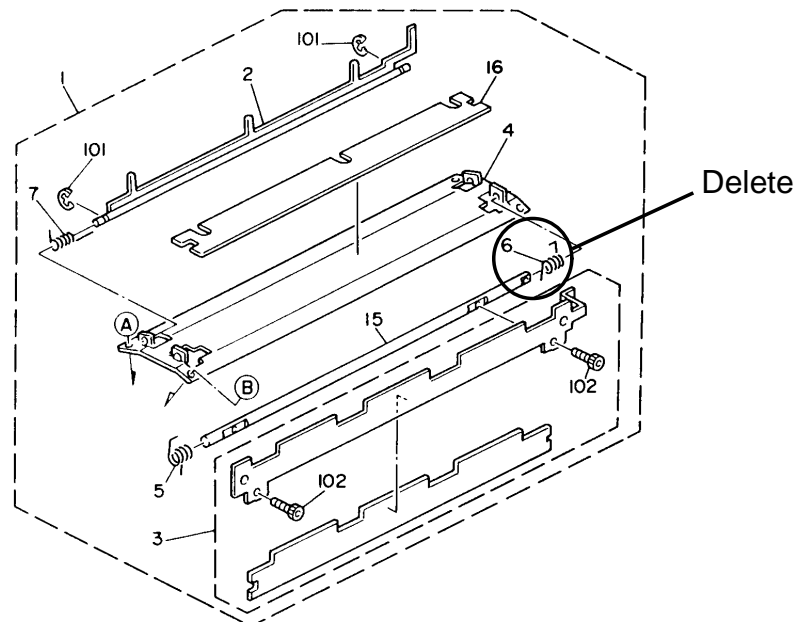


Model	N810	Volt/Hz	Date of Modification	Serial Number
Modified Article	Parts Catalog			
Reason for Modification	Parts catalog correction			

Please correct your parts catalog as follows:

Page 20

Delete item 6 from your parts catalog.



DETAILS OF MODIFICATION

Page 21

Delete the following item from your parts catalog.

Parts Number	Description	Q'ty Used	Index No.
C2174548	Front Clamper Spring	1	6

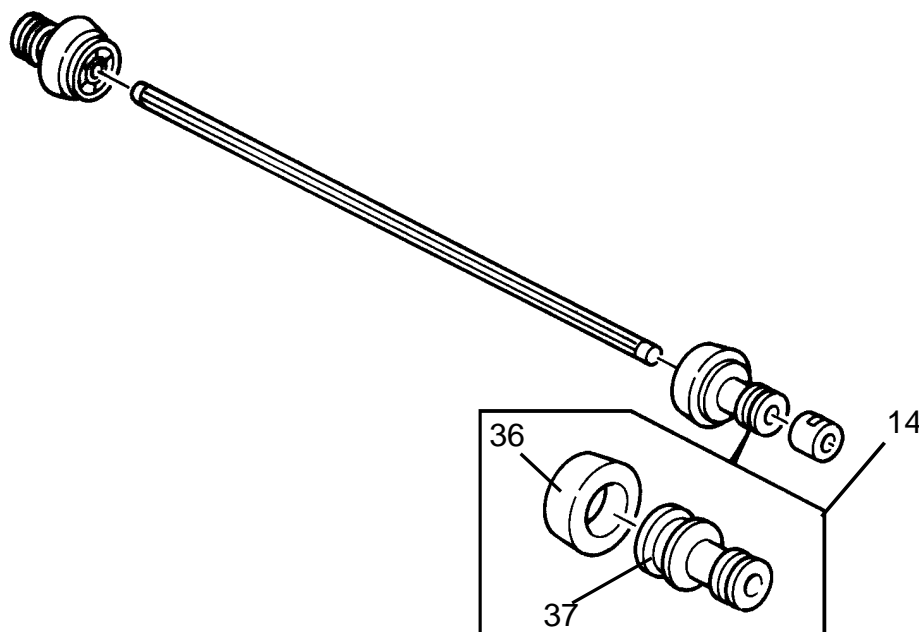
Page 23

Correct the part number of the following items:

Incorrect P/N	Correct P/N	Description	Index No.
C2074746	C2174599	Rear Drum Blade	13
C2154551	C2174594	Rear Bank Plate	16
C2154550	C2174592	Front Bank Plate	17
C2074745	C2174598	Front Drum Blade	18
C2154554	C2174596	Sponge - Bank Plate	25

Page 26

Correct the illustration of item 14 as shown below.



Page 27

Add the following items to your parts catalog.

Parts Number	Description	Q'ty Used	Index No.
C2176006	Exit Roller	2	* 36
C2176007	Exit Roller Holder	2	* 37

* New Index

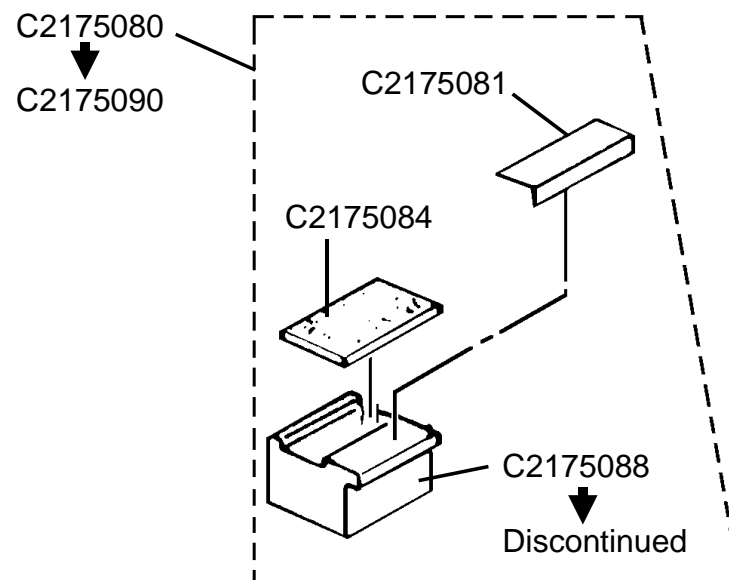
T. Ito, Manager
Copier Technical Support

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
GES5303 REX1220 NASCP303	120/60	USA, CANADA	C217-12	
RICOH VT1730	120/60	USA, CANADA	C217-17	
GES5303 REX1220 NASCP303	230/50	EUROPE, ASIA	C217-22	
RICOH VT1730	230/50	EUROPE, ASIA	C217-27	

[illegible]

DETAIL OF MODIFICATION

1. To feed paper more smoothly, the friction guide plate (C2175081) has been added from the 2nd production. Due to this modification, the configuration of the friction pad base (C2175088) has been changed. The friction guide plate has already been listed on the parts catalog.
2. To facilitate service, the new friction pad ass'y (# C2175090) including the friction guide plate (index 37, Page 13) has been registered instead of C2175080. The friction pad base is no longer provided as a service part.



T. Ito, Manager
Copier Technical Support

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
GES5303 REX1220 NASCP303	120/60	USA, CANADA	C217-12	50723030001
RICOH VT1730	120/60	USA, CANADA	C217-17	C3223030001
GES5303 REX1220 NASCP303	230/50	EUROPE, ASIA	C217-22	50713030001
RICOH VT1730	230/50	EUROPE, ASIA	C217-27	C3223030041

MODIFICATION BULLETIN NO. 3

PAGE 1 OF 3

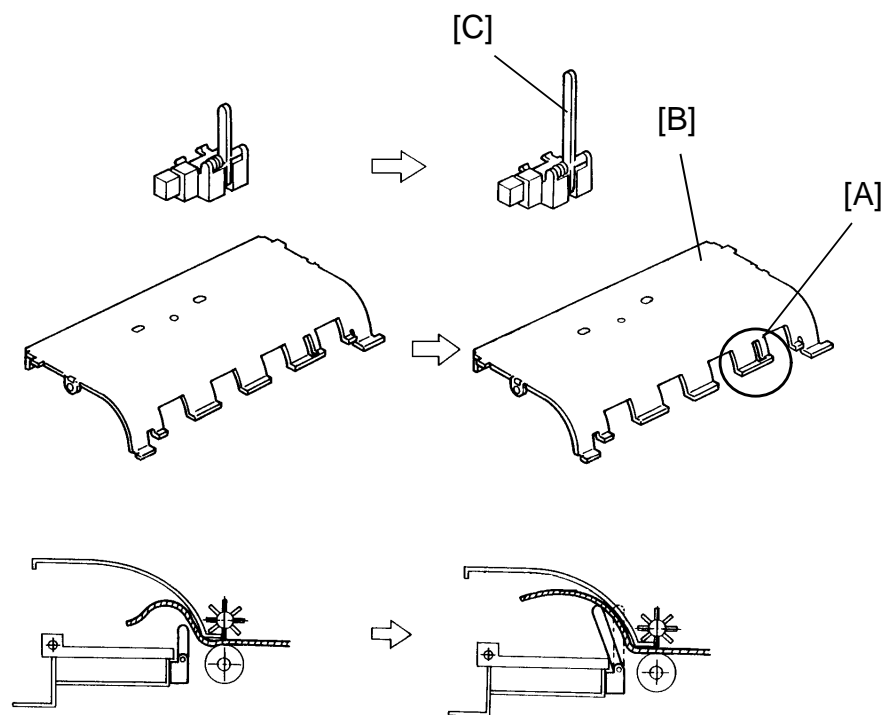
ISSUED ON: July 31. '93

Model		N810						Volt/Hz		Date of Modification		Serial Number	
Modified Article		Master Eject Sensor											
Reason for Modification		To ensure master eject detection											
Draw No.	Old Parts No.		New Parts No.	Description	Rank	Q'ty Used Old→New	Inter-change-ability	Parts needed for replacement by new part		Parts Catalog			
								Part No.	Description	No.	Page		
	C2173561		C2173565	Guide Plate - Eject Unit		1 → 1	X/X	X/O as a set		3	25		
	C2178445		C2178446	Photointerruptor - Master Eject		1 → 1	X/X			14	25		

DETAILS OF MODIFICATION

Even if the eject master is transported properly, it is possible that the master eject sensor will not detect the master when the master is transported over the sensor actuator.

To prevent this, a cutout [A] is added to the guide plate - exit unit [B], and the length of the sensor actuator [C] has been increased so that the sensor never fails to detect the eject master.



T. Ito, Manager
Copier Technical Support

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
GES5303 REX1220 NASCP303	120/60	USA, CANADA	C217-12	50723020001
RICOH VT1730	120/60	USA, CANADA	C217-17	C3223030001
GES5303 REX1220 NASCP303	230/50	EUROPE, ASIA	C217-22	50713020001
RICOH VT1730	230/50	EUROPE, ASIA	C217-27	C3223020001

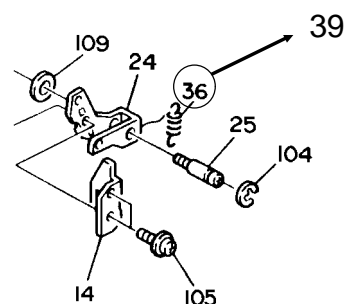
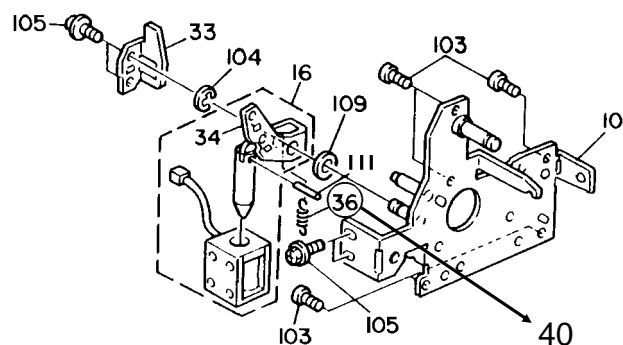
Model	N810	Volt/Hz	Date of Modification	Serial Number
Modified Article	Parts Catalog			
Reason for Modification	Parts catalog correction			

Please correct your parts catalog as follows:

1. Part number correction

Incorrect P/N	Correct P/N	Description	Q'ty Used	Parts Catalog	
				Index No.	Page
54032075	50700346	Stepped Screw	2	31	7

2. Correct the index number 36 of page 30 as shown below.



DETAILS OF MODIFICATION

Delete the following item:

Part Number	Description	Q'ty	Index No.	Page
55066549	Spring Etching Clutch	2	36	31

Add the following items:

Part Number	Description	Q'ty	Index No.	Page
C2175530	Pressure Release Spring	1	* 39	31
55076144	Rink Spring	1	* 40	31

* New Index

T. Ito, Manager
Copier Technical Support

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
GES5303 REX1220 NSA CP303	120/60	USA, CANADA	C217-12	
RICOH VT1730	120/60	USA, CANADA	C217-17	
GES5303 REX1220 NSA CP303	230/50	EUROPE, ASIA	C217-22	
RICOH VT1730	230/50	EUROPE, ASIA	C217-27	

MODIFICATION BULLETIN NO. 5

PAGE 1 OF 3

ISSUED ON: August 31, '93

[illegible]

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

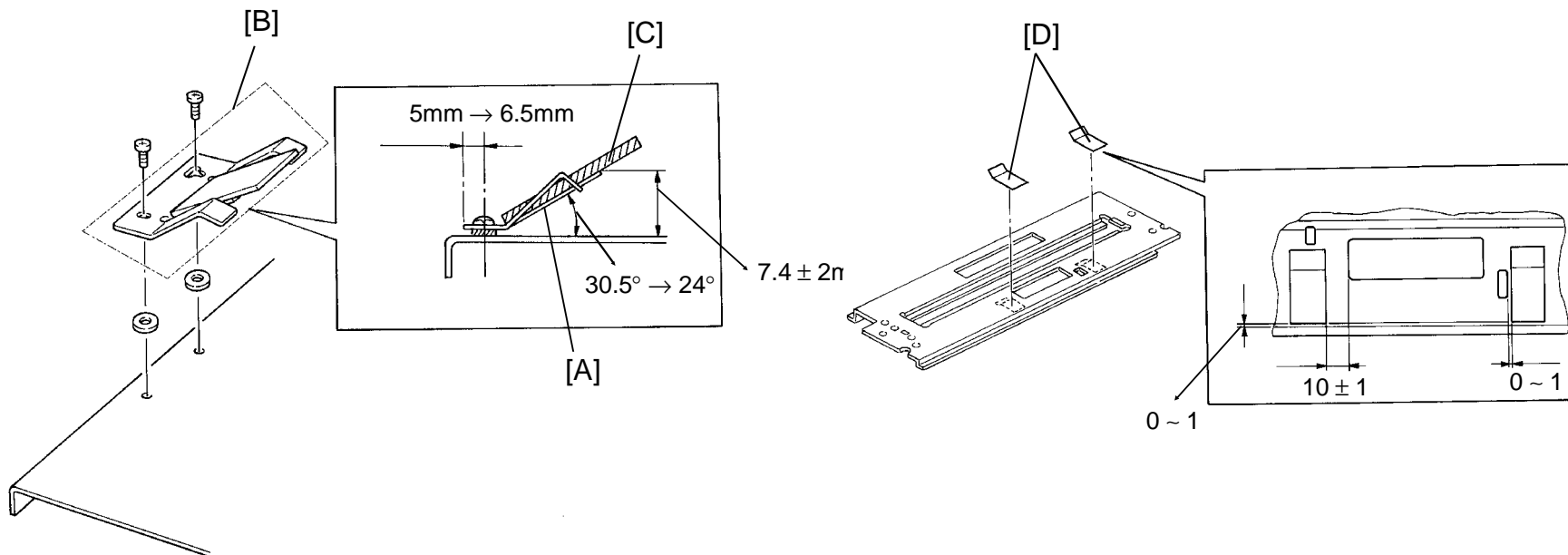
Interchangeability:

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

(2) 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 = Interchangeable

DETAILS OF MODIFICATION

1. To ensure smooth original feed, the angle of the separation spring plate [A] has been changed from 30.5° to 24°. Also, the position of the plate [A] has been shifted by changing the screw hole positions.
2. To facilitate service, the ADF friction pad ass'y [B] which includes the ADF friction pad [C] has been registered as a service part instead of the separation spring plate [A].
3. New mylars (original guide mylar, index 19) [D] have been installed on the upper guide plate [D] to prevent double feed. These mylars push the second original up to ensure the original registration sensor can detect a gap between the 1st original trailing edge and 2nd original leading edge. This prevents two original from being fed continuously.



T. Ito, Manager
Copier Technical Support

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
GES5303 REX1220 NSA CP303	120/60	USA, CANADA	C217-12	50723060001
RICOH VT1730	120/60	USA, CANADA	C217-17	C3223060001
GES5303 REX1220 NSA CP303	230/50	EUROPE, ASIA	C217-22	50713050001
RICOH VT1730	230/50	EUROPE, ASIA	C217-27	C3223050076

Model		N810						Volt/Hz	Date of Modification	Serial Number	
Modified Article		Drum Master Sensor									
Reason for Modification		Parts standardization									
Draw No.	Old Parts No.		New Parts No.	Description	Rank	Q'ty Used Old→New	Inter-change-ability	Parts needed for replacement by new part		Parts Catalog	
								Part No.	Description	No.	Page
	C2138137			Master Sensor		1 → 0				8	27
			C2178137	Paper Sensor Ass'y		1 → 2	O/O			19	27

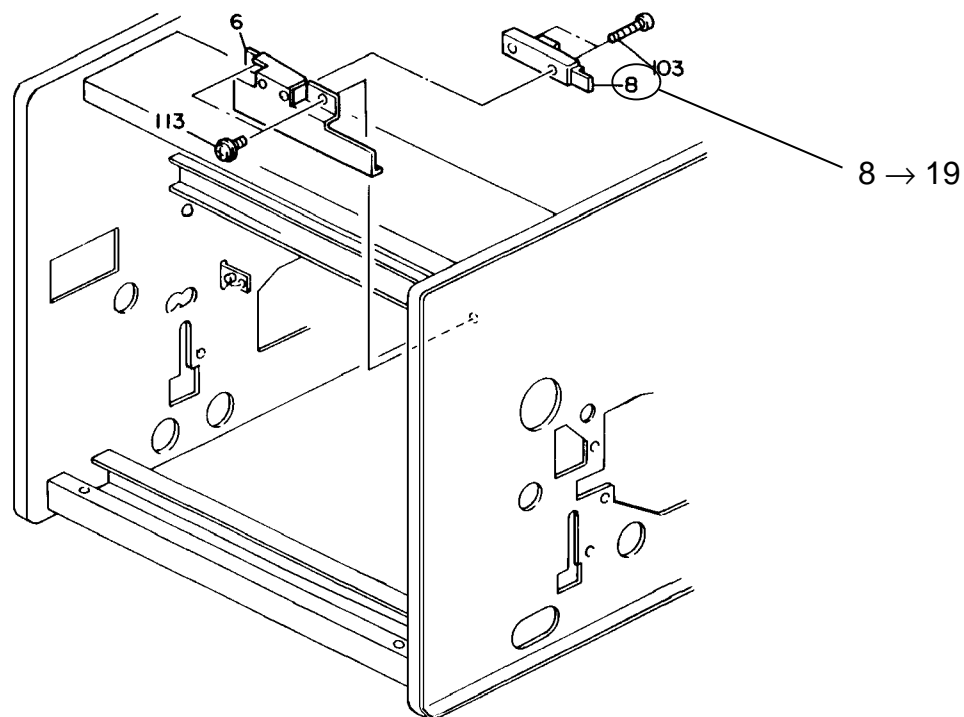
Rank: A : Replace with new parts immediately. B : Replace with new parts at time of repair. C : Replace with new parts at time of overhaul.

Interchangeability:

- (1) When old and new parts are not mutually interchangeable, use additional parts or an assembly parts as indicated in "Parts needed for replacement by new part" to install the new part.
- (2) 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 = Interchangeable


DETAILS OF MODIFICATION

Due to parts standardization, the drum master sensor (index No. 8) has been changed to the one used for the paper exit sensor (index No. 19).



T. Ito, Manager
Copier Technical Support

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
GES5303 REX1220 NSA CP303	120/60	USA, CANADA	C217-12	
RICOH VT1730	120/60	USA, CANADA	C217-17	
GES5303 REX1220 NSA CP303	230/50	EUROPE, ASIA	C217-22	
RICOH VT1730	230/50	EUROPE, ASIA	C217-27	

Model			N810					Volt/Hz		Date of Modification		Serial Number	
Modified Article			Right Side Plate - Eject Unit										
Reason for Modification			To reduce noise from the master eject motor										
Draw No.	Old Parts No.		New Parts No.	Description	Rank	Q'ty Used Old→New	Inter-change-ability	Parts needed for replacement by new part			Parts Catalog		
	C2173511		C2173516	Right Side Plate - Eject Unit		1 → 1	X/X		X/O as a set		26	25	
			C2173591	Insulator		0 → 2					* 29	25	
			07073016B	Bushing - 3 x 1.6		0 → 2					* 111	25	
	08011135			Philips Pan Head Screw - M3 x 3		n → n - 2					107	25	
			03130040W	Philips Pan Head Screw - M3 x 4		n → n + 2					110	25	
									* New Index				

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

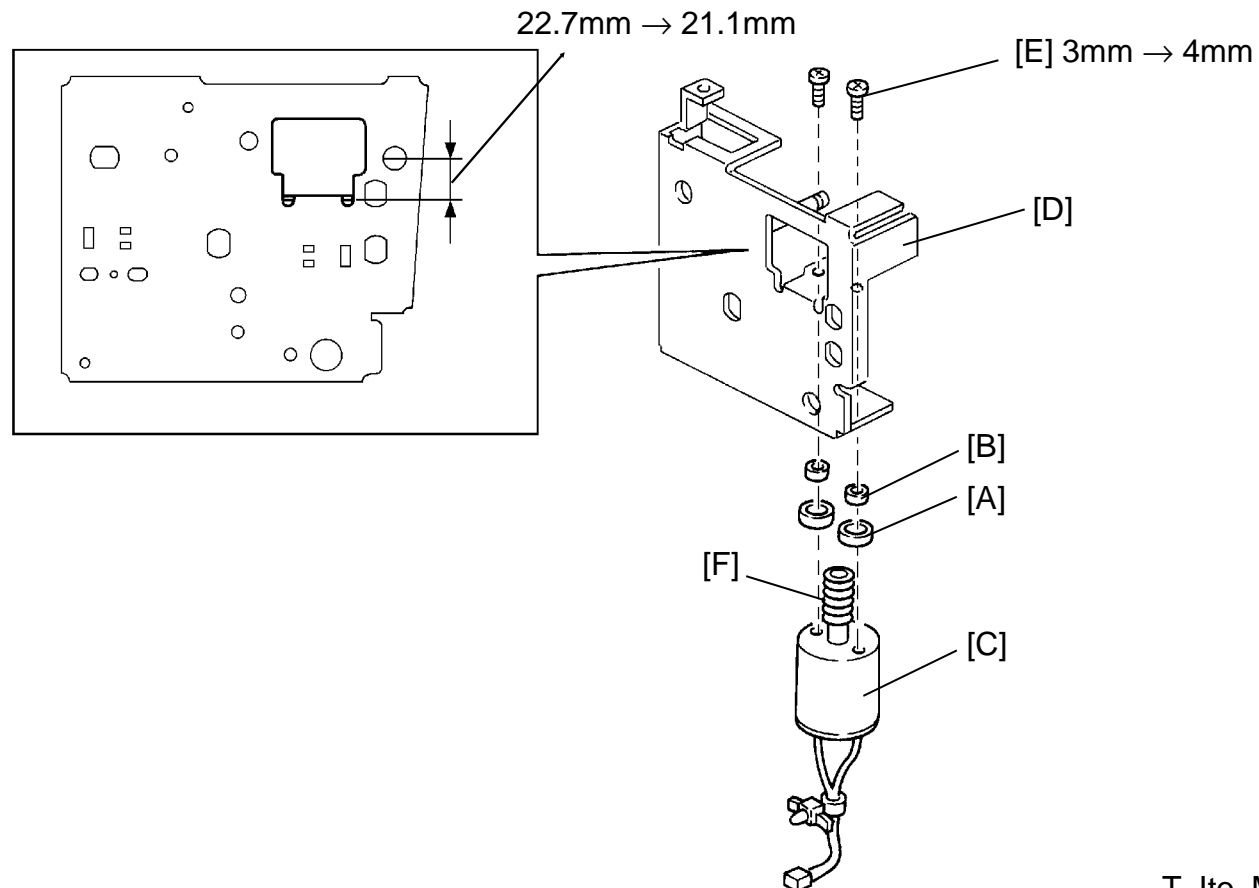
Interchangeability:

- (1) When old and new parts are not mutually interchangeable, use additional parts or an assembly parts as indicated in "Parts needed for replacement by new part" to install the new part.
- (2) 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 = Interchangeable

DETAILS OF MODIFICATION

To reduce noise, two insulators [A] and bushings [B] have been inserted between the pressure motor [C] and the right side plate. [D]

Due to this modification, the two screws [E] fixing the motor have been changed from 3mm to 4mm. Also, to keep the relation of the position between the pressure plate gear and the worm gear, [F] the configuration of the right side plate has been changed.



T. Ito, Manager
Copier Technical Support

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
GES5303 REX1220 NSA CP303	120/60	USA, CANADA	C217-12	50723050001
RICOH VT1730	120/60	USA, CANADA	C217-17	C3223050001
GES5303 REX1220 NSA CP303	230/50	EUROPE, ASIA	C217-22	50713040439
RICOH VT1730	230/50	EUROPE, ASIA	C217-27	C3223050076

MODIFICATION BULLETIN NO. 8

PAGE 1 OF 3

ISSUED ON: August 31, '93

Model		N810							Volt/Hz		Date of Modification		Serial Number	
Modified Article		Main PCB												
Reason for Modification		To extend the range of the original registration sensor adjustment												
Draw No.	Old Parts No.		New Parts No.	Description	Rank	Q'ty Used Old→New	Inter-change-ability	Parts needed for replacement by new part		Parts Catalog				
								Part No.	Description	No.	Page			
	16018185			Resistor - 200Ω 0.5W		1 → 0				212	43			
			16018137	Variable Resistor - 1KΩ		0 → 1				212	43			

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

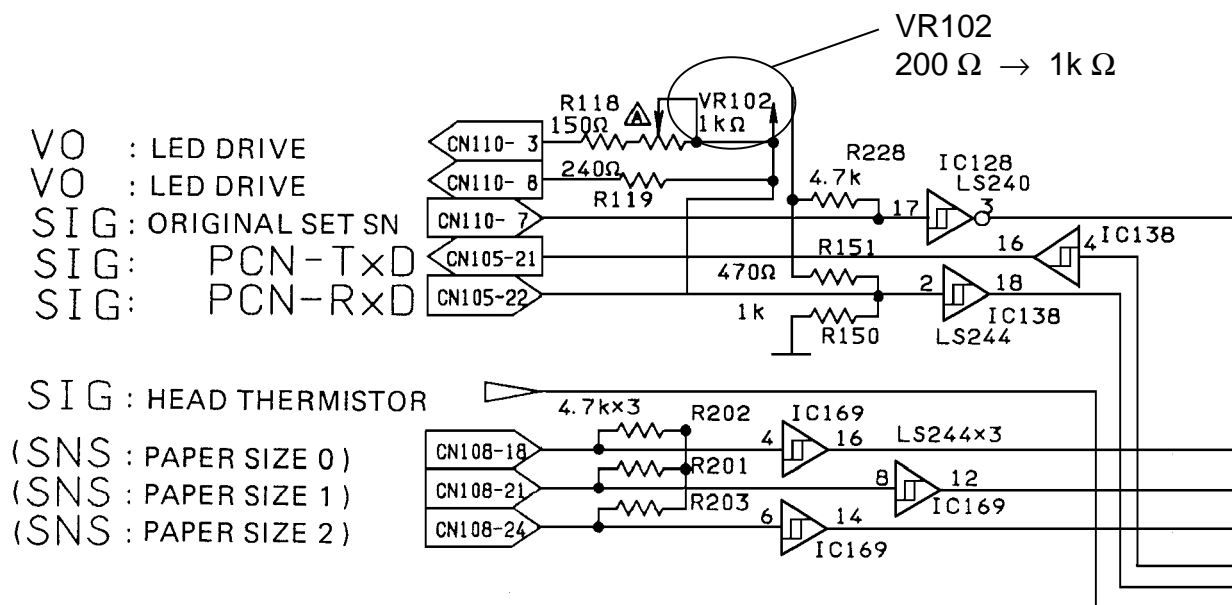
Interchangeability:

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

(2) 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 = Interchangeable

DETAILS OF MODIFICATION

To extend the range of the sensor adjustment, a variable resistor on the main board has been changed from 200 Ω to 1K Ω . The part number of the main PCB remains the same.



T. Ito, Manager
 Copier Technical Support

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
GES5303 REX1220 NSA CP303	120/60	USA, CANADA	C217-12	50723030001
RICOH VT1730	120/60	USA, CANADA	C217-17	C3223030001
GES5303 REX1220 NSA CP303	230/50	EUROPE, ASIA	C217-22	50713030001
RICOH VT1730	230/50	EUROPE, ASIA	C217-27	C3223040051

Model		N810						Volt/Hz	Date of Modification	Serial Number	
Modified Article		Pressure Plate Spring									
Reason for Modification		To facilitate assembly									
Draw No.	Old Parts No.		New Parts No.	Description	Rank	Q'ty Used Old→New	Inter-change-ability	Parts needed for replacement by new part		Parts Catalog	
								Part No.	Description	No.	Page
	55066241			Spring - Open Command Tracing Edge		2 → 0				11	25
			C2173555	Pressure Plate Spring		0 → 2	O/O			11	25

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

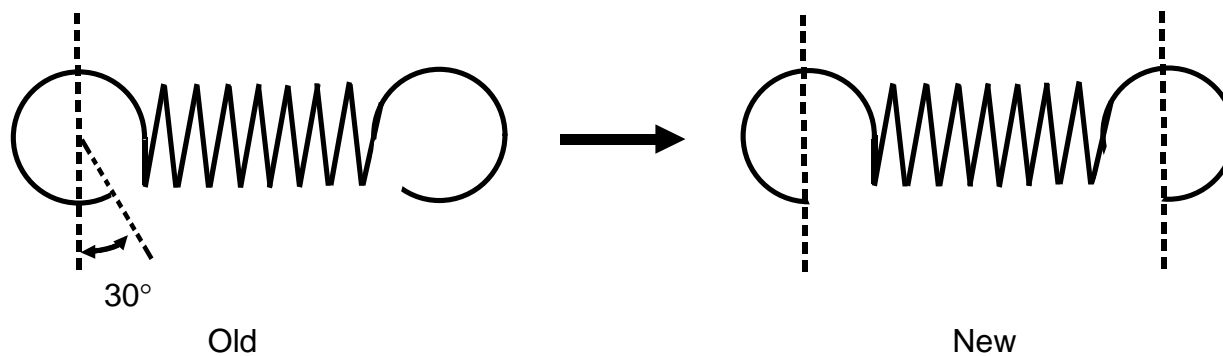
Interchangeability:

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

(2) 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 = Interchangeable

DETAILS OF MODIFICATION

To hook the spring on the pressure plate arm more easily, the configuration of the pressure plate spring has been changed as shown below.



T. Ito, Manager
Copier Technical Support

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
GES5303 REX1220 NSA CP303	120/60	USA, CANADA	C217-12	
RICOH VT1730	120/60	USA, CANADA	C217-17	
GES5303 REX1220 NSA CP303	230/50	EUROPE, ASIA	C217-22	
RICOH VT1730	230/50	EUROPE, ASIA	C217-27	

Model		N810						Volt/Hz	Date of Modification	Serial Number	
Modified Article		Air Knife Motor									
Reason for Modification		To reduce noise									
Draw No.	Old Parts No.		New Parts No.	Description	Rank	Q'ty Used Old→New	Inter-change-ability	Parts needed for replacement by new part		Parts Catalog	
								Part No.	Description	No.	Page
	C2178425		C2178424	Blower - DC 38V 20W		1 → 1	X/X		X/O as a set	2	33
			07074025	Bushing - 4 x 2.5		0 → 2				* 109	33
	09513006W			Philips Screw with Flat Washer - M3 x 6		n → n - 2				106	33
			09513008W	Philips Screw with Flat Washer - M3 x 8		0 → 2				* 110	33
									* New Index		

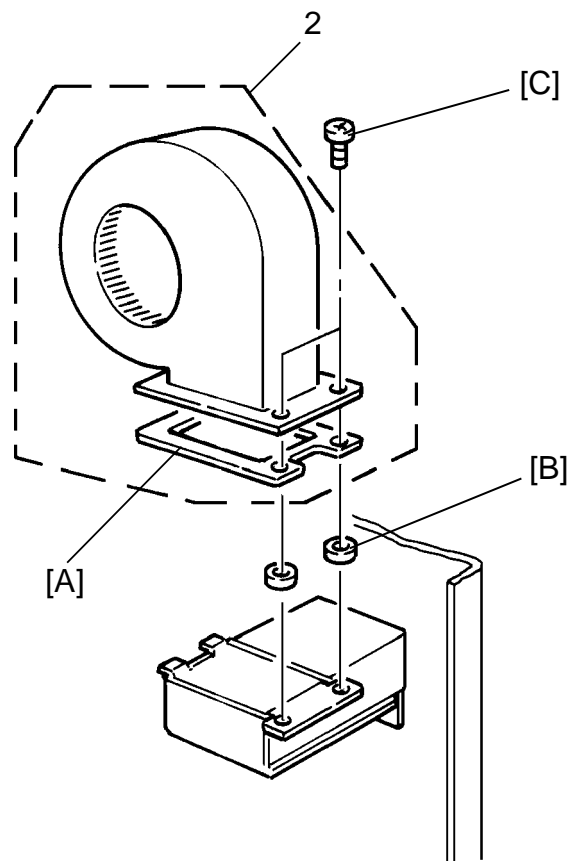
Rank: A : Replace with new parts immediately. B : Replace with new parts at time of repair. C : Replace with new parts at time of overhaul.

Interchangeability:

- (1) When old and new parts are not mutually interchangeable, use additional parts or an assembly parts as indicated in "Parts needed for replacement by new part" to install the new part.
- (2) 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 = Interchangeable

DETAILS OF MODIFICATION

To reduce noise, a rubber base [A] and two bushings [B] have been added to the air knife motor. Due to this modification, the two screws [C] fixing the motor have been changed from 6mm to 8mm.



T. Ito, Manager
Copier Technical Support

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
GES5303 REX1220 NSA CP303	120/60	USA, CANADA	C217-12	50723060001
RICOH VT1730	120/60	USA, CANADA	C217-17	C3223060001
GES5303 REX1220 NSA CP303	230/50	EUROPE, ASIA	C217-22	50713050001
RICOH VT1730	230/50	EUROPE, ASIA	C217-27	C3223050076

Model		N810						Volt/Hz	Date of Modification	Serial Number	
Modified Article		Antistatic Brush									
Reason for Modification		To facilitate service									
Draw No.	Old Parts No.		New Parts No.	Description	Rank	Q'ty Used Old→New	Inter-change-ability	Parts needed for replacement by new part		Parts Catalog	
								Part No.	Description	No.	Page
	C2174068			Inner Cover		1 → 0				13	17
			C2174064	Antistatic Brush Ass'y		0 → 1	X/O			13	17

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

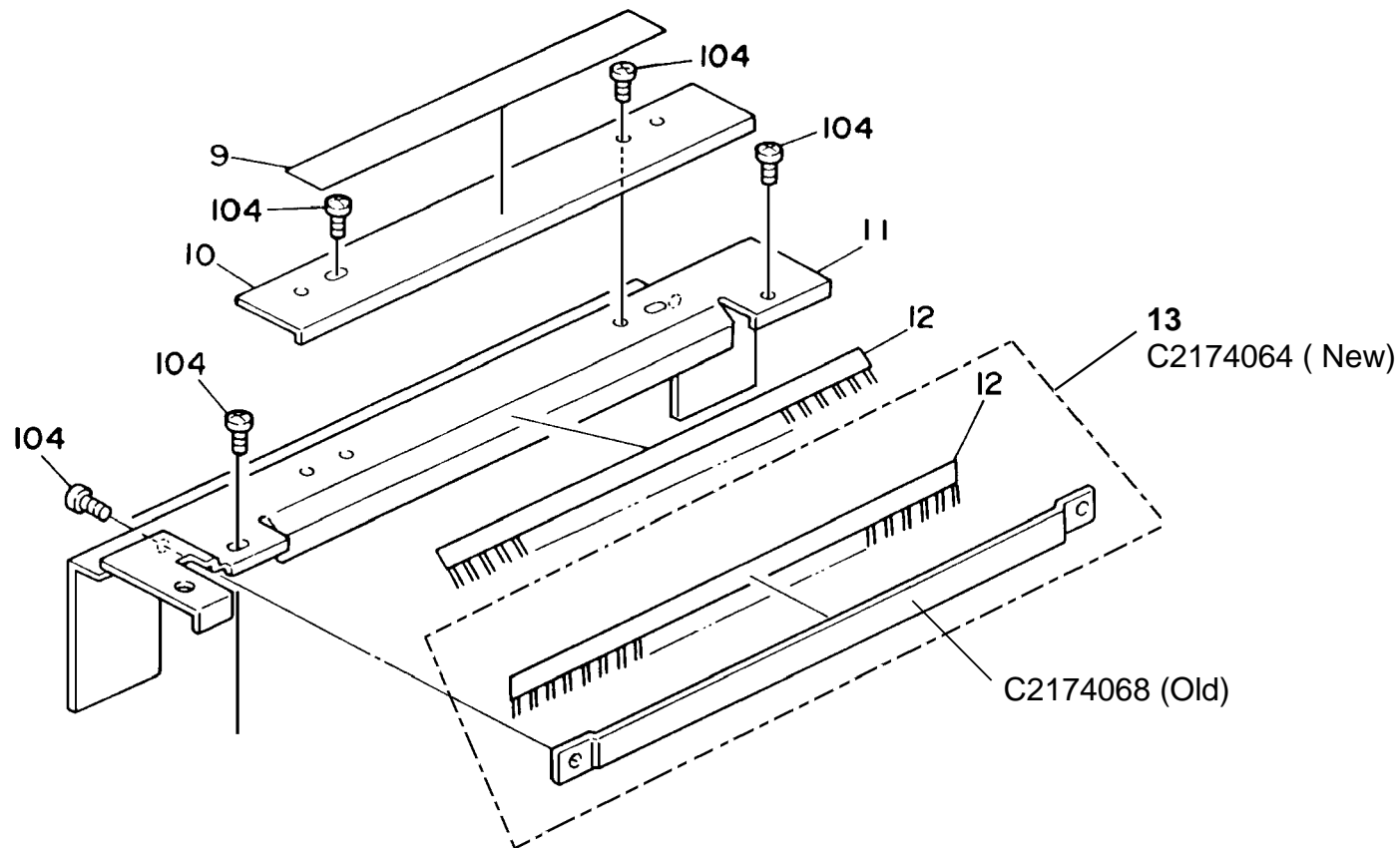
Interchangeability:

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

(2) 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 = Interchangeable

DETAILS OF MODIFICATION

To facilitate service, the Antistatic Brush Ass'y (C2174064) is now provided as a service part instead of the Inner Cover (C2174068), because in the field it is difficult to stick the brush to the correct position of the inner cover.



T. Ito, Manager
Copier Technical Support

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
GES5303 REX1220 NSA CP303	120/60	USA, CANADA	C217-12	
RICOH VT1730	120/60	USA, CANADA	C217-17	
GES5303 REX1220 NSA CP303	230/50	EUROPE, ASIA	C217-22	
RICOH VT1730	230/50	EUROPE, ASIA	C217-27	



Model	N810	Volt/Hz	Date of Modification	Serial Number
Modified Article	Parts catalog			
Reason for Modification	Parts catalog correction			

Please correct your parts catalog as follows:

Part Number Correction

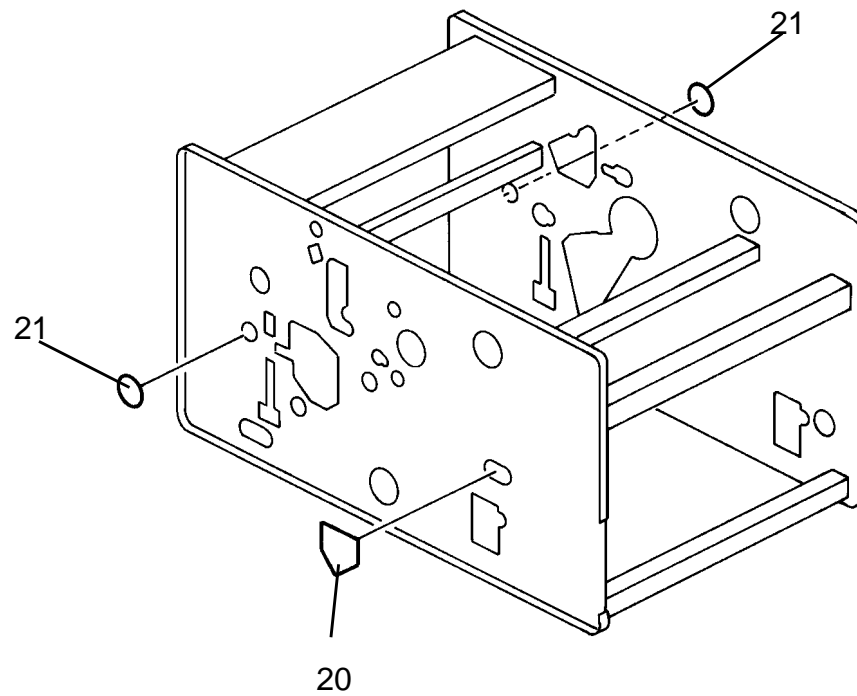
Incorrect P/N	Correct P/N	Description	Parts Catalog	
			Index No.	Page
54032075	50700346	Stepped Screw	31	7

Not Listed

Part Number	Description	Q'ty	Parts Catalog	
			Index No.	Page
C2053150	Seal - Large	1	* 20	37
C2072005	Seal - 30	2	* 21	37

* New Index

DETAILS OF MODIFICATION



36 page

S. Hamano, Assistant General Manager
Technical Support Department

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
GES5303 REX1220 NSACP303	120/60	USA, CANADA	C217-12	
RICOH VT1730	120/60	USA, CANADA	C217-17	
GES5303 REX1220 NSACP303	230/50	EUROPE, ASIA	C217-22	
RICOH VT1730	230/50	EUROPE, ASIA	C217-27	

Model		N810						Volt/Hz	Date of Modification	Serial Number
Modified Article		Master Clamper Cam								
Reason for Modification		To minimize master creasing								
Draw No.	Old Parts No.	New Parts No.	Description	Rank	Q'ty Used Old→New	Inter-change-ability	Parts needed for replacement by new part		Parts Catalog	
							Part No.	Description	No.	Page
	C2003106	C2174028	Lock Spring		2 → 2	X/X			4	19
	C2174556	C2174504	Clamper Cam		1 → 1	X/O		X/O as a set	13	21

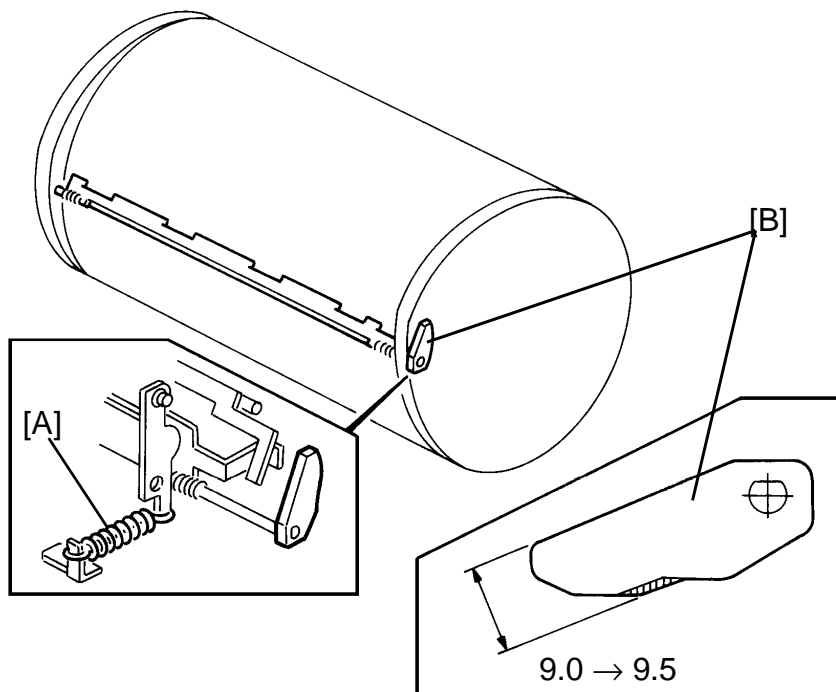
Rank: A : Replace with new parts immediately. B : Replace with new parts at time of repair. C : Replace with new parts at time of overhaul.

Interchangeability:

- (1) 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.
- (2) 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 = Interchangeable

DETAILS OF MODIFICATION

To minimize creasing of the master around the drum, the tension of the two springs that apply tension to the tension roller has been increased. To ensure proper master clamber opening after the tension is increased, the shape of the Clamper Cam [B] has been changed.



S. Hamano, Assistant General Manager
Technical Support Department

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
GES5303 REX1220 NSACP303	120/60	USA, CANADA	C217-12	50723080001
RICOH VT1730	120/60	USA, CANADA	C217-17	C3223080001
GES5303 REX1220 NSACP303	230/50	EUROPE, ASIA	C217-22	50713080001
RICOH VT1730	230/50	EUROPE, ASIA	C217-27	C3223080076

Model	N810	Volt/Hz	Date of Modification	Serial Number
Modified Article	Parts catalog			
Reason for Modification	Parts catalog correction			

Please correct your parts catalog as follows:

Part Number Correction

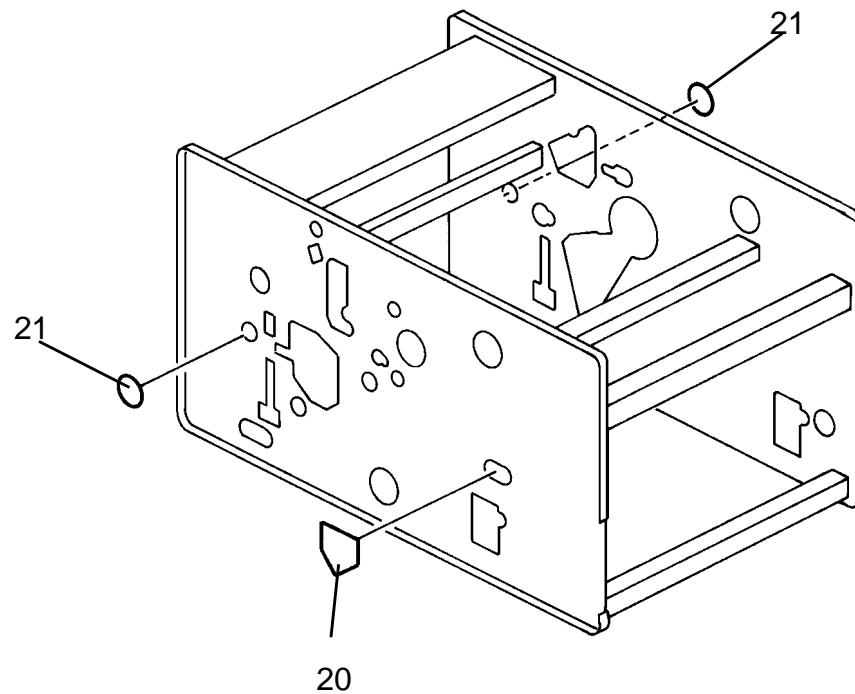
Incorrect P/N	Correct P/N	Description	Parts Catalog	
			Index No.	Page
54032075	50700346	Stepped Screw	31	7

Not Listed

Part Number	Description	Q'ty	Parts Catalog	
			Index No.	Page
C2053150	Seal - Large	1	* 20	37
C2072005	Seal - 30	2	* 21	37

* New Index

DETAILS OF MODIFICATION



36 page

S. Hamano, Assistant General Manager
Technical Support Department

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
GES5303 REX1220 NSACP303	120/60	USA, CANADA	C217-12	
RICOH VT1730	120/60	USA, CANADA	C217-17	
GES5303 REX1220 NSACP303	230/50	EUROPE, ASIA	C217-22	
RICOH VT1730	230/50	EUROPE, ASIA	C217-27	

ISSUED ON: February 15, '94

Model	N810	Volt/Hz	Date of Modification	Serial Number
Modified Article	Parts Catalog			
Reason for Modification	Parts catalog correction			

Please correct your parts catalog as follows:

Incorrect P/N	Correct P/N	Description	Index	Page
C2174026	C2174025	Thermal Head Base	22	19
55066150	C2174028	Lock Spring	23	19

S. Hamano, Assistant General Manager
Technical Support Department

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
GES5303 REX1220 NSACP303	120/60	USA, CANADA	C217-12	
RICOH VT1730	120/60	USA, CANADA	C217-17	
GES5303 REX1220 NSACP303	230/50	EUROPE, ASIA	C217-22	
RICOH VT1730	230/50	EUROPE, ASIA	C217-27	
A.B. Dick 6120	120/60	USA, CANADA	C217-18	

MODIFICATION BULLETIN NO. 15

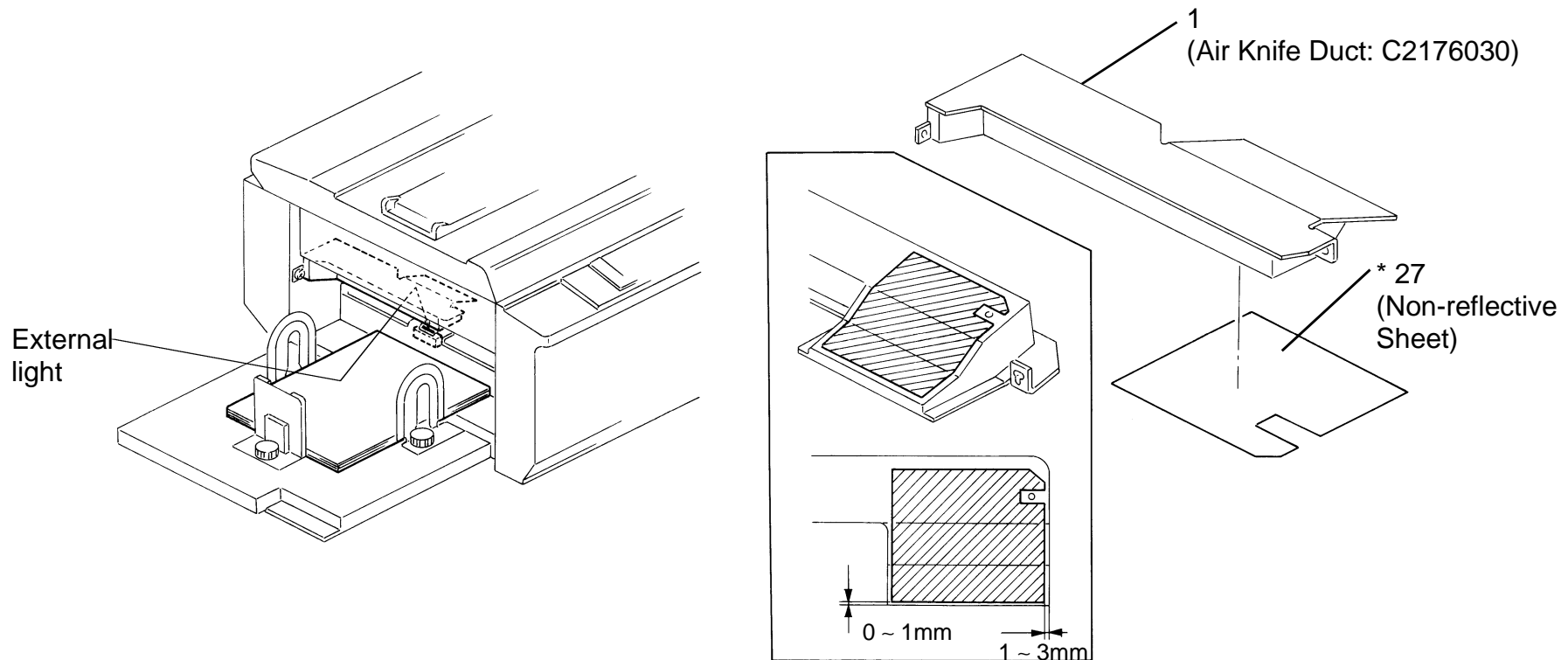
PAGE 1 OF 3

ISSUED ON: February 15, '94

[illegible]

DETAILS OF MODIFICATION

The exit sensor may detect a paper exit jam mistakenly when external light exposes the sensor as shown below. To minimize this, a sheet which has a light non-reflective material has been stuck on the air knife chamber.



S. Hamano, Assistant General Manager
Technical Support Department

ISSUED ON: February 15, '94

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
GES5303 REX1220 NSACP303	120/60	USA, CANADA	C217-12	50723110001
RICOH VT1730	120/60	USA, CANADA	C217-17	C3223110001
GES5303 REX1220 NSACP303	230/50	EUROPE, ASIA	C217-22	50713110001
RICOH VT1730	230/50	EUROPE, ASIA	C217-27	C3223110156
A.B. Dick 6120	120/60	USA, CANADA	C217-18	A2173110001 (First mass production)

MODIFICATION BULLETIN NO. 16

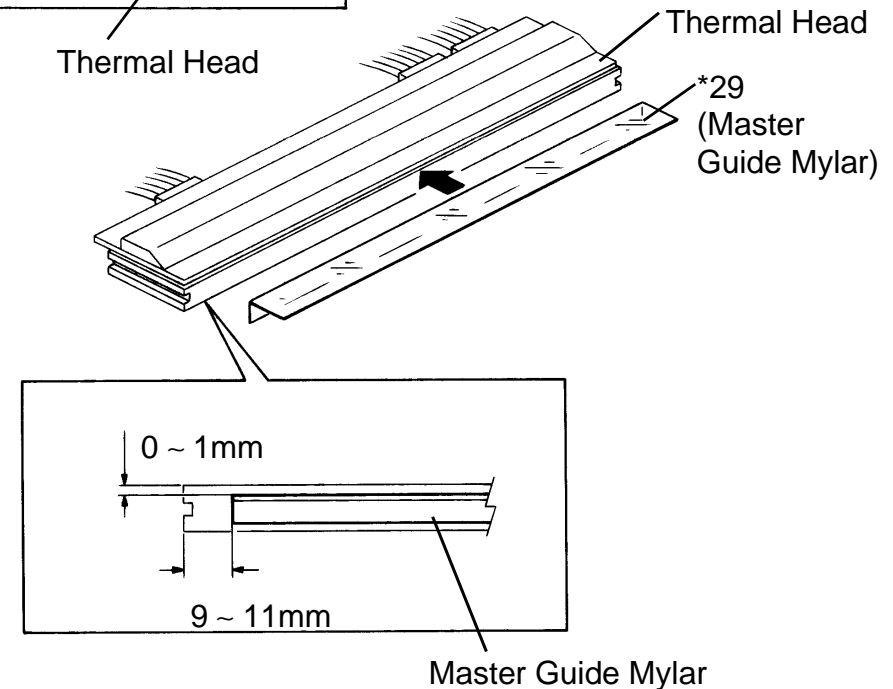
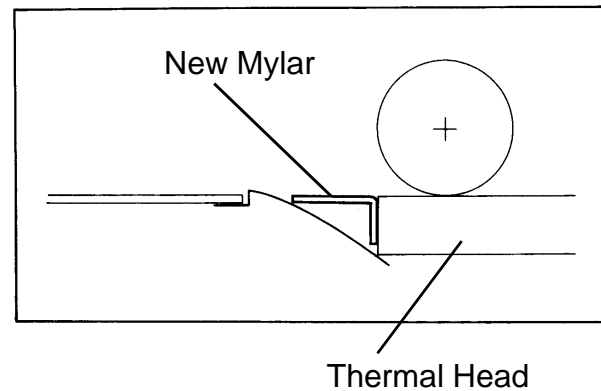
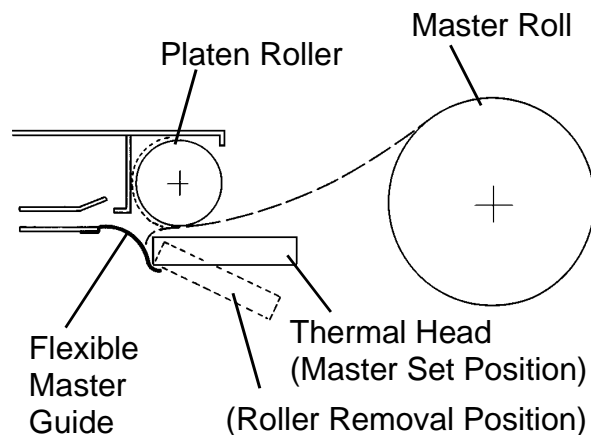
PAGE 1 OF 3

ISSUED ON: February 15, '94

Model		N810							Volt/Hz	Date of Modification	Serial Number
Modified Article		Master Guide Mylar									
Reason for Modification		To make it easier to set masters									
Draw No.	Old Parts No.		New Parts No.	Description	Rank	Q'ty Used Old→New	Inter-change-ability	Parts needed for replacement by new part		Parts Catalog	
								Part No.	Description	No.	Page
			C2174035	Master Guide Mylar		0 → 1				* 29	19
									* : New Index		
Rank: A : Replace with new parts immediately. B : Replace with new parts at time of repair. C : Replace with new parts at time of overhaul. Interchangeability: (1) 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. (2) 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 = Interchangeable											

DETAILS OF MODIFICATION

There are two positions for the thermal head release lever: one is to set the master and the other is to remove the platen roller. If an operator mistakenly uses the roller removal position for the master set, the leading edge of the master tends to hit the flexible master guide as shown below. As a result, after the master cut button is pressed, the master will wrinkle and wrap around the platen roller. To guide the master smoother, a strip of mylar has been added on the thermal head.



S. Hamano, Assistant General Manager
Technical Support Department

ISSUED ON: February 15, '94

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
GES5303 REX1220 NSACP303	120/60	USA, CANADA	C217-12	50723120001
RICOH VT1730	120/60	USA, CANADA	C217-17	C3223120001
GES5303 REX1220 NSACP303	230/50	EUROPE, ASIA	C217-22	50713110001
RICOH VT1730	230/50	EUROPE, ASIA	C217-27	C3223110156
A.B. Dick 6120	120/60	USA, CANADA	C217-18	A2173110001 (First mass production)

Model		N810						Volt/Hz	Date of Modification	Serial Number	
Modified Article		ADF Friction Pad Spacer									
Reason for Modification		To facilitate assembly									
Draw No.	Old Parts No.		New Parts No.	Description	Rank	Q'ty Used Old→New	Inter-change-ability	Parts needed for replacement by new part		Parts Catalog	
								Part No.	Description	No.	Page
			C2173026	Spacer - 0.5 x 13 x 46		0 → 1				* 20	9
									* New Index		

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

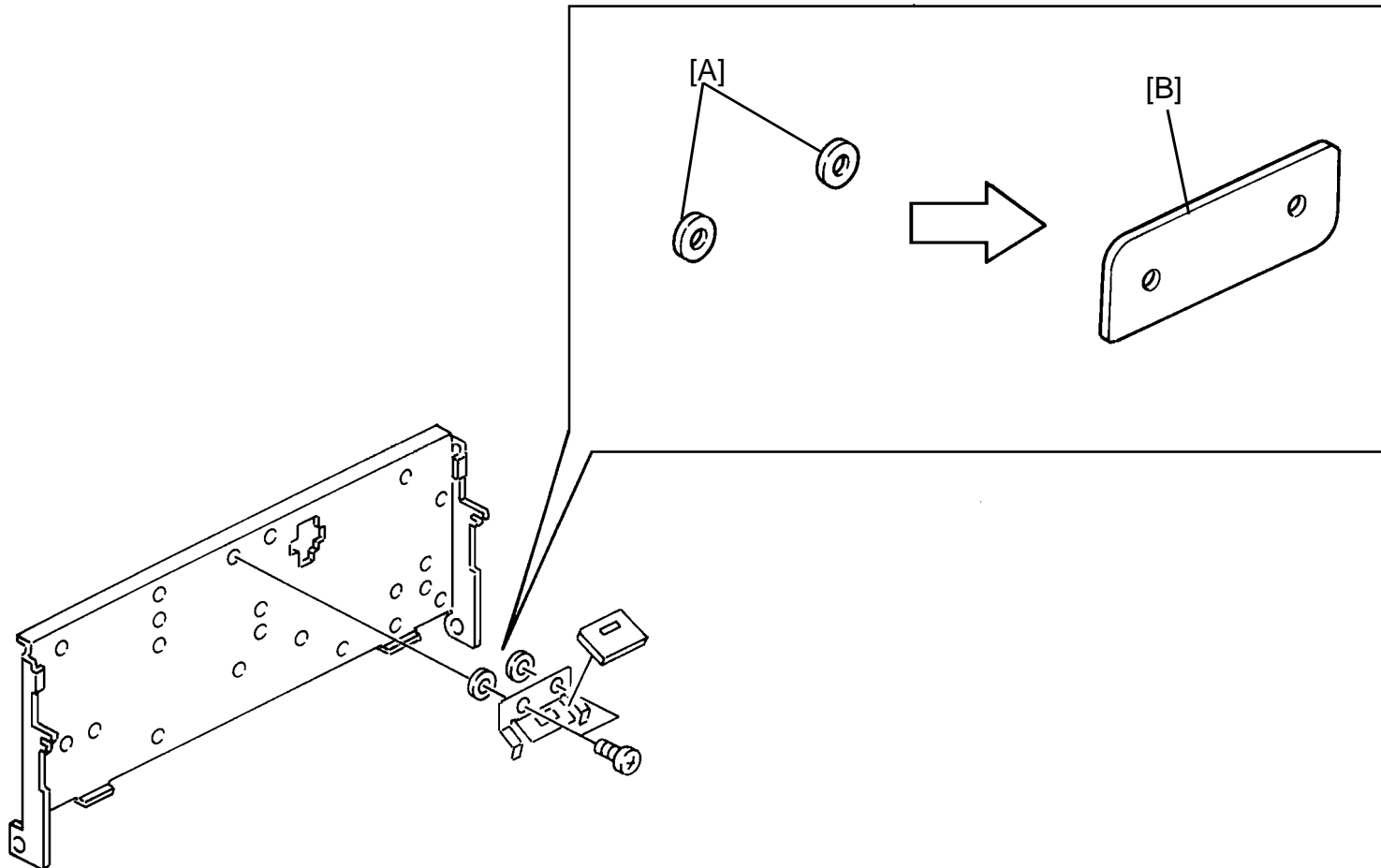
Interchangeability:

(1) 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.

(2) 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 = Interchangeable

DETAILS OF MODIFICATION

To facilitate assembly, the ADF friction pad spacer has been changed from two washers [A] (These washers are not listed on the parts catalog, but being installed from the 1st production.) have been changed to a thin square plate [B].



S. Hamano, Assistant General Manager
Technical Support Department

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
GES5303 REX1220 NSACP303	120/60	USA, CANADA	C217-12	50723090001
RICOH VT1730	120/60	USA, CANADA	C217-17	C3223090001
GES5303 REX1220 NSACP303	230/50	EUROPE, ASIA	C217-22	50713090001
RICOH VT1730	230/50	EUROPE, ASIA	C217-27	C3223110156
A.B. Dick 6120	120/60	USA, CANADA	C217-18	A2173110001 (First mass production)

Model		N810						Volt/Hz	Date of Modification	Serial Number	
Modified Article		Feed Pressure Spring, etc.									
Reason for Modification		To ensure the paper stack capacity with the weak paper feed pressure position									
Draw No.	Old Parts No.		New Parts No.	Description	Rank	Q'ty Used Old→New	Inter-change-ability	Parts needed for replacement by new part		Parts Catalog	
								Part No.	Description	No.	Page
	C2175021		C2175023	Paper Table Stay		1 → 1	X/O			15	15
	C2175069		C2175065	Holder - Feed Pressure Lever		2 → 2	X/O			27	15
			C2175063	Feed Pressure Spring - 135 mm		0 → 2				* 35	15
									* : New Index		

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

Interchangeability:

(1) 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.

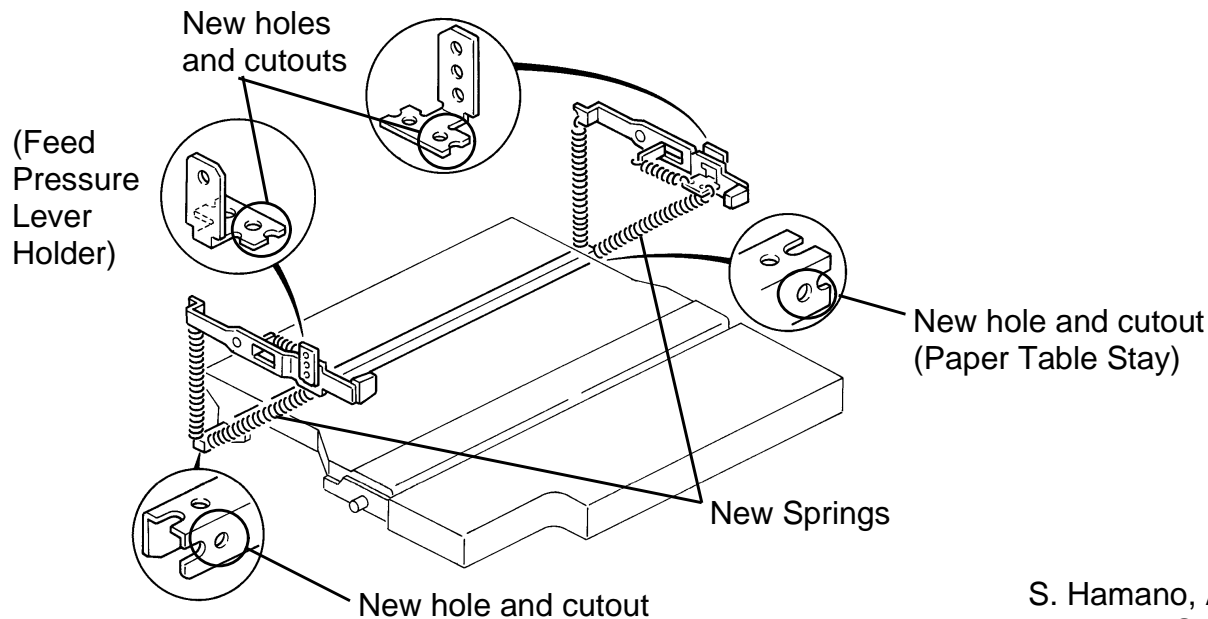
(2) The mark to the left of the slash indicates whether the old part can be used in the new machine, and the mark to the right indicates whether the new part can be used in the old machine. x = Not interchangeable o = Interchangeable

DETAILS OF MODIFICATION

This bulletin is a supplement to RTB-003.

With the current paper table lifting mechanism, paper misfeeds may occur when the pressure adjustment levers are in the upper position (the weak paper feed pressure position) and 500 sheets of standard paper (80 g/m² or 20 lb paper) are set on the paper table. To ensure the paper stack capacity even with the weak paper feed pressure position, two springs have been added. To hook the springs, holes and cutouts have been added to the paper table stay and feed pressure lever holder as shown below.

NOTE: Due to this modification, the pressure adjustment levers have been returned to the upper position in the factory (this is now the factory setting). As in the past, set the levers in the lower position when paper misfeeds occur and return them to the upper position when paper multifeeds occur.



S. Hamano, Assistant General Manager
Technical Support Department

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
GES5303 REX1220 NSACP303	120/60	USA, CANADA	C217-12	50724080001
RICOH VT1730	120/60	USA, CANADA	C217-17	C3224080001
GES5303 REX1220 NSACP303	230/50	EUROPE, ASIA	C217-22	50714080197
RICOH VT1730	230/50	EUROPE, ASIA	C217-27	C3224090186
A.B. Dick 6120	120/60	USA, CANADA	C217-18	A217408XXXX

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

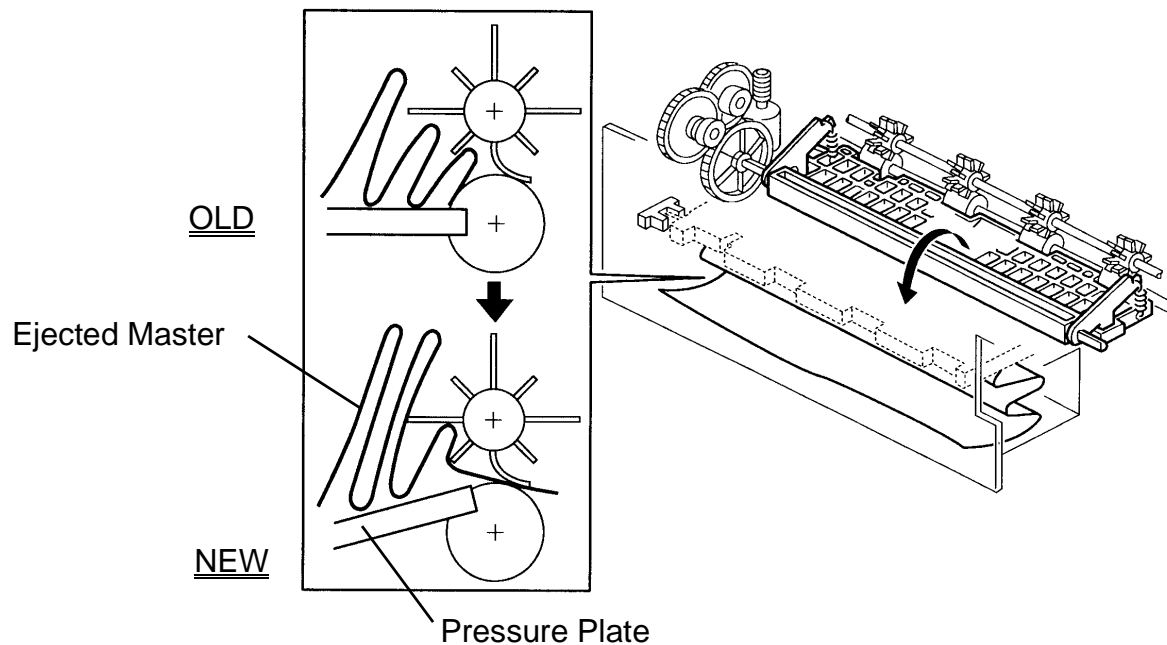
Interchangeability:

(1) 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.

(2) 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 = Interchangeable

DETAILS OF MODIFICATION

It was found that the ejected master can be fed by the eject rollers more smoothly if a pressure plate is placed just below the upper eject rollers. (See the illustration below.) With the current pressure plate position, the trailing edge of the ejected master tends to be caught by the lower eject rollers.



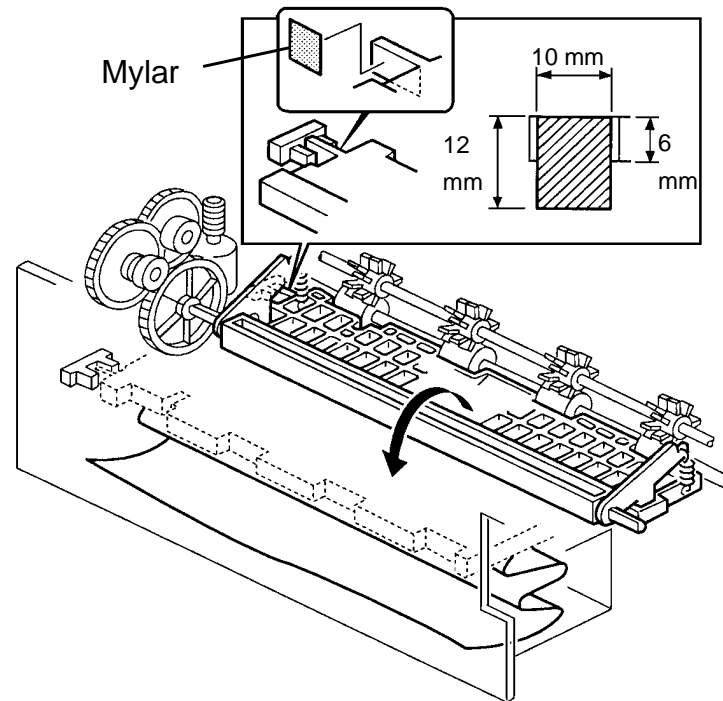
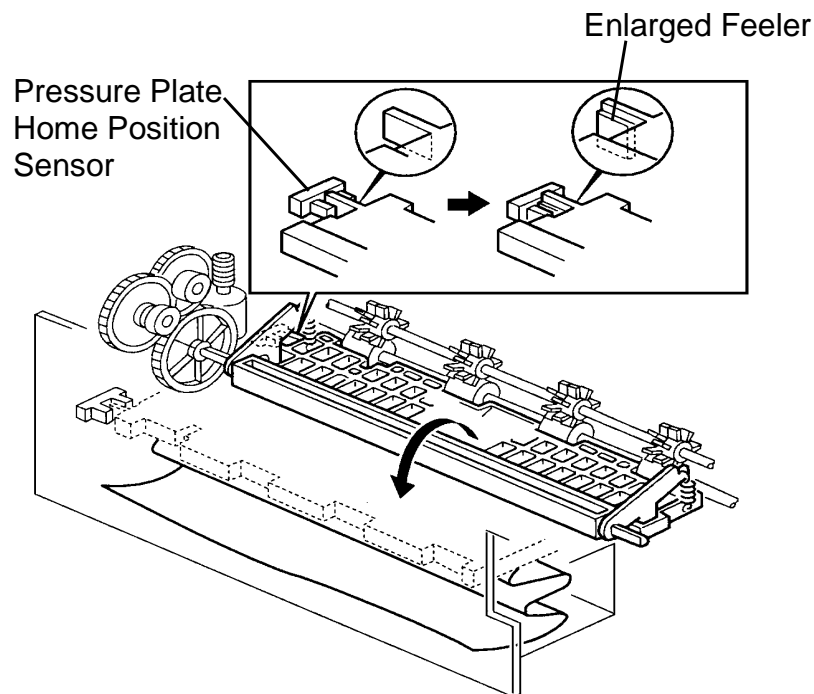
DETAILS OF MODIFICATION

To enable the pressure plate to stop slightly higher than the current position, the feeler in the pressure plate, which is detected by the pressure plate home position sensor, has been enlarged as shown below left. The enlarged feeler is detected by the sensor earlier than the current type, causing the pressure plate to stop just below the upper eject rollers.

For the field units, the same effect can be obtained by attaching a strip of mylar on the feeler (see the illustration below right).

CAUTION :

1. The mylar must not be transparent and must be detected by the pressure plate home position sensor.
2. The size of the mylar must not exceed that indicated in the illustration. If the mylar is too large, the pressure plate will stop at too high a position and will interfere with the ejected master transportation.



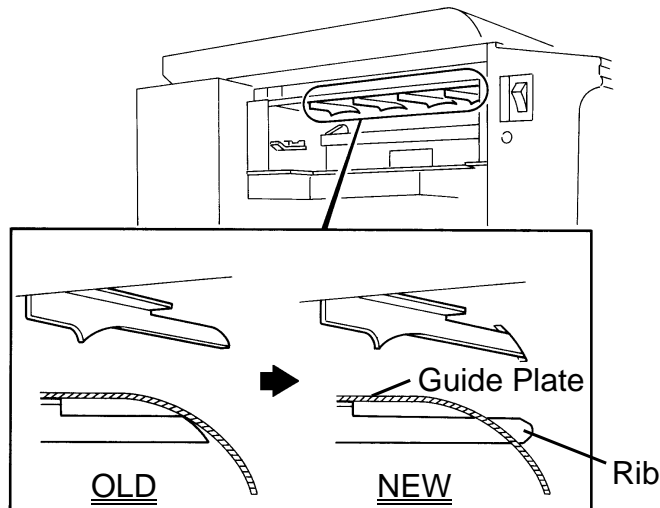
S. Hamano, Assistant General Manager
Technical Support Department

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
GES5303 REX1220 NSACP303	120/60	USA, CANADA	C217-12	50724120001
RICOH VT1730	120/60	USA, CANADA	C217-17	C3224120001
GES5303 REX1220 NSACP303	230/50	EUROPE, ASIA	C217-22	50714120001
RICOH VT1730	230/50	EUROPE, ASIA	C217-27	C3224120061
A.B. Dick 6120	120/60	USA, CANADA	C217-18	A217412XXXX

Model	N810	Volt/Hz	Date of Modification	Serial Number
Modified Article	Guide Plate - Eject Unit			
Reason for Modification	To prevent master eject jams			

To prevent master eject jams, the ribs fixed to the guide plate have been changed as shown below. For details, refer to RTB-004.

Old P/N	New P/N	Description	Q'ty Used	Inter-change-ability	Parts Catalog	
					Index No.	Page
C2173565	C2173567	Guide Plate - Eject Unit	1 → 1	X/O	3	25



S. Hamano, Assistant General Manager
Technical Support Department

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
GES5303 REX1220 NSACP303	120/60	USA, CANADA	C217-12	50724060001
RICOH VT1730	120/60	USA, CANADA	C217-17	C3224070001
GES5303 REX1220 NSACP303	230/50	EUROPE, ASIA	C217-22	50714060001
RICOH VT1730	230/50	EUROPE, ASIA	C217-27	C3224060001
A.B. Dick 6120	120/60	USA, CANADA	C217-18	A217406XXXX

Model		N810						Volt/Hz	Date of Modification	Serial Number	
Modified Article		Side Fence Pad									
Reason for Modification		To ensure that the side fence pads fit firmly									
Draw No.	Old Parts No.		New Parts No.	Description	Rank	Q'ty Used Old→New	Inter-change-ability	Parts needed for replacement by new part		Parts Catalog	
								Part No.	Description	No.	Page
	C2175014		C2175019	Side Fence Pad		2 → 2	O/O			7	15
			C2175017	Cushion - 20 x 35		0 → 2				* 36	15

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

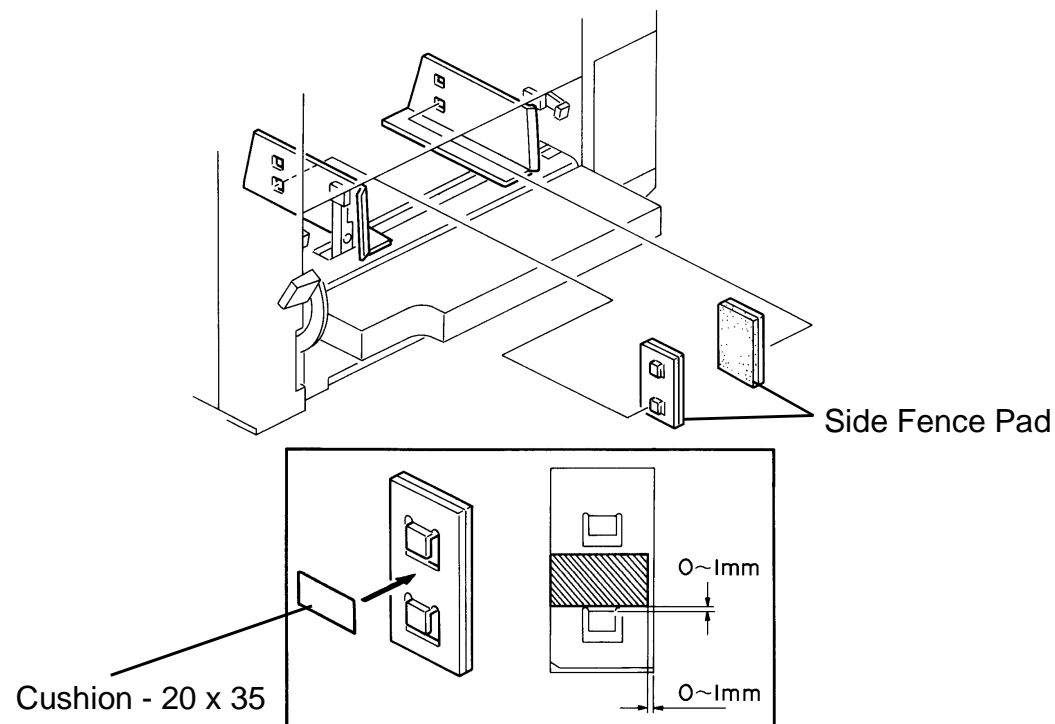
Interchangeability:

(1) 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.

(2) 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 = Interchangeable

DETAILS OF MODIFICATION

To fit the side fence pads (accessories of the machine) to the side fences firmly, a cushion (C2175017) has been added to each side fence pad as shown below. The new side fence pad (C2175019) includes the cushion.



S. Hamano, Assistant General Manager
Technical Support Department

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
GES5303 REX1220 NSACP303	120/60	USA, CANADA	C217-12	50724060001
RICOH VT1730	120/60	USA, CANADA	C217-17	C3224070001
GES5303 REX1220 NSACP303	230/50	EUROPE, ASIA	C217-22	50714060001
RICOH VT1730	230/50	EUROPE, ASIA	C217-27	C3224050001
A.B. Dick 6120	120/60	USA, CANADA	C217-18	A217406XXXX

Model	N810	Volt/Hz	Date of Modification	Serial Number
Modified Article	ROM on the Main Board			
Reason for Modification	To make the installation of the Interface Unit 10 Type 2 easier			

To enable the installation of the Interface Unit 10 Type 2 (C544-01) without replacing the ROM on the main board, the following has been changed:

Old P/N	New P/N	Description	Parts Catalog	
			Index No.	Page
C2178005		IC - TMS27C512-15JL		
	C2178015	IC - M27C512-12F1	15 1	35 43

NOTE:

For machines which are not fitted with the Interface Unit 10 Type 2, the old and new parts are interchangeable (O/O). The part number of the main board remains the same, but its suffix has been advanced from R to S. For details, refer to Interface kit MB No. 4.

S. Hamano, Assistant General Manager
Technical Support Department

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
GES5303 REX1220 NSACP303	120/60	USA, CANADA	C217-12	50724080001
RICOH VT1730	120/60	USA, CANADA	C217-17	C3224080001
GES5303 REX1220 NSACP303	230/50	EUROPE, ASIA	C217-22	50714090001
RICOH VT1730	230/50	EUROPE, ASIA	C217-27	C3224090186
A.B. Dick 6120	120/60	USA, CANADA	C217-18	A217409XXXX

Model	N810	Volt/Hz	Date of Modification	Serial Number
Modified Article	ROM on the Main Board			
Reason for Modification	To enable the use of the new function of the Interface Unit - 10			

To enable the use of the new function of the Interface Unit - 10, the ROM on the main board has been changed as follows:

Old P/N	New P/N	Description	Parts Catalog	
			Index No.	Page
C2178015	C2178016	IC - M27C512-12F1	15	35
			1	43

NOTE:

For the machines which are not fitted with the Interface Unit - 10, the old and new parts are interchangeable (O/O). The part number of the main board remains the same, but the suffix has been advanced from S to T. For details of the new function, refer to page 9 of Interface kit MB No. 5.

M. Iwasa, Assistant General Manager
Technical Support Department

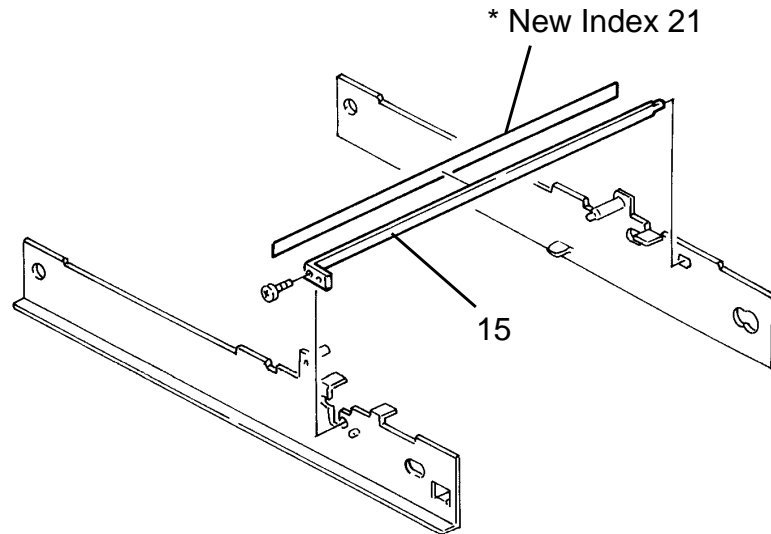
MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
GES5303 REX1220 NSACP303	120/60	USA, CANADA	C217-12	50725070001
RICOH VT1730	120/60	USA, CANADA	C217-17	C3225040001
GES5303 REX1220 NSACP303	230/50	EUROPE, ASIA	C217-22	50715040001
RICOH VT1730	230/50	EUROPE, ASIA	C217-27	C3225040026
A.B. Dick 6120	120/60	USA, CANADA	C217-18	A217504XXXX

Model	N810 (VT1730 / Ges 5303 / Rex 1220 / NSA CP303 / ABD 6120)	Volt/Hz	Date of Modification	Serial Number
Modified Article	Parts Catalog			
Reason for Modification	Parts Catalog Correction			

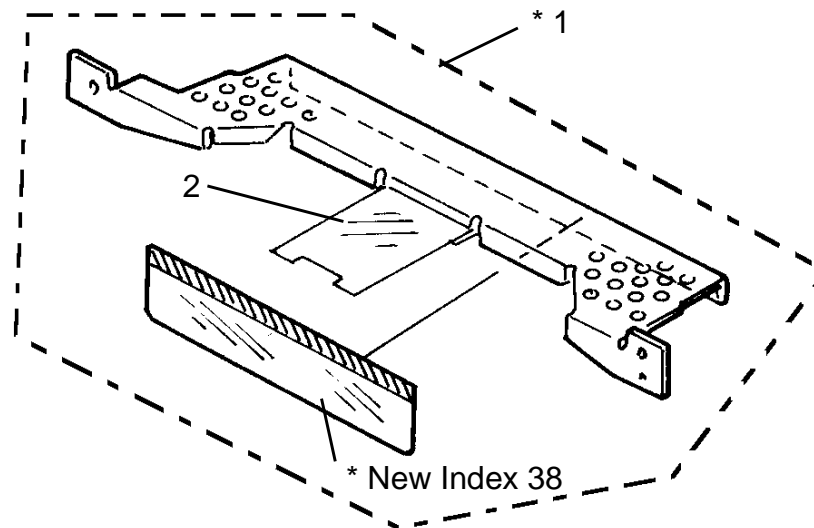
Correct your parts catalog as follows:

Draw No.	Incorrect P/N	Correct P/N	Description	Q'ty Used	Parts Catalog	
					Index No.	Page
	03330060D	03230100Z	Philips Counter Sunk Screw - M3 X 6	2 → 0		
			Philips Sunken Head Screw - M3 X 10	0 → 2	107	7
1		C2173051	Reflector	0 → 1	* 21	9
	C2173048	C2173095	Feed Roller Stay	1 → 1	24	11
2	C2176011	C2176010	Exit Guide Plate	1 → 0		
			Exit Guide Plate Ass'y	0 → 1	1	27
2		C2176013	Mylar Sheet - 29 x 249	0 → 1	* 38	27
	06330140Z	06330140G	Parallel Pin - 3 x 14	2 → 2	102	29
	C2176131	C2176132	Switch Bracket	1 → 1	13	35
	16041362	16041855	Capacitor - 4.7μF 25V	1 → 1	125	39

Drawing No. 1



Drawing No. 2



M. Iwasa, Manager
Technical Support Department

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
GES5303 REX1220 NSACP303	120/60	USA, CANADA	C217-12	
RICOH VT1730	120/60	USA, CANADA	C217-17	
GES5303 REX1220 NSACP303	230/50	EUROPE, ASIA	C217-22	
RICOH VT1730	230/50	EUROPE, ASIA	C217-27	
A.B. Dick 6120	120/60	USA, CANADA	C217-18	

Model			N810 (VT1730 / Ges 5303 / Rex 1220 / NSA CP303 / ABD 6120)						Volt/Hz		Date of Modification		Serial Number	
Modified Article			Pressure Motor, etc.											
Reason for Modification			To reduce noise from the master eject motor (A permanent solution for MB-07)											
Draw No.	Old Parts No.		New Parts No.	Description	Rank	Q'ty Used Old→New	Inter-change-ability	Parts needed for replacement by new part		Parts Catalog				
								Part No.	Description	No.	Page			
	C2098256			Pressure Motor - DC24V		1 → 0								
			C2178447	DC Motor - 24V / 7.2W		0 → 1	X/O			9	25			
	C2173516		C2173511	Right Side Plate - Eject Unit		1 → 1	X/X	O/O as a set		26	25			
	C2173591			Insulator		2 → 0				29	25			
	07073016B			Bushing - 3 x 1.6		2 → 0				111	25			
	03130040W			Philips Pan Head Screw - M3 x 4		n → n-2				110	25			
			08011135	Philips Pan Head Screw - M3 x 3		n → n+2	X/X			107	25			

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

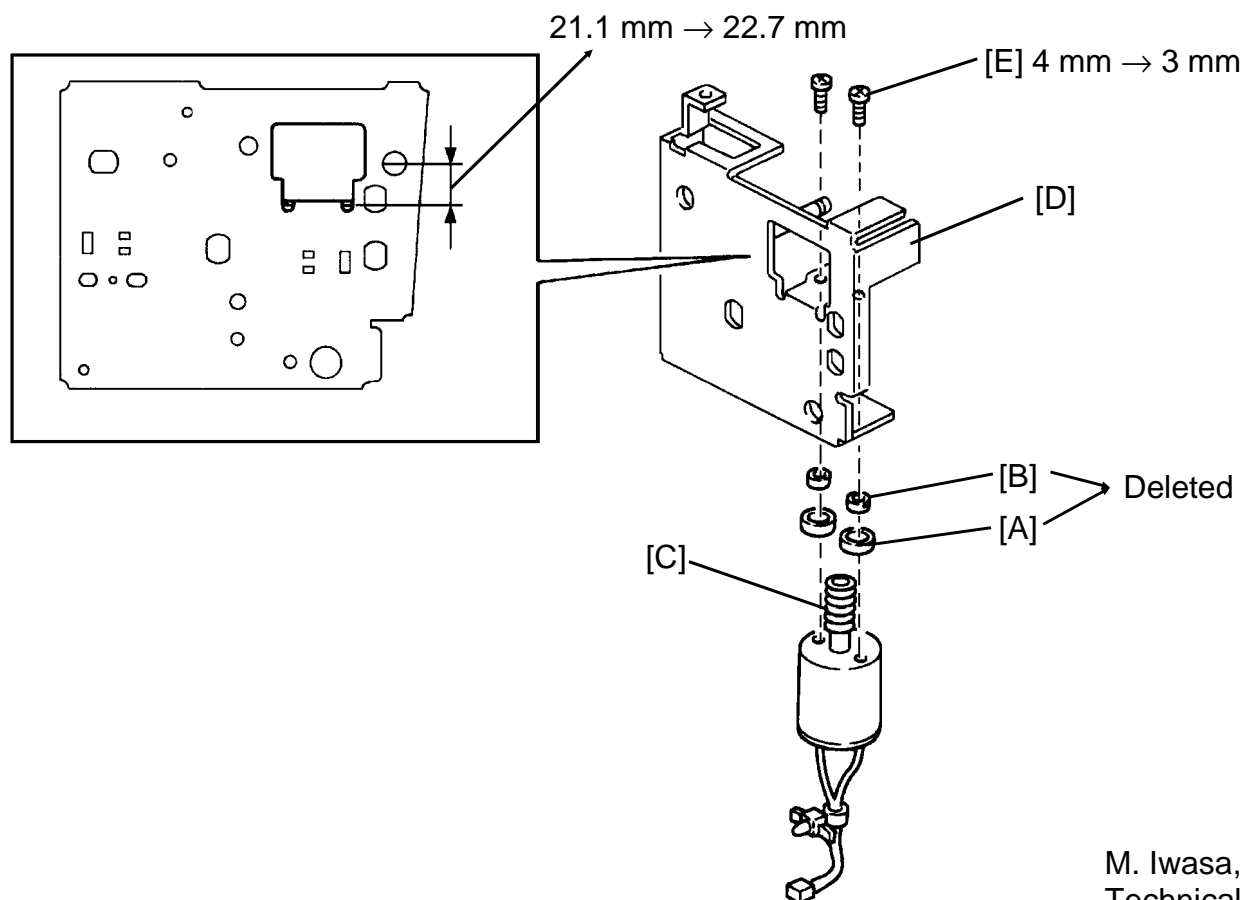
Interchangeability:

- (1) 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.
- (2) 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 = Interchangeable

DETAILS OF MODIFICATION

As a permanent solution of the modification described in MB-07, the material of the pressure motor's worm gear [C] has been changed from a combination of metal and plastic to metal.

Due to this, the right side plate [D] has been returned to the previous type, and the bushings [B] and insulators [A] are no longer used. The screws securing the motor [E] have also been returned.



M. Iwasa, Manager
Technical Support Department

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
GES5303 REX1220 NSACP303	120/60	USA, CANADA	C217-12	50724010001
RICOH VT1730	120/60	USA, CANADA	C217-17	C3224020001
GES5303 REX1220 NSACP303	230/50	EUROPE, ASIA	C217-22	50714020001
RICOH VT1730	230/50	EUROPE, ASIA	C217-27	C3224020086
A.B. Dick 6120	120/60	USA, CANADA	C217-18	A2174020001

Model		N810 (VT1730 / Ges 5303 / Rex 1220 / NSA CP303 / ABD 6120)						Volt/Hz	Date of Modification	Serial Number	
Modified Article											
Reason for Modification		Due to parts standardization with other models									
Draw No.	Old Parts No.		New Parts No.	Description	Rank	Q'ty Used Old→New	Inter-change-ability	Parts needed for replacement by new part		Parts Catalog	
								Part No.	Description	No.	Page
	C2172611		C2172612	Scanner Cover (Ricoh / A. B. Dick)		1 → 1	O/O			12	7
	C2172600		C2172601	Scanner Cover (NRG)		1 → 1	O/O			12	7
	C2172615		C2172616	ADF Cover (Ricoh / A. B. Dick)		1 → 1	O/O			1	9
	C2172620		C2172621	ADF Cover (NRG)		1 → 1	O/O			1	9
	C2173027		C2173028	ADF Friction Pad Ass'y		1 → 1	O/O			5	9

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

Interchangeability:

- (1) 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.
- (2) 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 = Interchangeable

Draw No.	Old Parts No.	New Parts No.	Description	Rank	Q'ty Used Old → New	Inter-change-ability	Part needed for replacement by new part		Parts Catalog	
							Part No.	Description	No.	Page
1	C2175003	C2255002	Front Side Fence			X/X	The Paper Table Ass'y (# C2175272 for the Ricoh and A. B. Dick versions, # C2175271 for the NRG version), which is the whole assembled part, can be used with interchangeability O/O.		5	15
1	C2175004	C2255001	Rear Side Fence			X/X			6	15
1	C2175022		Spring Lever		2 → 0				8	15
1	C2175030		Lever Cap		2 → 0				9	15
1	C2175033		Slider Lever		2 → 0				10	15
1	C2175031		Lever Shaft		2 → 0				11	15
1	C2175216	C2175261	Paper Table (Ricoh / A. B. Dick)		1 → 1	X/X			20	15
1	C2175016	C2175251	Paper Table (NRG)		1 → 1	X/X			20	15
1	C2175036		Side Fence Shaft		1 → 0				32	15
1		C2175272	Paper Table Ass'y (Ricoh / A. B. Dick)		0 → 1				* 37	15
1		C2175271	Paper Table Ass'y (NRG)		0 → 1				* 37	15
1		C2173005	Original Guide Rack		0 → 2				* 38	15
1		C2255016	Front Base Bracket		0 → 1				* 39	15
1		C2255015	Rear Base Bracket		0 → 1				* 40	15
1		C2255013	Gear Spacer		0 → 1				* 41	15

* : New Index

Draw No.	Old Parts No.		New Parts No.	Description	Rank	Q'ty Used Old → New	Inter-change-ability	Part needed for replacement by new part		Parts Catalog	
								Part No.	Description	No.	Page
	C2174802		C2174902	Drum Clamper Ass'y		1 → 1	O/O			1	21
	C2174544		C2174744	Clamper Magnet Plate		1 → 1	O/O			3	21
	C2174539		C2174639	Clamper Base		1 → 1	O/O			4	21
	C2174536		C2174636	Tefron Screen - LG		1 → 1	O/O			9	21
4	C2154557			Spring		2 → 0				4	23
4	C2174594		C2184594	Rear Bank Plate		1 → 1	O/O			16	23
4	C2174592		C2184592	Front Bank Plate		1 → 1	O/O			17	23
4			C2184558	Front Doctor Roller Ring		0 → 1				* 27	23
4			C2184559	Rear Doctor Roller Ring		0 → 1				* 28	23
4			C2184560	Ring Spring		0 → 2				* 29	23
	Correct the part number as shown below and the index numbers (one of index 25 and index 26) as shown in Drawing No. 4.										
4	C2175696			Sponge - Bank Plate		2 → 1		(The sponge in the front remains the same.)		25	23
			C2174597	Sponge - Rear Bank Plate		0 → 1				* 26	23
									* : New Index		

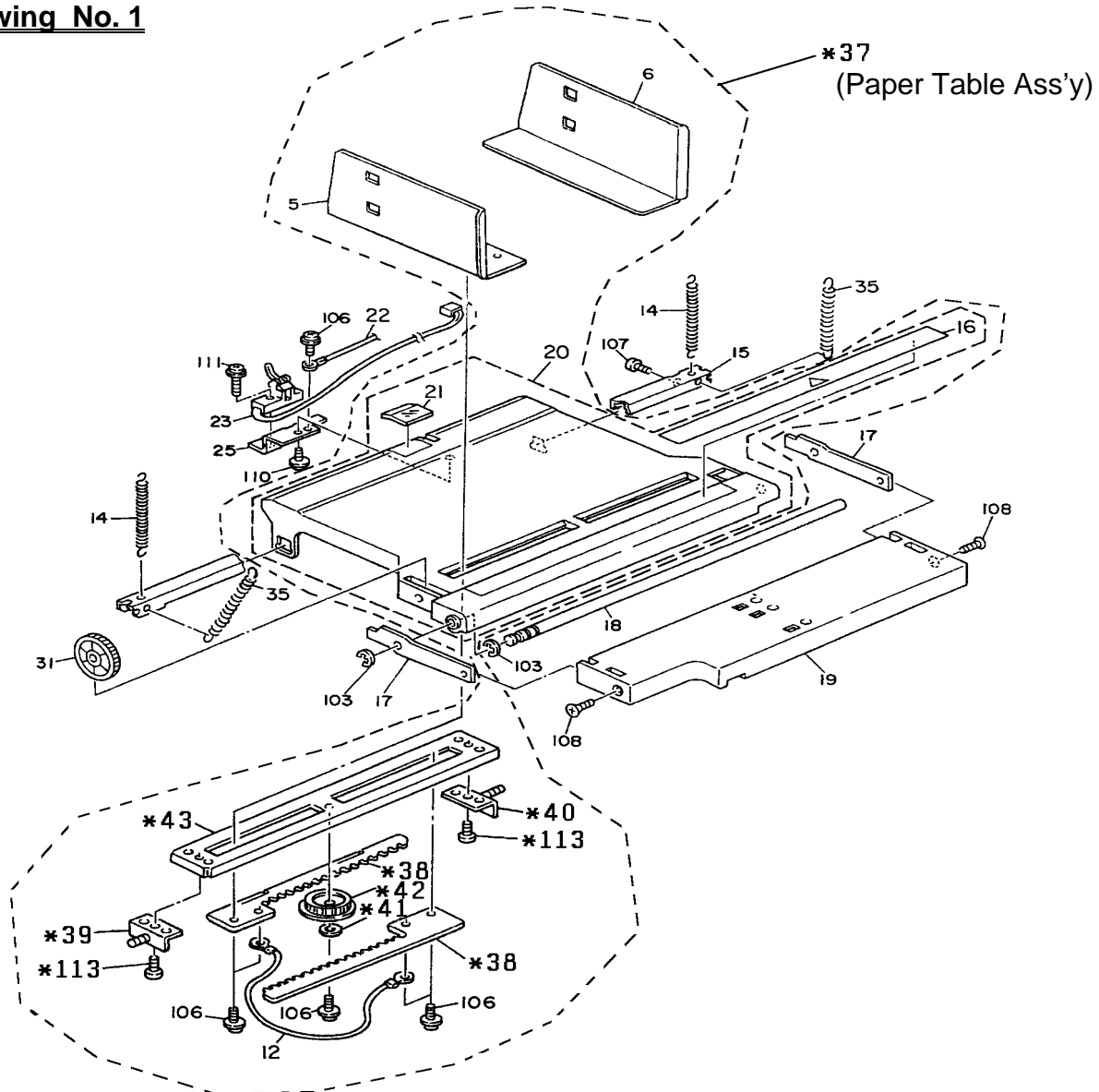
MODIFICATION BULLETIN NO. 26

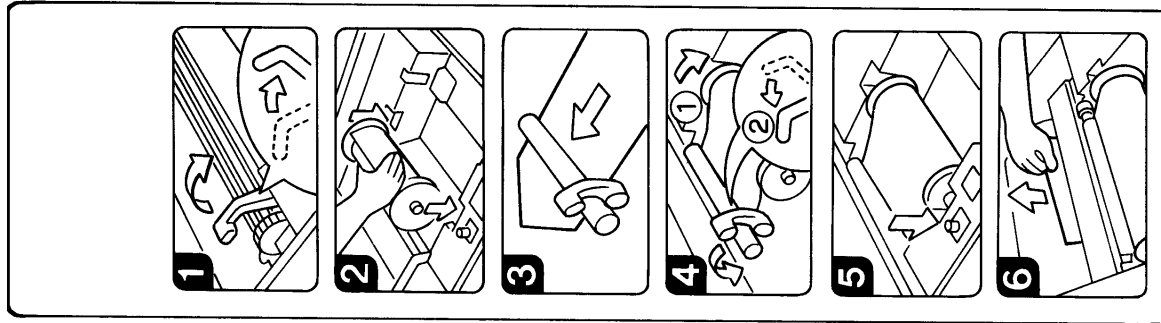
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ISSUED ON: February 15, '96

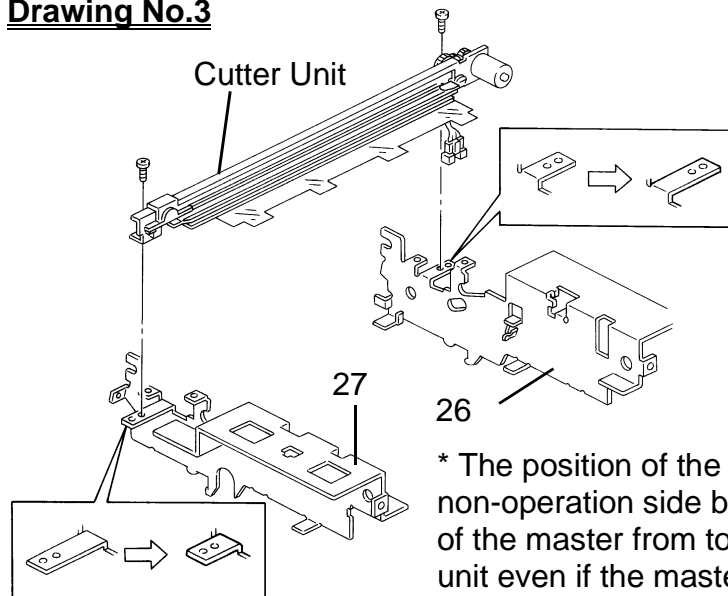
[illegible]

Drawing No. 1

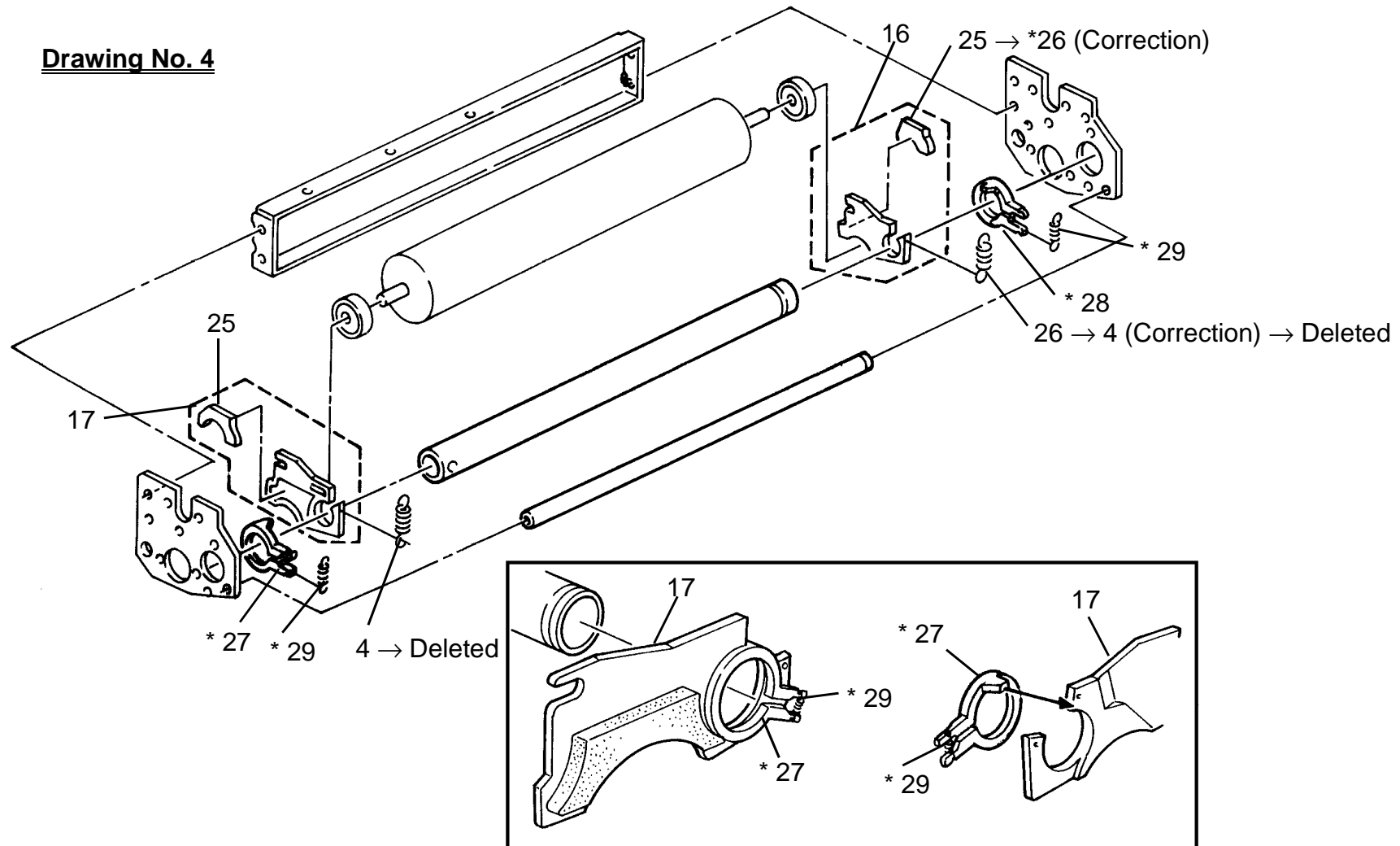


Drawing No.2

* Step 4 has been added to instruct the operator to rotate the master roll back slightly before setting the platen roller. This is to prevent creasing of the master.

Drawing No.3

* The position of the cutter unit has been shifted to the non-operation side by 3 mm. This is to prevent the edge of the master from touching the guide plate in the cutter unit even if the master is set at a skew.

Drawing No. 4

M. Iwasa, Manager
Technical Support Department

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
GES5303 REX1220 NSACP303	120/60	USA, CANADA	C217-12	
RICOH VT1730	120/60	USA, CANADA	C217-17	
GES5303 REX1220 NSACP303	230/50	EUROPE, ASIA	C217-22	
RICOH VT1730	230/50	EUROPE, ASIA	C217-27	
A.B. Dick 6120	120/60	USA, CANADA	C217-18	