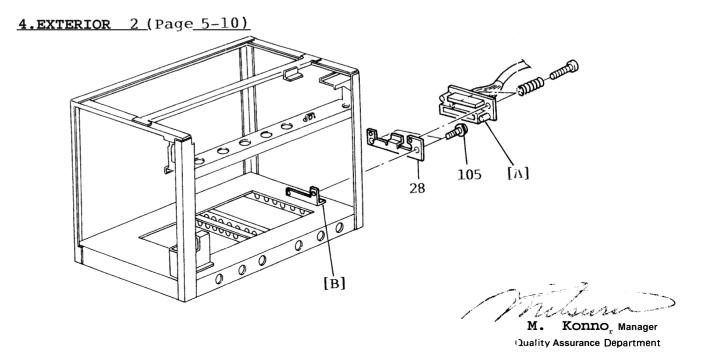
## DETAILS OF MODIFICATION MANUAL PAGE

The connector [A] of the option tray harness is sometimes broken by pulling out and pushing in the paper tray drawer repeatedly.

As a result, the paper tray drawer cannot be pushed in or the paper end indicator remains on. Therefore, the connector bracket has been added between the connector and the frame.

NOTE: The shape of the frame [B] has also been changed. However, the frame is not a service

Part. Thus, the connector bracket cannot be installed onto the machines which have been produced before the serial number mentioned on Page 3 of 3.



				SERIAL NUMBER / MODEL CODE
CONTROL NO.	BRAND	CODE	V/HZ	F 20 Option Tray
12	RICOH	-17	115/60	1790708151
12	RICOH	- 2 7	220/50	179080XXXX
M	ODEL NA	ME		RT 2 0

M/B NO. : Master number of modification bulletin for this model.

CONTROL NO. : Reference number of modification bulletin for your model.

	MODEL	Large Ca	apacity Tray for F20		VOLT/Hz M	DATE OF ODIFICATION	SERIAL N				
MODI	FIED ARTICLE	Actuator	- Upper Volume Sens	sor							
	ON OF	To preven	nt the drive wire f								
DRAW.	OLD	NEW	DECORIDEION	A.B.C	U.G   W.     U.D.   D	INTER-	PARTNEEDED	FOR REPLAC	CEMENT BYNEWPART	PART	CATALOG
NO.	PARTSNO.	PARTS NO.	DESCRIPTION	RANK	<b>OLD</b> →NEW	CHANGE- ABILITY	PART NO.	DI	ESCRIPTION	INDEX NO.	PAGE
_	59382871	A4632881	Upper Guide - Separation Roller		1 - 1	X O	} x/o	as a se	e t	18	5 - 7
	59382867	A4632877	- Separation Roller Actuator - Upper Volume Sensor		1 - 1	x x	J			28	5 - 7
							1				

(1) A : To replace new parts immediately.

B : To replace new parts at the time of repair.

C : To replace new parts at the time of overhaul.

(2) When old and new parts are not mutually interchangeable, use additional parts or an assembly part indicated in "PARTSNEEDED FOR REPLACEMENTBY NEW PART"to install the new part.

Left mark indicates whether old part can be used in new machine ornot.

Right mark indicates whether newpart can be used in old machine ornot.

(4) Please file this RIII I FTIN hetween names

and

of your service manual.

MANUAL PAGE

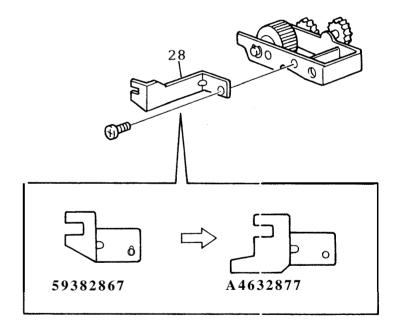
When the paper is not loaded at the proper position on the large capacity tray, the tray overruns and then the drive wire may be cut.

Therefore, the shape of the upper volume sensor actuator has been changed as shown in the illustration. As a result, the upper volume sensor has been able to detect the paper which is loaded within 22 mm [A] from the right side plate [B]. However, when the paper is loaded between 12 mm and 22 mm from the right side plate, paper misfeed occurs in the paper feed section.

Due to the change of the upper volume sensor actuator, a part [C] of the upper guide has been cut off to prevent the actuator from coming into contact with the upper guide.

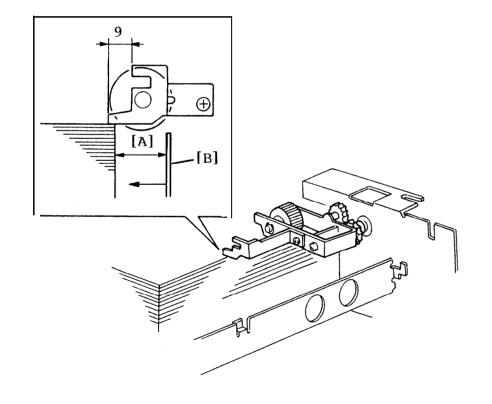
NOTE: When the upper sensor actuat or is replaced with the new one, please replace the upper guide at the same time.

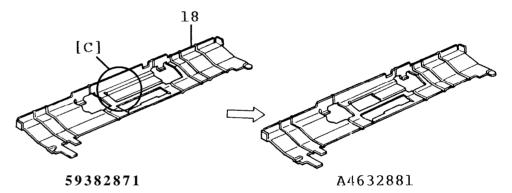
## 2.PAPER FEEDUNIT( Page\_ 5-6)



# DETAILS OF MODIFICATION MANUAL PAGE

## 2. PAPER\_FEED\_UNIT (Page 5-6)





M. Konno, Manager

(Quality Assurance Department

# MODIFICATION BULLETIN No . 15 Page 4 of 4

ISSUEDON Ott.31,'89

				SERIAL NUMBER / MODEL CODE	
CONTROL NO.	BRAND	CODE	V/HZ	F20 Option Tray	
1.2	RICOH	-17	115/60	17911 OXXXX ·	
13	RICOH	- 2 7	220/50	17911 OXXXX	
M	ODEL NA	A M E		RT 2 0	

M/B NO. : Master number of modification bulletin for this model.

CONTROL NO. : Reference number of modification bulletin for your model.

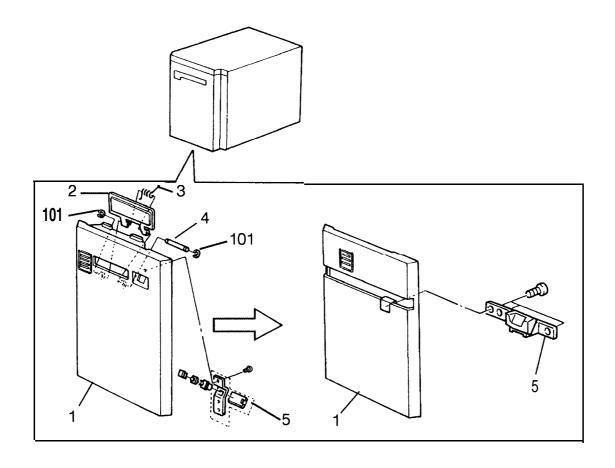
	Model		Large Capac	city Tray for F20/F21/F22 (NRG	ONLY)				Volt/Hz	Date of Modification	Serial N	umber
Mo	odified Article		Front Cover	etc.								
	Reason for		Due to a des	sign change in the LCT, the follow								
 Draw	Old Parts		New Parts		A.B.C.	Q'ty Used	Inter-	Part neede	d for replacement	by new part	Parts Ca	atalog
No.	No.	No Description		Rank	Old → New	=:::;.#"-	Part No. Des		otion	Index No.	Page	
	59382713		A4637217	Front Cover - Large Capacity Tray (NRG)		1 → 1	x/x				1	9
	59387022			Shutter (NRG)		1 → 0			,		2	9
	54462724			Spring - Shutter		1 → 0			X/O as a set		3	9
	54462723			Shutter Shaft		1 → 0					4	9
	52195500		A0585300	Tray Button Switch		1 → 1	x/x				5	9
	07200030E			Retaining Ring - M3		2 → 0					101	9
												<u> </u>

Rank: A: Replace with new parts immediately. B: Replace with new parts at time of repair. C: Replace with new parts at time of overhall. nterchangeability:

<sup>1)</sup> When old and new parts are not mutually interchangeable, use additional parts or an assembly part as indicated in "Parts needed for replacement by new part" to install the new part.

<sup>2)</sup> The mark to the left of the slash indicates whether the old part can be used in the new machine, and the mark to the right indicates whether the new part can be used in the old machine. x = Not interchangeable o = I nterchangeable

To make the look of the LCT compatible with the F22, the design of the front cover and the tray button switch have been changed, but the old LCT can also be used on the F22.





T. Ito, Manager

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
PB D845	11 5/60	USA	5938-11	
SAVIN LCT65	11 5/60	USA	5938-15	
NRG T-61	11 5/60	CAN	5938-16	9310400XXX
RT20	11 5/60	USA	5938-17	
NRG T-61	220, 240/50	EUROPE	5938-25	9310200942
HCS Magazine	220, 240/50	EUROPE	5938-26	
RT20	220, 240/50	EUROPE	5938-27	

	Model	Large Capa	city Tray for F20/F21/F22	Volt/Hz	Date of Modification	Serial N	lumber				
Me	odified Article	Exterior Cov	vers (Nashua version only)								
	Reason for	To fit the NF	RG new color								
Draw	Draw No. Old Parts No. Description		Description	A.B.C.	Q'ty Used Old →		Part neede	ed for replacemen	t by new part	part Parts Catalog	
No.			Rank	New	change- ability	Part No.	Description		Index No.	Page	
	A4637217	A4637817	Front Cover - Large Capacity Tray		1 → 1	X/X				1	9
	59382706	A4637215	Left Cover - Large Capacity Tray		1 → 1	x/x				13	11
	59382711	A4637224	Rear Cover - Large Capacity Tray		1 → 1	X/X				14	11
	59382960	A4637231	Access Cover		1 → 1	X/X				20	11
	59382951	A4637237	Magnet Sheet -1.5 x38x 100		1 → 1	x/x				5	11
	59382965	A4637238	Top Cover		1 → 1	X/X				15	11
	59382728	A4637240	Right Cover - Large Capacity Tray		1 → 1	X/X				19	11

To fit the NRG new color, the color of the exterior covers has been changed. The shapes of the old and new each cover remains the same.

T. Ito, Manager Copier Technical Support

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
PB D845	11 5/60	USA	5938-11	
SAVIN ĹCT65	11 5/60	USA	5938-15	
RT20	11 5/60	USA	5938-17	9310900XXX -
RicoNRGh RT25	220, 240/50	EUROPE	5938-25	
HCS	220, 240/50	EUROPE	5938-26	9310601085 -
RT20	220, 240/50	EUROPE	5938-27	

MODIFICATION BULLETIN NO. 18 Page 1 of 2

Reissued on: September 15, '92 ISSUED ON: August 18, '92

Model	Large Capacity Tray for F20 / F21 / F22	Volt/Hz	Date of Modification	Serial Number
Modified Article	Pick-up Roller			
Reason for Modification	Vender change			

As the vender has been changed, the part number of the pick-up roller is changed. The quality and the durability of the new part is the same that of the old part.

Old P/N	New P/N	Description	Q'ty Used	Interchangeability	Index No.	Page
54297069	AF030016	Pick-up Roller	1 → 1	O/O	27	7

T. Ito, Manager Copier Technical Support

# MODIFICATION BULLETIN NO. 18

Page	2	۸f	2
Page	4	OI	4

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
PB D845	115/60	USA	5938-11	Service Part Only
SAVIN LCT65	115/60	USA	5938-15	330209XXXX
NRG T-61	115/60	Canada	5938-16	932080XXXX
RICOH RT20	115/60	USA	5938-17	Service Part Only
NRG T - 61	220, 240/50	EUROPE	5938-25	9320501239
HCS Magazine	220, 240/50	EUROPE	5938-26	Service Part Only
RICOH RT20	220, 240/50	EUROPE	5938-27	Service Part Only