

Model	CSO-α (USA only)	Date of Modification
Modified Article	PCB-FCU	Expected Date
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> Vender change To disable installing the memory card on CSO-α <input type="checkbox"/> To meet standartds () <input type="checkbox"/> Part standardization <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> To increase reliability <input checked="" type="checkbox"/> Other	Execution Date
		From 1st mass production of January '92

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H0816042E	H0816043	PCB-FCU	1-1	X/O		49	5

Control No. for Each Area

R.C.	001	Europe	--
Savin	001	HCS	--
NRG-USA	001	NRG	--
		Asia/LAM	--

Reference No. for this MB

QECR	
ECN No.	

H.Motojima

Assistant General Manager

FTS Sect. TS Dept.

E9200192

MODIIFICATION BULLETIN NO. CSO-002

1/1

ISSUED ON March 26th, 1992

Model		CSO						Date of Modification																							
Modified Article		Development unit						Expected Date																							
Reason for Modification		<div><div><input type="checkbox"/> Parts catalog correction<input type="checkbox"/> Vender change</div><div><input type="checkbox"/> To meet standartds ()<input type="checkbox"/> Part standardization</div><div><input type="checkbox"/> To facilitate assembly<input checked="" type="checkbox"/> To increase reliability<input type="checkbox"/> Other</div></div> <div><ul style="list-style-type: none">To protect the problem that the toner builds up on the grid-charge wire, the mylars will be attached on the grid plate (Eraser ass"y)To protect the problem that the toner builds up on the both sides of the OPU, the sponge pad will be attached under the shaft of the development roller as a cleaner.</div>						As soon as possible																							
								Execution Date																							
Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange-ability	Remarks	Parts Catalog																									
H0812030	H0812031	Development unit	1-1	X/O		Index No.	Page																								
H0812870L	H0812870M	Eraser Ass'y	1-1	X/O		1	7																								
						3	7																								
<div>Control No. for Each Area<div><table><tr><td>R.C.</td><td>2</td><td>Europe</td><td>1</td></tr><tr><td>Savin</td><td>2</td><td>HCS</td><td>1</td></tr><tr><td>NRG-USA</td><td>2</td><td>NRG</td><td>1</td></tr><tr><td></td><td></td><td>Asia/LAM</td><td>1</td></tr><tr><td></td><td></td><td></td><td></td></tr></table></div><div>Reference No. for this MB<div><table><tr><td>QECR</td><td></td></tr><tr><td>ECN No.</td><td></td></tr></table></div></div><div>H.Motojima Assistant General Manager FTS Sect. TS Dept.</div></div>								R.C.	2	Europe	1	Savin	2	HCS	1	NRG-USA	2	NRG	1			Asia/LAM	1					QECR		ECN No.	
R.C.	2	Europe	1																												
Savin	2	HCS	1																												
NRG-USA	2	NRG	1																												
		Asia/LAM	1																												
QECR																															
ECN No.																															

MODIFICATION BULLETIN NO. CSO-003ISSUED ON March 26th, 1992

Model	CSO	Date of Modification
Modified Article	Development unit	Exection Date
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input checked="" type="checkbox"/> To improve reliability <input type="checkbox"/> Other <ul style="list-style-type: none"> • To protect toner from spilling out from the development unit, when moving a machine. • The sponge for the duct will be added, and the sponge pads will be attached on the development unit (Refer to RTB CSO-006). 	1st production of March '92

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H0812031	H0812032	Development unit	1 → 1	X / O		1	7
H0812412E	H0812412F	Development unit cover	(1 → 1)			2	7
	H0812487	Sponge-duct	0 → 1				3
	H0812484	Sponge - Development Blade Holder	0 → 1		See attached sheet		

Control No. for Each Area

R.C.	3	Europe	2
Savin	3	HCS	2
NRG-USA	3	NRG	2
		Asia/LAM	2

Reference No. for this MB

QECR	
ECN No.	

M. Iwasa
Manager
2nd T.S.Sec. Int'l Marketing Group

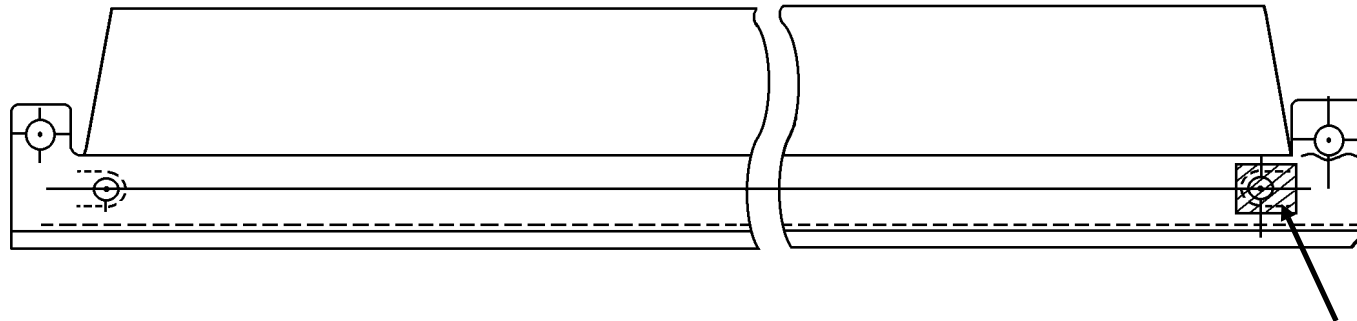
RE-ISSUED ON May 15, 1995

ISSUED ON March 26th, 1992

MODIFICATION BULLETIN NO. CSO-003

DETAILS OF MODIFICATION

Development Blade (H0812413)



H0812484: Sponge - Development Blade Holder

MODIFICATION BULLETIN NO. CSO - 004ISSUED ON May 12th, 1992

Model	CSO	Date of Modification
Modified Article	PCB - MBU	Expected Date
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input checked="" type="checkbox"/> To improve reliability <input type="checkbox"/> Other	Execution Date
		From the 1st mass production of March 1992.

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H0816026G	H0816026H	PCB - MBU : CSO : USA	1 - 1	X / O		48	1 - 5
H0817140E	H0817140F	IC - PROM : CSO : USA	(1 - 1)	X / O			
H0816025K	H0816025L	PCB - MBU : CSO : HCS	1 - 1	X / O		48	1 - 5
H0817131H	H0817131J	IC - PROM : CSO : HCS	(1 - 1)	X / O			
H0816024K	H0816024L	PCB - MBU : CSO : Europe	1 - 1	X / O		48	1 - 5
H0817130H	H0817130J	IC - PROM : CSO : Europe	(1 - 1)	X / O			
H0816027K	J0816027L	PCB - MBU : CSO : Asia	1 - 1	X / O		48	1 - 5
H0817132H	H0817132J	IC - PROM : CSO : Asia	(1 - 1)	X / O			

Reference No. for this MB

QECR	
ECN No.	

H.Motojima

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FTS Sect. TS Dept.

DETAILS OF MODIFICATION

To prevent from the problem that

1. The voice request might not function when stop key was pressed on the Rx terminal.
2. The multi copy could not be done, when the specified cassette was selected, and there was no paper in the lower cassette.
3. If there were a lot of files in the memory, the scanning speed might be slow.
4. When the machine is in DP(Dial Pulse) mode, the DI relay had gone ON/OFF when the volume adjustment was done by function 83.
5. The wording for European software has been changed, in accordance with European requirements.
6. To implement the request from Sweden, the NCU parameters have been changed, as follows.
 - BXDAT 1 (414D) = OFFH → 05H
 - BXDAT 2 (414E) = OFFH → 12H
 - BXDAT 3 (414F) = OFFH → 03H
 - BXDAT 4 (4150) = OFFH → 40H
 - BXDAT 5 (4151) = OFFH → 96H
 - BXDAT 6 (4152) = OFFH → 32H
 - BXDAT 7 (4153) = OFFH → 96H
 - BXDAT 8 (4154) = OFFH → 03H
7. To meet the Australian PTT standards, the number of redials and NCU parameter have been changed.
 - Number of redials + 4 → 2 times
 - NCU parameter
 - No. 11 (418B) = 066H → 068H
 - No. 12 (418C) = 034H → 032H

MODIFICATION BULLETIN NO. CSO - 0-05ISSUED ON June 1st, 1992

Model	CSO (Telautograph)					Date of Modification					
Modified Article	PCB - MBU, FCU					Expected Date					
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability <input checked="" type="checkbox"/> Other										
	To enable the mail box function, the FCU and the MBU have been changed as a combination.					Execution Date					
						From the 1st mass production of April.					
Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog					
						Index No.	Page				
H0816026H	H0816039	PCB - MBU : CSO : USA	1 - 1	X / X		48	15				
H0817140F	H0817139	IC - PROM : CSO : USA	(1 - 1)	X / X							
H0816043B	H0816045	PCB - FCU : CSO : L40	1 - 1	X / O		49	5				
H0816042D	H0816044	PCB - FCU CSO : L41	1 - 1	X / O		49	5				
14010611		Diode - 1S1588	(9 - 11)								
	14080936	DTM receiver - MT3275AE	(0 - 1)								
	15030451	Oscillator - AT - 51 4.194304MHZ	(0 - 1)								
	16061131	Capacitor -10PF + 5%	(0 - 2)								
16061140		Capacitor -0.1MF + 80 -20%	(51 - 52)								
(Telaught only)											
Reference No. for this MB											
<table border="1"> <tr> <td>QECR</td> <td></td> </tr> <tr> <td>ECN No.</td> <td></td> </tr> </table>								QECR		ECN No.	
QECR											
ECN No.											
<div style="text-align: right;"> H.Motojima Assistant General Manager FTS Sect. TS Dept. </div>											

MODIFICATION BULLETIN NO. CSO-006ISSUED ON June 2nd, 1992

Model	CSO (Europe only)	Date of Modification
Modified Article	Magnet - Cassette Cover	Expected Date
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input checked="" type="checkbox"/> To improve reliability <input type="checkbox"/> Other	Execution Date
		Effective from 1st production of Feb '92.
The magnet power has been increased from 1.2 kg to 3.5 kg. This is because, the old cassette cover could not slide in the machine easily with the cassette.		

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H0813365	H0813396	Magnet - Cassette Cover: Europe	1 - 1	O / O		5	1-13

Europe only.

Reference No. for this MB

QECR	
ECN No.	

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FTS Sect. TS Dept.

MODIFICATION BULLETIN NO. CSO - 007Reissued on Sep. 7th, 1992

Model	CSO					Date of Modification	
Modified Article	PCB - MBU					Expected Date	
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input checked="" type="checkbox"/> To improve reliability <input type="checkbox"/> Other					From the 1st mass production of May 1992.	
						Execution Date	
		From the 1st mass production of June. (for Europe version).					

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H0816026H	H0816026J	PCB - MBU : CSO : USA	1 - 1	X / O		48	1 - 5
H0817140F	H0817140G	IC - PROM : CSO : USA	(1 - 1)	X / O			
H0816025L	H0816025M	PCB - MBU : CSO : HCS	1 - 1	X / O		48	1 - 5
H0817131J	H0817131K	IC - PROM : CSO : HCS	(1 - 1)	X / O			
H0816024L	H0816024M	PCB - MBU : CSO : Europe	1 - 1	X / O		48	1 - 5
H0817130J	H0817130K	IC - PROM : CSO : Europe	(1 - 1)	X / O			
H0816027L	J0816027M	PCB - MBU : CSO : Asia	1 - 1	X / O		48	1 - 5
H0817132J	H0817132K	IC - PROM : CSO : Asia	(1 - 1)	X / O			
H0816039	H0816039A	PCB - MBU: CSO: Tel	1 - 1	X / O		48	1 - 5
H0817139	H0817139A	IC - PROM: CSO: Tel	(1 - 1)	X / O			

Reference No. for this MB	
QECR	
ECN No.	

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 Assistant General Manager
 FTS Sect. TS Dept.

REASONS FOR MODIFICATION

1. Dialing signal errors in On Hook Dial mode, and the machine could not hang up.
2. If T1 is set to 100 or over using the Dedicated Transmission Parameters, parameters for other fax numbers could not be set.
3. Messages with ECM frame size set to 64 bytes could not be received.
4. The Part number of the ROM should be listed on the System Parameter list.
5. Change in Spanish and Swedish wording
6. The machine could not be operated when 298 destinations have been input using memory transmission or polling reception (or both).
7. To meet the Switzerland PTT standards (Switzerland OMA requirements).
8. To meet the Swedish PTT standards.
9. The OPC counter should be listed on the User Parameter List.
10. The Initial level (service or user) of CSI programming and PD/DTMF selection has been changed. (Europe only)
11. The amount of remaining memory (address 4055) has been changed from 0 byte to 24K bytes. (USA and Asia only)
12. Bit switches and RTI could not be changed by RDS.
13. The machine printed the personal codes on the reports, even if the restricted access is used.

MODIFICATION BULLETIN NO. CSO-008ISSUED ON July 9th, 1992

Model	CSO	Date of Modification
Modified Article	Operator's Manual and Facsimile Features Manual	Expected Date
Reason for Modification	<input checked="" type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	
		Execution Date

The above manuals included in the language kit have been registered as service parts.

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
	H0814516	Operator's Manual - FAX 3000L : GB	0 → 1			*	1 - 1
	H0814515	Operator's Manual - FAX 3000L : D	0 → 1			*	1 - 1
	H0814517	Operator's Manual - FAX 3000L : I	0 → 1			*	1 - 1
	H0814519	Operator's Manual - FAX 3000L : E	0 → 1			*	1 - 1
	H0814520	Operator's Manual - FAX 3000L : S	0 → 1			*	1 - 1
	H0814518	Operator's Manual - FAX 3000L : F	0 → 1			*	1 - 1
	H0824523	Operator's Manual - i-3660 : GB	0 → 1			*	1 - 1
	H0824522	Operator's Manual - i-3660 : D	0 → 1			*	1 - 1
	H0824524	Operator's Manual - i-3660 : I	0 → 1			*	1 - 1
	H0814526	Operator's Manual - i-3660 : E	0 → 1			*	1 - 1

Reference No. for this MB

QECR	--
ECN No.	--

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FTS Sect. TS Dept.

MODIFICATION BULLETIN NO. CSO-008ISSUED ON July 9th, 1992

Old Parts No.	New Parts No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
	H0814527	Operator's Manual - i-3660 : S	0 → 1			*	1 - 1
	H0814525	Operator's Manual - i-3660 : F	0 → 1			*	1 - 1
	H0814529	Operator's Manual - NRG 9660 : GB	0 → 1			*	1 - 1
	H0814528	Operator's Manual - NRG 9660 : D	0 → 1			*	1 - 1
	H0814530	Operator's Manual - NRG 9660 : I	0 → 1			*	1 - 1
	H0814532	Operator's Manual - NRG 9660 : E	0 → 1			*	1 - 1
	H0814533	Operator's Manual - NRG 9660 : S	0 → 1			*	1 - 1
	H0814531	Operator's Manual - NRG 9660 : F	0 → 1			*	1 - 1
	H0844320	Facsimile Features Manual - GB	0 → 1			*	1 - 1
	H0844301	Facsimile Features Manual - D	0 → 1			*	1 - 1
	H0844302	Facsimile Features Manual - I	0 → 1			*	1 - 1
	H0844303	Facsimile Features Manual - E	0 → 1			*	1 - 1
	H0844304	Facsimile Features Manual - S	0 → 1			*	1 - 1
	H0844306	Facsimile Features Manual - F	0 → 1			*	1 - 1

Note : GB English
D German
I Italian
E Spanish
S Swedish
F French

MODIFICATION BULLETIN NO. CSO-009

ISSUED ON October 1st, 1992

Model	CSO (Telauto only)					Date of Modification	
Modified Article	Operator's Manual					Expected Date	
Reason for Modification	<div><input type="checkbox"/> Parts catalog correction</div> <div><input type="checkbox"/> Vender change</div> <div><input type="checkbox"/> To meet standards ()</div> <div><input type="checkbox"/> Part standardization</div> <div><input type="checkbox"/> To facilitate assembly</div> <div><input type="checkbox"/> To improve reliability</div> <div><input checked="" type="checkbox"/> Other</div> <div>We have changed the operators manuals, to add the operation for the mail box function.</div>						
						Execution Date	
						From the 1st production of April, '92.	

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H0814672	H0814680	Operator's Manual	1 - 1	X / X		*	3

Reference No. for this MB

QECR	
ECN No.	

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FTS Sect. TS Dept.

MODIFICATION BULLETIN NO. CSO-010ISSUED ON October 8th, 1992

Model	CSO(Europe, Asia)	Date of Modification
Modified Article	PCB - NCU	Expected Date
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input checked="" type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	Execution Date
		<ul style="list-style-type: none"> • From June Production of '92. (Europe) • From Mar Production of '92. (Asia)

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H081 6040C	H081 6041	PCB - NCU: Europe (Asia only)	1 - 1	X / O		9	9
	16114101		(0 - 1)				
	H081 6040D	PCB - NCU: Europe (Europe only)	1 - 1	X / O		9	9
	1630 1221	Registor - 220Ω ± 5% 1/4W	(0 - 1)				
1630 1821		Registor - 820Ω ± 5% 1/4W	(1 - 0)				
	1630 3100	Registor - 10Ω ± 5% 1/10W	(0 - 1)				
1630 3181		Registor - 180Ω ± 5% 1/10W	(1 - 0)				

Reference No. for this MB

QECR	--
ECN No.	--

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MODIFICATION BULLETIN NO. CSO-011ISSUED ON October 8th, 1992.

Model	CSO					Date of Modification	
Modified Article	Laser Unit					Expected Date	
Reason for Modification	<div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> Parts catalog correction <input type="checkbox"/> Vender change </div> <div> <input type="checkbox"/> To meet standards () <input type="checkbox"/> Part standardization </div> <div> <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other </div> </div>						
						Execution Date	
						From the 1st mass-production	

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H081 5533	H081 5512	Harness - LDDR	1 - 0			67	11
H081 2178		Seal - Fusing Guide Plate	1 - 0			113	7
H081 2551	H081 2560	Base - Laser Unit	1 - 1			63	11

Reference No. for this MB

QECR	--
ECN No.	--

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MODIFICATION BULLETIN NO. CSO-012ISSUED ON October 8th, 1992.

Model	CSO (USA - 115V only)	Date of Modification
Modified Article	Holder - Cylindrical Lens Ass'y	Expected Date
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input checked="" type="checkbox"/> To meet standards (UL) <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	Execution Date
		From the 1st production of April '92.

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H081 2510	H081 2511	Holder - Cylindrical Lens Ass'y	1 - 1	X / O		53	11

Reference No. for this MB

QECR	--
ECN No.	--

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MODIFICATION BULLETIN NO. CSO-013ISSUED ON October 8th, 1992.

Model	FAX 3000L/3200L (USA only)	Date of Modification
Modified Article	Operator's Manual	Expected Date
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input checked="" type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	Execution Date
		After the old parts have become out of stock.

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H081 4661	H081 4663	Operator's Manual	1 - 1	O / O		*	3

Reference No. for this MB

QECR	
ECN No.	

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MODIFICATION BULLETIN NO. CSO-014

ISSUED ON October 8th, 1992.

Model		CSO All models				Date of Modification					
Modified Article						Expected Date					
Reason for Modification		<div><input type="checkbox"/> Parts catalog correction</div> <div><input type="checkbox"/> Vender change</div> <div><input type="checkbox"/> To meet standards ()</div> <div><input checked="" type="checkbox"/> Part standardization</div> <div><input type="checkbox"/> To facilitate assembly</div> <div><input type="checkbox"/> To improve reliability</div> <div><input type="checkbox"/> Other</div>									
						Execution Date					
						After the old parts have become out of stock.					
Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange-ability	Remarks	Parts Catalog					
						Index No.	Page				
H081 3520	H081 3521	Film - Regist Guide Plate - Side	1 - 1	O / O		18	13				
<div>Reference No. for this MB</div> <div><table><tr><td>QECR</td><td>--</td></tr><tr><td>ECN No.</td><td>--</td></tr></table></div> <div>H.Motojima</div> <div>Assistant General Manager</div> <div>FTS Sect. TS Dept.</div>								QECR	--	ECN No.	--
QECR	--										
ECN No.	--										

MODIFICATION BULLETIN NO. CSO-015

ISSUED ON October 8th, 1992.

Model	CSO (NRG - USA only)					Date of Modification	
Modified Article	Operator's Manual					Expected Date	
Reason for Modification	<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Parts catalog correction <input type="checkbox"/> Vender change </div> <div> <input type="checkbox"/> To meet standards () <input type="checkbox"/> Part standardization </div> <div> <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> To improve reliability <input checked="" type="checkbox"/> Other </div> </div> <p>We have added the cover sheet for SAVIN Canada to the manual.</p>						
						Execution Date	
						From the 1st production of July.	

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H081 4684A	H081 4646	Operator's Manual	1 - 1	X / O		*	3

Reference No. for this MB

QECR	--
ECN No.	--

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MODIFICATION BULLETIN NO. CSO-016ISSUED ON October 8th, 1992

Model	CSO (Europe only)					Date of Modification					
Modified Article	Quick Dial Sheet (Accessory of language kit)					Expected Date					
Reason for Modification	<input checked="" type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other										
	All language versions of the Quick Dial Sheet have been registered as service parts. From now on, this sheet will be supplied separately, and you can order it separately from the whole language kit. Note that this part must be ordered in units of 10 pieces. (eg. 10pcs. 20pcs. 30pcs...)					Execution Date					
Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog					
						Index No.	Page				
	H081 4258	Quick Dial Sheet - GB: RICOH	0 → 1			*	1 - 1				
	H081 1872	Quick Dial Sheet - D: RICOH	0 → 1			*	1 - 1				
	H081 1874	Quick Dial Sheet - I: RICOH	0 → 1			*	1 - 1				
	H081 1875	Quick Dial Sheet - F: RICOH	0 → 1			*	1 - 1				
	H081 1876	Quick Dial Sheet - E: RICOH	0 → 1			*	1 - 1				
	H081 1877	Quick Dial Sheet - S: RICOH	0 → 1			*	1 - 1				
	H081 1878	Quick Dial Sheet - D: infotec	0 → 1			*	1 - 1				
	H081 1879	Quick Dial Sheet - GB: infotec	0 → 1			*	1 - 1				
	H081 1880	Quick Dial Sheet - I: infotec	0 → 1			*	1 - 1				
	H081 1881	Quick Dial Sheet - F: infotec	0 → 1			*	1 - 1				
<p>Reference No. for this MB</p> <table border="1"> <tr> <td>QECR</td> <td>--</td> </tr> <tr> <td>ECN No.</td> <td>--</td> </tr> </table> <p style="text-align: right;">H.Motojima Assistant General Manager FTS Sect. TS Dept.</p>								QECR	--	ECN No.	--
QECR	--										
ECN No.	--										

MODIFICATION BULLETIN NO. CSO-016

ISSUED ON October 8th, 1992

[illegible]

MODIFICATION BULLETIN NO. CSO-017ISSUED ON October 9th, 1992.

Model	CSO All models	Date of Modification
Modified Article	Shutter Guide	Expected Date
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input checked="" type="checkbox"/> To improve reliability <input type="checkbox"/> Other	Execution Date
	<p>In order to improve the 50 sheets ADF capability against USA 20lb papers, we have changed the shutter Guide.</p> <p>Also, the index nos of H0811129/H0811160 were incorrect.</p> <p>H0811129: Index No. 5-37 → 5-38</p> <p>H0811160: Index No. 5-38 → 5-37</p>	<ul style="list-style-type: none"> • From the 1st production of Jun '92 (Except the following models.) • H081-22 6112260226~ • H081-28 L4020602351~ • H081-29 L4120602051~ • H081-59 6022260231~

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H081 1129	H081 1167	Shutter Guide	1 - 1	O / O		38	5
H081 1160		(No change)				37	5

Reference No. for this MB

QECR	--
ECN No.	--

H.Motojima

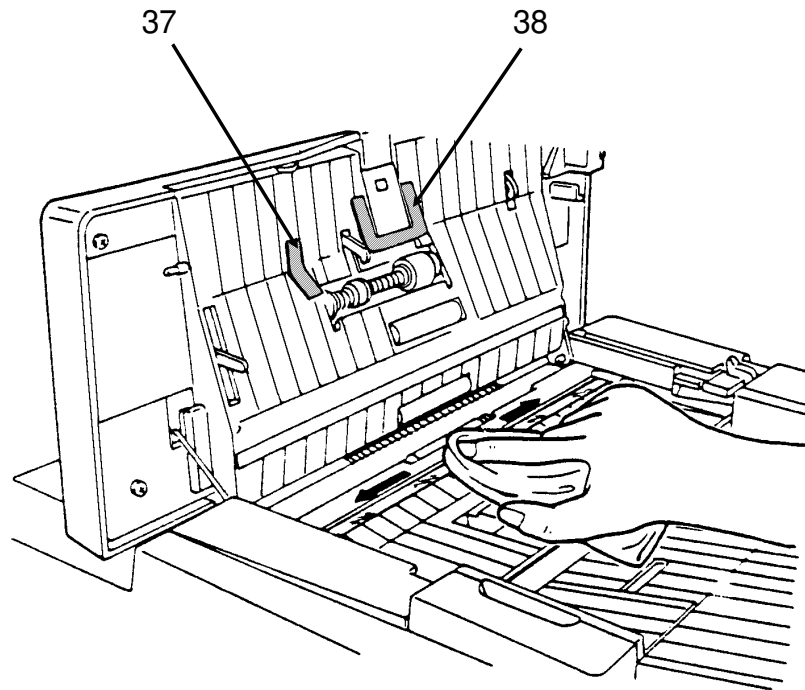
Assistant General Manager

FTS Sect. TS Dept.

MODIFICATION BULLETIN NO. CSO-017

ISSUED ON October 9th, 1992.

DETAILS OF MODIFICATION



MODIFICATION BULLETIN NO. CSO-018ISSUED ON October 20th, 1992

Model	CSO All models	Date of Modification
Modified Article	Mirror Holders	Execution Date
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input checked="" type="checkbox"/> To improve reliability <input type="checkbox"/> Other The shape of the 2nd and 3rd Mirror Holders have been changed to improve reliability.	From the 1st mass production of June, 1992: H081 - 20, 23, 24, 26, 27, 30, 40, 51 H081 - 22 6112260226 - 28 L4020602351 - 59 6022260231 From the 1st mass production of July, 1992: Others

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange-ability	Remarks	Parts Catalog	
						Index No.	Page
H081 1056B	H081 1194	2nd Mirror Holder - Left	1 - 1	X / O		53	1 - 5
H081 1057B	H081 1195	2nd Mirror Holder - Right	1 - 1	X / O		62	1 - 5
H081 1058B	H081 1196	3rd Mirror Holder - Left	1 - 1	X / O		55	1 - 5
H081 1059C	H081 1197	3rd Mirror Holder - Right	1 - 1	X / O		64	1 - 5

Reference No. for this MB

QECR	
ECN No.	92060004

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FTS Sect. TS Dept.

MODIFICATION BULLETIN NO. CSO-019ISSUED ON October 20, 1992

Model	CSO	Date of Modification
Modified Article	PCB - FCU	Execution Date
Reason for Modification	<div> <input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input checked="" type="checkbox"/> To facilitate assembly </div> <div> <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability </div> <div> <input type="checkbox"/> Other </div> <p>The FIL2 filter (16027006) is no use, therefore it has been deleted.</p>	Please see the attachment

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H081 6022J	H081 6022K	PCB - FCU: CSO: Europe	1 - 1	X / O		49	1 - 5
H081 6042E	H081 6042F	PCB - FCU: CSO: USA β	1 - 1	X / O		49	1 - 5
H081 6043C	H081 6043D	PCB - FCU: CSO: USA α	1 - 1	X / O		49	1 - 5
H081 6044A	H081 6044B	PCB - FCU: CSO: Tel β	1 - 1	X / O		49	1 - 5
H081 6045A	H081 6045B	PCB - FCU: CSO: Tel α	1 - 1	X / O		49	1 - 5
16027006		FIL2 Filter	(1 - 0)	--	For all the above parts.	--	--
10020307		Jumper Wire	(0 - 1)	--	For all the above parts.	--	--

Reference No. for this MB

QECR	
ECN No.	92060030

H.Motojima

Assistant General Manager

FTS Sect. TS Dept.

MODIFICATION BULLETIN NO. CSO-019ISSUED ON October 20, 1992**Execution Date**

From the 1st mass production of July, 1992:

H081 - 21, 22, 26, 30, 40

H081 - 28 L4020702938
- 29 L4120702528
- 51 A0620700016
- 59 6022270349
- 60 6012272538

From the 1st mass production of June, 1992:

H081 - 24, 27

H081 - 20 R6720600997
- 23 R7320601732

MODIFICATION BULLETIN NO. CSO-020ISSUED ON October 20th, 1992

Model	CSO						Date of Modification				
Modified Article	PCB - FCU						Execution Date				
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input checked="" type="checkbox"/> To improve reliability <input type="checkbox"/> Other To improve reliability of IC15 and 16 (DRAM H0817104), one diode (14010611) and one capacitor (16041673) on the FCU have been changed.						Please see the attachment				
Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog					
						Index No.	Page				
H081 6022K	H081 6022L	PCB - FCU: CSO: Europe	1 - 1	X / O		49	1 - 5				
H081 6042F	H081 6042G	PCB - FCU: CSO: USA β	1 - 1	X / O		49	1 - 5				
H081 6043D	H081 6043E	PCB - FCU: CSO: USA α	1 - 1	X / O		49	1 - 5				
H081 6044B	H081 6044C	PCB - FCU: CSO: Tel β	1 - 1	X / O		49	1 - 5				
H081 6045B	H081 6045C	PCB - FCU: CSO: Tel α	1 - 1	X / O		49	1 - 5				
14010611		Diode	(9 - 8)	--	For H0816022, 6042, 6043	--	--				
14021069		Diode	(0 - 1)	--	For H0816022, 6042, 6043	--	--				
16041673		Capacitor	(8 - 7)	--	For H0816022, 6042, 6043	--	--				
16041820		Capacitor	(0 - 1)	--	For H0816022, 6042, 6043	--	--				
<p style="text-align: center;">Reference No. for this MB</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>QECR</td> <td></td> </tr> <tr> <td>ECN No.</td> <td>92060035</td> </tr> </table> <div style="text-align: right; margin-top: 20px;"> H.Motojima Assistant General Manager FTS Sect. TS Dept. </div>								QECR		ECN No.	92060035
QECR											
ECN No.	92060035										

MODIFICATION BULLETIN NO. CSO-020

ISSUED ON October 20th, 1992

[illegible]

MODIFICATION BULLETIN NO. CSO-020

ISSUED ON October 20th, 1992

Execution Date

From the 1st mass production of July, 1992:

H081 - 24, 30

H081 - 26 S2320700112

- 28 L4020702944

- 29 L4120702528

- 40 U1720700848

- 60 6012272538

From the 1st mass production of August, 1992:

Others.

MODIFICATION BULLETIN NO. CSO-021ISSUED ON October 20th, 1992

Model	CSO All models	Date of Modification
Modified Article	PCB - MBU	Execution Date
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input checked="" type="checkbox"/> To improve reliability <input type="checkbox"/> Other Please see the attachment.	From the 1st mass production of July, 1992.

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange-ability	Remarks	Parts Catalog	
						Index No.	Page
H081 6026J	H081 6026K	PCB - MBU: CSO: USA	1 - 1	X / O		48	1 - 5
H081 7140G	H081 7140H	IC - PROM: CSO: USA	1 - 1	X / O	(IC1)	--	--
H081 6039A	H081 6039B	PCB - MBU: CSO: Tel	1 - 1	X / O		48	1 - 5
H081 7139A	H081 7139B	IC - PROM: CSO: Tel	1 - 1	X / O	(IC1)	--	--
H081 6025M	H081 6025N	PCB - MBU: CSO: HCS	1 - 1	X / O		48	1 - 5
H081 7131K	H081 7131L	IC - PROM: CSO: HCS	1 - 1	X / O	(IC1)	--	--
H081 6024M	H081 6024N	PCB - MBU: CSO: Europe	1 - 1	X / O		48	1 - 5
H081 7130K	H081 7130L	IC - PROM: CSO: Europe	1 - 1	X / O	(IC1)	--	--
H081 6027M	H081 6027N	PCB - MBU: CSO: Asia	1 - 1	X / O		48	1 - 5
H081 7132K	H081 7132L	IC - PROM: CSO: Asia	1 - 1	X / O	(IC1)	--	--

Reference No. for this MB

QECR	
ECN No.	92060069

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FTS Sect. TS Dept.

MODIFICATION BULLETIN NO. CSO-021

ISSUED ON October 20th, 1992

[illegible]

DETAILS OF MODIFICATION

1. When the printer fails and stops, and there have been more than 45 communications some older communications are listed on the TCR.
2. To prevent defective PSRAM access, the software has been changed, as follows.
 - When the machine is reset, the software jumps to 8080H.
3. To meet the Swedish PTT standards (Europe version only)
4. In handset mode and when using immediate transmission, a Transmission Result Report will be printed out.
5. With memory transmission, if the other party picks up the handset and hangs it up after the CNG signal is sent out, "(2) BUSY" is indicated on reports.
6. To meet the Norwegian PTT standards, ringing detection time has been changed. (Europe version only)

MODIFICATION BULLETIN NO. CSO-022

ISSUED ON December 10, 1992

Model	CSO	Date of Modification
Modified Article	Paper Cassette	Execution Date
Reason for Modification	<div> <input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input checked="" type="checkbox"/> To facilitate assembly </div> <div> <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability </div> <div> <input type="checkbox"/> Other </div> <p>The Cassette Cover Fixing Plate (H081 3332) is no use, therefore it has been deleted.</p>	From the 1st production of October, 1992.

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange-ability	Remarks	Parts Catalog	
						Index No.	Page
H081 3332		Cassette Cover Fixing Plate	1 - O			14	1 - 3

Reference No. for this MB

QECR	
ECN No.	92070103

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MODIFICATION BULLETIN NO. CSO-022

ISSUED ON December 10, 1992

[illegible]

MODIFICATION BULLETIN NO. CSO-023ISSUED ON December 10, 1992

Model	CSO	Date of Modification
Modified Article	PCB-FCU	Execution Date
Reason for Modification	<div> <input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly </div> <div> <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability </div> <div> <input checked="" type="checkbox"/> Other </div> <p>The modem capture range has been widened. This modification is a countermeasure to reduce reception errors when communicating with remote terminal with incorrect signal ratio.</p>	From the 1st production of October, 1992.

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H081 6022L	H081 6122	PCB - FCU: Europe	1 - 1	X / O		49	1 - 5
H081 6042G	H081 6142	PCB - FCU: US β	1 - 1	X / O		49	1 - 5
H081 6043E	H081 6143	PCB - FCU: US α	1 - 1	X / O		49	1 - 5
H081 6044C	H081 6144	PCB - FCU: Tel β	1 - 1	X / O		49	1 - 5
H081 6045C	H081 6145	PCB - FCU: Tel α	1 - 1	X / O		49	1 - 5
H084 7171	H081 7186	IC - AFSP: RF5A48 (IC17)	1 - 1	X / O	For all the above FCUs.	--	--

Reference No. for this MB

QECR	
ECN No.	92080076

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FTS Sect. TS Dept.

MODIFICATION BULLETIN NO. CSO-024

ISSUED ON December 25th, 1992

Model	CSO	Date of Modification
Modified Article	PCB - FCU	Execution Date
Reason for Modification	<div> <input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input checked="" type="checkbox"/> To facilitate assembly </div> <div> <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability </div> <div> <input type="checkbox"/> Other </div> <p>PWBs have been changed.</p>	After the old parts have become out of stock.

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange-ability	Remarks	Parts Catalog	
						Index No.	Page
H081 6122	H081 6122A	PCB - FCU: Europe	1 - 1	O / O		49	1 - 5
H081 6142	H081 6142A	PCB - FCU: US β	1 - 1	O / O		49	1 - 5
H081 6143	H081 6143A	PCB - FCU: US α	1 - 1	O / O		49	1 - 5
H081 6144	H081 6144A	PCB - FCU: Tel β	1 - 1	O / O		49	1 - 5
H081 6145	H081 6145A	PCB - FCU: Tel α	1 - 1	O / O		49	1 - 5
1407 3015	H081 7189	IC - SRAM: CX 5864 BM - 10L	(2 - 2)		For all the above FCUs.		
1101 0423		Terminal - SDX - 5548 - 03A	(1 - 0)				
1102 3127		Receptacle - 2P	(1 - 0)				

Reference No. for this MB

QECR	
ECN No.	92090046

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Assistant General Manager

FTS Sect. TS Dept.

MODIFICATION BULLETIN NO. CSO-024ISSUED ON December 25th, 1992

Old Parts No.	New Parts No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
1102 4201		Connector - 2 Pin	(2 - 1)				
1102 4204		Connector - 5 Pin	(1 - 2)				
1401 0611		Diode - 1S1588	(8 - 9)				
1402 0959		Diode - 1S2076A	(2 - 1)				
1402 1069		Diode	(1 - 0)				
1407 2948		IC - CMOS: TC7S04F	(1 - 2)				
	1407 3245	IC - CMOS: TC74HC32AF	(0 - 1)				
1604 1673		Capacitor - 100 μ \pm 20% 16V	(7 - 8)				
1604 1820		Capacitor - 33 μ \pm 20% 16V	(1 - 0)				
1606 1139		Capacitor - 0.01 μ \pm 20% 50V	(8 - 9)				
1630 3273		Resistor - 27k Ω \pm 5% 1/10W	(2 - 3)				
1633 0000		Jumper wire - 0 Ω \pm 1% 1/10W	(31 - 37)				
1630 3151		Resistor - 150 Ω \pm 5% 1/10W	(38 - 55)		Only for H081 6142A, 6149A		

MODIFICATION BULLETIN NO. CSO-25

ISSUED ON December 25th, 1992

Model		CSO Asia version only - 220V				Date of Modification	
Modified Article		PCB - FCU				Execution Date	
Reason for Modification		<div><div><input type="checkbox"/> Parts catalog correction</div><div><input type="checkbox"/> Vender change</div></div> <div><div><input type="checkbox"/> To meet standards ()</div><div><input type="checkbox"/> Part standardization</div></div> <div><div><input type="checkbox"/> To facilitate assembly</div><div><input type="checkbox"/> To improve reliability</div><div><input checked="" type="checkbox"/> Other</div></div>					

When printing B4 document, the CSO could not print the image correctly.

MODIFICATION BULLETIN NO. CSO-026ISSUED ON January 6th, 1993

Model	CSO	Date of Modification
Modified Article	PCB - MBU	Execution Date
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability <input checked="" type="checkbox"/> Other The second source have been registered.	After the old parts have become out of stock.

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H0816024N	H0816024P	PCB - MBU: CSO: Europe	1 - 1	O / O		48	1 - 5
H0816025N	H0816025P	PCB - MBU: CSO: HCS	1 - 1	O / O		48	1 - 5
H0816026K	H0816026L	PCB - MBU: CSO: USA	1 - 1	O / O		48	1 - 5
H0816027N	H0816027P	PCB - MBU: CSO: Asia	1 - 1	O / O		48	1 - 5
H0816029C	H0816029D	PCB - MBU: CSO: France	1 - 1	O / O		48	1 - 5
H0816039B	H0816039C	PCB - MBU: CSO: Tel	1 - 1	O / O		48	1 - 5
1407 2422	H081 7187	IC - PSRAM: 256K (IC3)	(1 - 1)		For all the above MBUs.		
1407 2257	H081 7188	IC - CMOS SRAM: 256K(IC2)	(1 - 1)		For all the above MBUs.		

Reference No. for this MB

QECR	
ECN No.	92090024

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FTS Sect. TS Dept.

MODIFICATION BULLETIN NO. CSO-027ISSUED ON January 6th, 1993

Model	CSO All models					Date of Modification	
Modified Article	PCB-MBU					Execution Date	
Reason for Modification	<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Parts catalog correction <input type="checkbox"/> Vender change </div> <div> <input type="checkbox"/> To meet standards () <input type="checkbox"/> Part standardization </div> <div> <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> To improve reliability <input checked="" type="checkbox"/> Other </div> </div> <p>Please see the attachment.</p>					From Nov., of '92 productions.	

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H0816026L	H0816026M	PCB-MBU: CSO: USA	1 - 1	X / O		48	1 - 5
H0817140H	H0817140J	IC-PROM: CSO: USA	(1 - 1)				
H0816039C	H0816039D	PCB-MBU: CSO: TEL	1 - 1	X / O		48	1 - 5
H0817139B	H0817139C	IC-PROM: CSO: TEL	(1 - 1)				
H0816025P	H0816025Q	PCB-MBU: CSO: HCS	1 - 1	X / O		48	1 - 5
H0817131L	H0817131M	IC-PROM: CSO: HCS	(1 - 1)				
H0816024P	H0816024Q	PCB-MBU: CSO: EUR	1 - 1	X / O		48	1 - 5
H0817130L	H0817130M	IC-PROM: CSO: EUR	(1 - 1)				
H0816027P	H0816027Q	PCB-MBU: CSO: ASIA	1 - 1	X / O		48	1 - 5
H0817132L	H0817132M	IC-PROM: CSO: ASIA	(1 - 1)				

Reference No. for this MB

QECR	
ECN No.	

H.Motojima
Assistant General Manager
FTS Sect. TS Dept.

MODIFICATION BULLETIN NO. CSO-027

ISSUED ON January 6th, 1993

[illegible]

DETAILS OF MODIFICATION

1. When placing the documents in the ADF, the ON Hook dial was available even if the bit 3 of service switch 09 was '1' (ON Hook - disabled).

2. Default value has been changed (Israel country code only).

- Bit sw 03 bit 0 → 1
- Address 4049, bit 3 → 1

3. To meet the PTT standards (Austria), the following addresses have been changed.

4143 = 28H	4183 = 50H
4178 = 64H	4187 = 09H
417D = 0EH	4190 = 50H
417E = 0AH	4191 = 50H
417F = 01H	4192 = 07H
4182 = 14H	

4. Spelling mistake (French) has been corrected.

5. We have deleted the SCAN, PRINT Counters on the TCR.

6. Auto document file will be printed on the file list.

MODIFICATION BULLETIN NO. CSO-028ISSUED ON March 8th, 1993.

Model	All models	Date of Modification
Modified Article	Facsimile Features Manual	Expected Date
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input checked="" type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	After the old parts have become out of stock.
	The manual has been standardized so that it can be used in common with the CFO features manual.	Execution Date

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H084 4320	H082 4707	Facsimile Features Manual - GB	1 → 1	O / O	GB...English	--	--
H084 4301	H082 4706	Facsimile Features Manual - D	1 → 1	O / O	D...German	--	--
H084 4302	H082 4708	Facsimile Features Manual - I	1 → 1	O / O	I...Italian	--	--
H084 4303	H082 4710	Facsimile Features Manual - E	1 → 1	O / O	E...Spanish	--	--
H084 4304	H082 4711	Facsimile Features Manual - S	1 → 1	O / O	S...Swedish	--	--
H084 4306	H082 4709	Facsimile Features Manual - F	1 → 1	O / O	F...French	--	--

Reference No. for this MB

QECR	
ECN No.	92080060

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FTS Sect. TS Dept.

MODIFICATION BULLETIN NO. CSO-029ISSUED ON March, 9th, 1993

Model	All models	Date of Modification
Modified Article	Copy Tray	Expected Date
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input checked="" type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	After the old parts have become out of stock.
	The tray has been standardized so that it can be used in common with the Copy Tray of the Japanese market.	Execution Date

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H081 4179	H081 4211	Copy Tray Ass'y	1 → 1	O / O		41	1 - 3
H081 4120	H081 4212	Copy Tray	1 → 1	O / O		39	1 - 3

Reference No. for this MB

QECR	
ECN No.	92070002

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FTS Sect. TS Dept.

MODIFICATION BULLETIN NO. CSO-030ISSUED ON March, 9th, 1993

Model	All models	Date of Modification
Modified Article	Paper Exit Cover	Expected Date
Reason for Modification	<div><div><div><input type="checkbox"/> Parts catalog correction</div><div><input type="checkbox"/> Vender change</div></div><div><div><input type="checkbox"/> To meet standards ()</div><div><input type="checkbox"/> Part standardization</div></div><div><div><input checked="" type="checkbox"/> To facilitate assembly</div><div><input type="checkbox"/> To improve reliability</div><div><input type="checkbox"/> Other</div></div></div> <p>In order to facilitate assembly, the spring plate (H0812157) has been separated from the paper exit cover (H0812156). (At present, the spring plate is attached to the paper exit cover)</p>	From Oct., of '92 production
		Execution Date

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H081 2156	H0812156E	Paper Exit Cover	1 → 1	O / O		35	1 - 3
	H0812157A	Spring Plate	O → 1	O / O		44	1 - 3

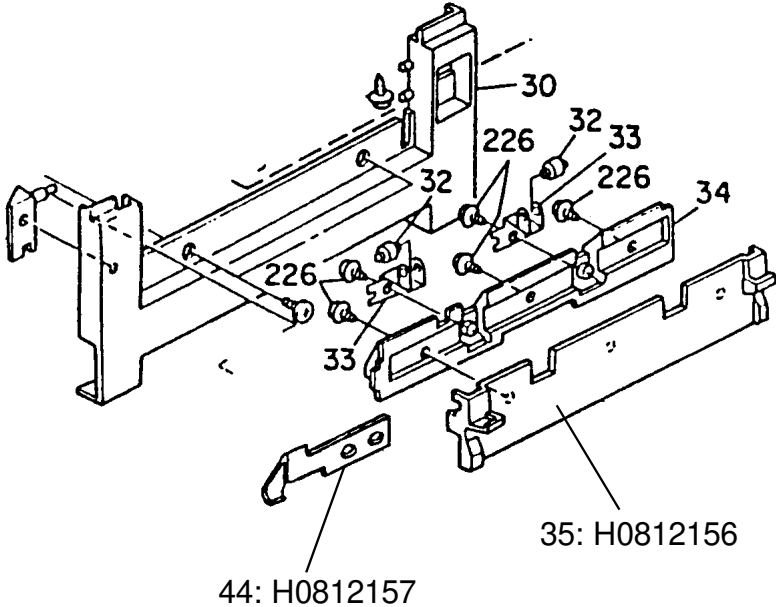
Reference No. for this MB

QECR	
ECN No.	92070082

H.Motojima

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FTS Sect. TS Dept.



MODIFICATION BULLETIN NO. CSO-031ISSUED ON March, 9th, 1993

Model	CSO	Date of Modification
Modified Article	Various	Expected Date
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input checked="" type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	From Oct., of '92 production
		Execution Date
The following parts have been deleted in order to facilitate assembly, the frame of the machine is strong enough.		

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H081 3179	--	Bracket - Right	1 - O	O / O		49	1 - 11
H081 3180	--	Bracket - Stay - Right Side Plate	1 - O	O / O		47	1 - 11

Reference No. for this MB

QECR	
ECN No.	92070089

H.Motojima

Assistant General Manager

FTS Sect. TS Dept.

MODIFICATION BULLETIN NO. CSO-32ISSUED ON March 24th, 1993

Model	CSO (USA only)	Date of Modification
Modified Article	PCB - NCU	Expected Date
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input checked="" type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	Execution Date
		After the old parts have become out of stock.

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H081 6014B	H081 6014C	PCB - NCU - USA	1 - 1	O / O		9	9
1606 1140		Capacitor - 0.1 μF	(3 - 0)				
1606 1762		Capacitor - 0.022μF	(1 - 0)				
	1633 0000	Chip Resistor - 0Ω	(1 - 2)				

Reference No. for this MB

QECR	
ECN No.	

H.Motojima

Assistant General Manager

FTS Sect. TS Dept.

MODIFICATION BULLETIN NO. CSO-033ISSUED ON March 24th, 1993.

Model	CSO All models	Date of Modification
Modified Article	Development Unit	Expected Date
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability Other	Execution Date
		From the Feb. production.
The development roller and the Joint - development roller have been combined to one part, in order to facilitate servicing.		

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H081 2410	→ H082 2400	Development Roller Ass'y	1 - 1	O / O		28	7
H081 2474		Joint - Development Roller	1 - 0			31	7

Reference No. for this MB

QECR	
ECN No.	

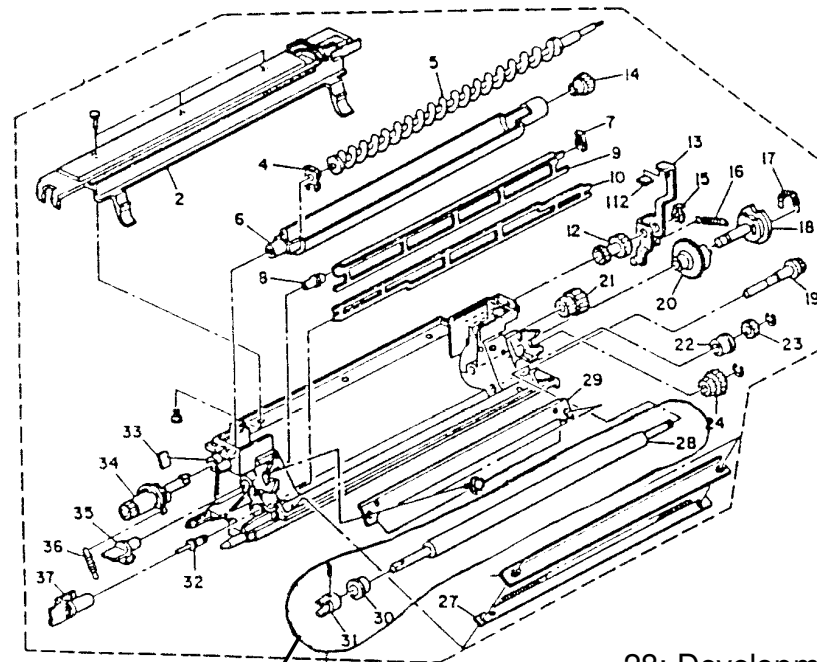
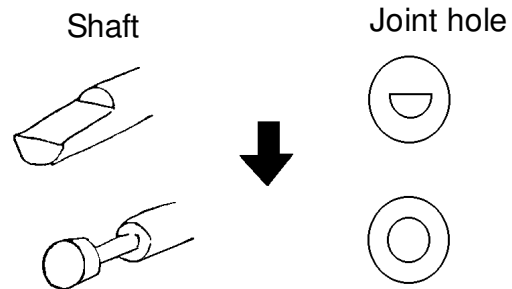
H.Motojima

Assistant General Manager

FTS Sect. TS Dept.

DETAILS OF MODIFICATION

The shape of roller shaft and joint hole have been changed as follows.



28: Development Roller
31: Joint - Development Roller

MODIFICATION BULLETIN NO. CSO-034ISSUED ON March 24th, 1993

Model	CSO PFU All models	Date of Modification
Modified Article	Bushing	Expected Date
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input checked="" type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	Execution Date
		After the old parts have become out of stock.

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H006 2478	H053 1600	Bushing - Fan Motor	2 - 2	O / O		52	3
5053 0447	H053 1600	Bushing - 6mm	2 - 2	O / O		214	3
H110 3828	H110 3881	Upper Base	1 - 1	O / O		70	3

Reference No. for this MB

QECR	
ECN No.	

H.Motojima

Assistant General Manager

FTS Sect. TS Dept.

MODIFICATION BULLETIN NO. CSO-035ISSUED ON March 24th, 1993.

Model	CSO All models	Date of Modification									
Modified Article	PCB - FCU	Expected Date									
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input checked="" type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	Execution Date									
		After the old parts have become out of stock.									
		<p>We have changed the AFSP chip and voltage detector, in order to standardize with other version.</p> <p>Regarding the H0816153 /H0816155 /H0816154 we have no plan to manufacture the new parts, due to our stocks of the new parts.</p> <p>Therefore we will keep providing the old parts.</p>									
Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog					
						Index No.	Page				
H081 6143A	H081 6153	PCB - FCU: USα	1 - 1	O / O		49	5				
H081 6142A	H081 6152	PCB - FCU: USβ	1 - 1	O / O		49	5				
H081 6145A	H081 6155	PCB - FCU: Tel α	1 - 1	O / O		49	5				
H081 6144A	H081 6154	PCB - FCU: Tel β	1 - 1	O / O		49	5				
H081 6122A	H081 6151	PCB - FCU: EUR	1 - 1	O / O		49	5				
H081 6146	H081 6156	PCB - FCU: ASIA	1 - 1	O / O		49	5				
H081 7186	H081 7191	IC - RF5A48 - 0011 (AFSP)	(1 - 1)		For all the above FCUs						
1407 2945	1408 0800	Voltage Detector	(1 - 1)		For all the above FCUs						
1630 3104		Register 100Ω	(7 - 6)		For all the above FCUs						
1408 0936	H511 7103	DTMF Receiver: MT3271BE	(1 - 1)		Only for H0816155, 6154						
<p>Reference No. for this MB</p> <table border="1"> <tr> <td>QECR</td> <td></td> </tr> <tr> <td>ECN No.</td> <td></td> </tr> </table> <p>S.Hamano</p> <p>Assistant General Manager Second Technical Support Section International Marketing Group</p>								QECR		ECN No.	
QECR											
ECN No.											

MODIFICATION BULLETIN NO. CSO-036ISSUED ON March 25th, 1993

Model	CSO All models	Date of Modification
Modified Article	Various	Expected Date
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input checked="" type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input checked="" type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	After the old parts have become out of stock.
		Execution Date
	1. Antistatic Brush - Part standardization 2. MDF Bracket - To facilitate assembly, the clamp has been combined with the MDF bracket. 3. Harness clamp/ Guide - To facilitate assembly, the clamp has been changed as shown on the next page. (refer to the attachment)	

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H081 1119	H081 1165	Anstistatic Brush - Scanner	1 - 1	O / O		7	5
H081 1126	H081 1155	MDF Bracket	1 - 1	O / O	(with this combination)	16	5
11050344		Clamp	1 - 0			236	5
H081 1089	H110 3883	Harness clamp	1 - 1	O / O	(with this combination)	101	5
H081 1091	H0811092	Harness Guide Ass'y	1 - 1			103	5

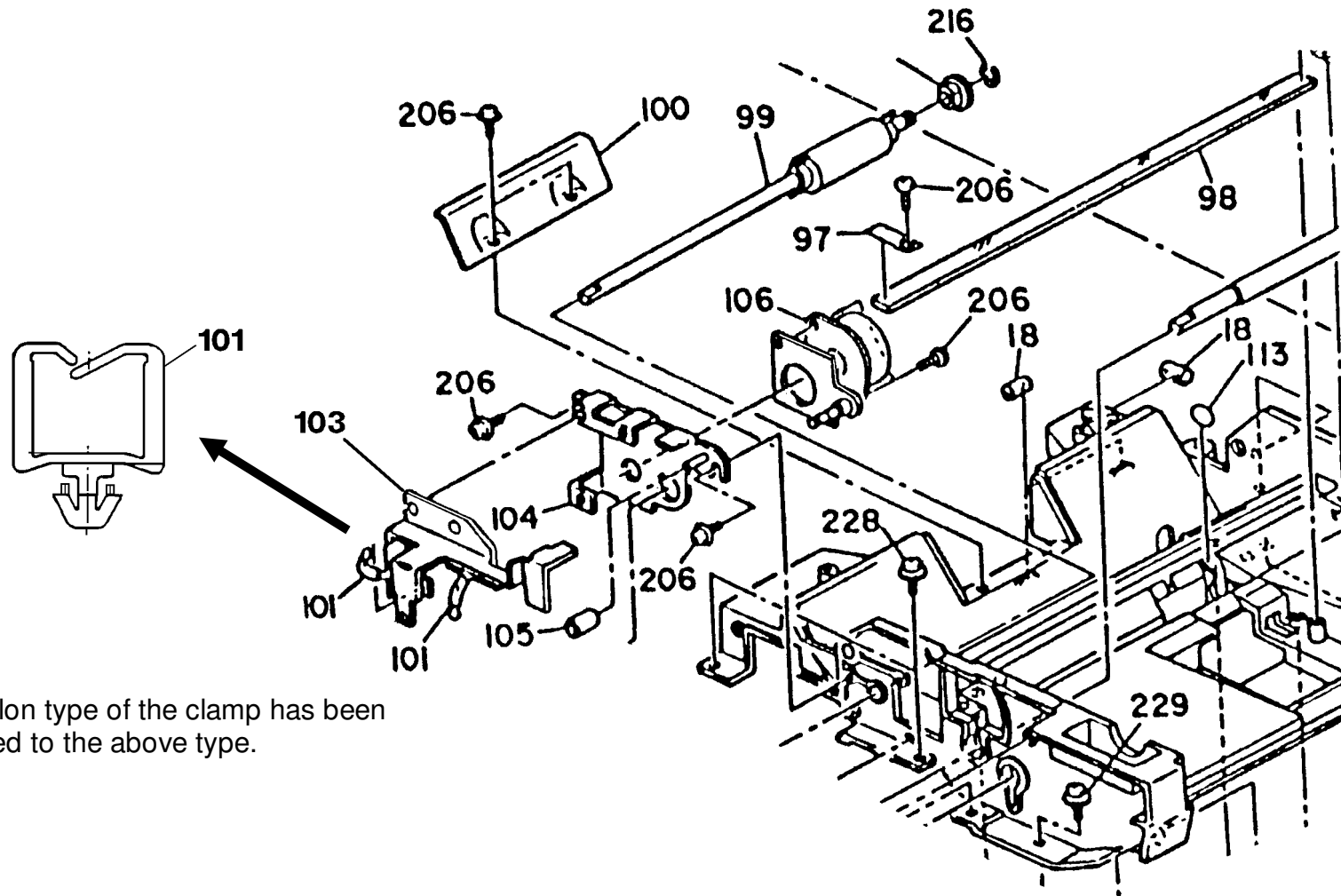
Reference No. for this MB

QECR	
ECN No.	

H.Motojima

Assistant General Manager

FTS Sect. TS Dept.

DETAILS OF MODIFICATION

The nylon type of the clamp has been changed to the above type.

MODIFICATION BULLETIN NO. CSO-037ISSUED ON March 25th, 1993

Model	CSO All models						Date of Modification				
Modified Article	Magnet						Expected Date				
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input checked="" type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other										
	1. Magnet - Cassette cover is no use, therefore it has been deleted. 2. Pressure plate (H081 3372) has been separated to two parts (H081 3402 x 2) in order to standardize the parts with other version.						Execution Date				
							After the old parts have become out of stock				
Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog					
						Index No.	Page				
H081 3365		Magnet - Cassette Cover	1 - 0			5	13				
H081 3372	H081 3403	Pressure Plate - transfer Roller	1 - 2	O / O		22	13				
<div style="text-align: center;">Reference No. for this MB</div> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <table border="1" style="margin-left: auto;"> <tr><td>QECR</td><td> </td></tr> <tr><td>ECN No.</td><td> </td></tr> </table> <div style="margin-left: 20px;"> H.Motojima Assistant General Manager FTS Sect. TS Dept. </div> </div>								QECR		ECN No.	
QECR											
ECN No.											

MODIFICATION BULLETIN NO. CSO - 038ISSUED ON March 25th, 1993

Model	CSO (Europe, Asia version only)	Date of Modification
Modified Article	Holder - Cylindrical Lens ass'y	Expected Date
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input checked="" type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	Execution Date
		After the old parts have become out of stock.

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H081 2510	H081 2511	Holder - Cylindrical Lens Ass'y	1 / 1	O / O		53	11

Reference No. for this MB

QECR	
ECN No.	

H.Motojima

Assistant General Manager

FTS Sect. TS Dept.

MODIFICATION BULLETIN NO. CSO-039ISSUED ON March 25th, 1993

Model	CSO all models	Date of Modification
Modified Article	Lower Document Table	Expected Date
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input checked="" type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	From Oct. of '92 production.
		Execution Date

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H081 4337	Z → H081 4105	Lower Document Guide (G)	1 → 0				
		Lower Document Guide	0 → 1	O / O		26	1 - 3
H081 4298	Z → H081 4105	Lower Document Guide (S, H)	1 → 0				
		Lower Document Guide	0 → 1	O / O		26	1 - 3
H081 4401	Z → H081 4105	Lower Document Guide (Tel)	1 → 0				
		Lower Document Guide	0 → 1	O / O		26	1 - 3

Reference No. for this MB

QECR	
ECN No.	92070082

H.Motojima

Assistant General Manager

FTS Sect. TS Dept.

MODIFICATION BULLETIN NO. CSO-040ISSUED ON March 25th, 1993

Model	CSO	Date of Modification
Modified Article	Side Plate - Copy Out	Expected Date
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input checked="" type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	From Oct. of '92 production
		Execution Date
To facilitate assembly, a stepped screw has been used instead of the snap ring. Because of the above change, the copy out side plate has been changed. These parts should be replaced at the same time.		

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H081 2250		Side Plate - Copy Out	1 → 0	O / O		96	1 - 7
5447 2681		Snap Ring	1 → 0			7	1 - 7
		H081 2293 Side Plate - Copy Out	0 → 1			96	1 - 7
		5403 2075 Stepped Screw	0 → 1			7	1 - 7

Reference No. for this MB

QECR	
ECN No.	92070097

H.Motojima

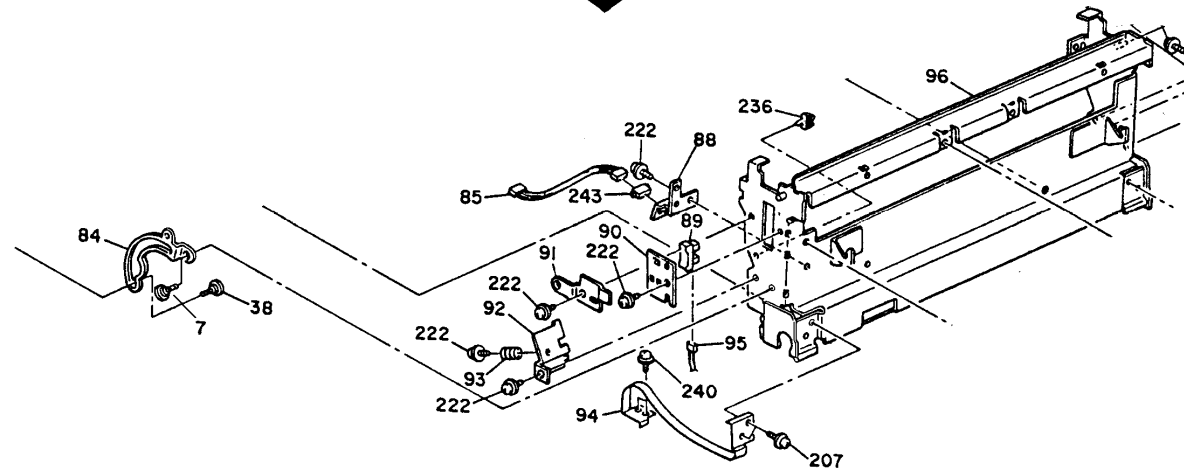
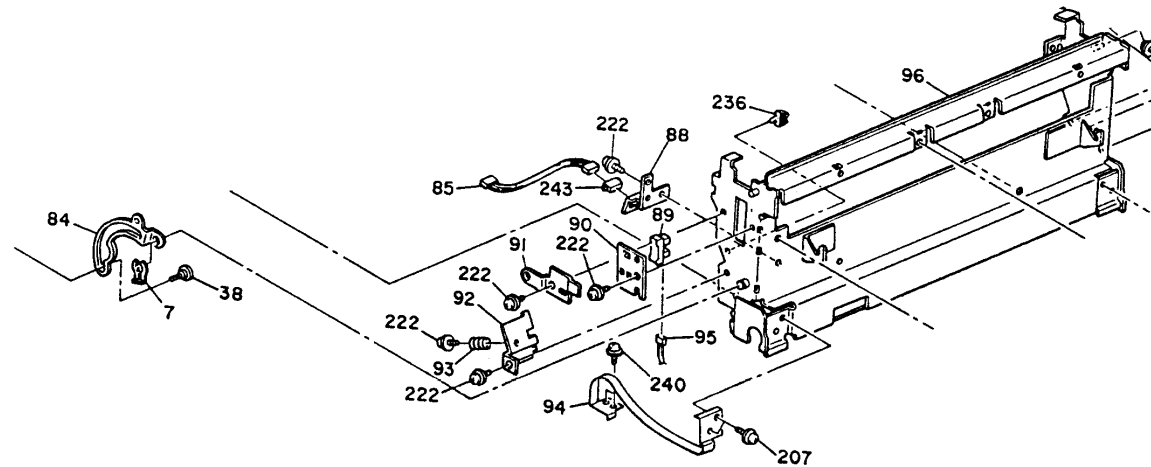
Assistant General Manager

FTS Sect. TS Dept.

MODIFICATION BULLETIN NO. CSO-040

ISSUED ON March 25th, 1993

DETAILS OF MODIFICATION



* REISSUED ON Sep. 30th,**MODIFICATION BULLETIN NO. CSO-041**ISSUED ON March 26th, 1993

Model	CSO	Date of Modification
Modified Article	Bias Terminal	Expected Date
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input checked="" type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	From Jan of '93 production
		Execution Date
* H0813260, H0813261, H0813174, H0813172 and H0813121 should be replaced at the same time with H0813266 and H0813267.		

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange-ability	Remarks	Parts Catalog	
						Index No.	Page
H081 3260	[	Development Bias Bushing	1 → O	O / O		48	1 - 9
H081 3261		Development Bias Terminal	1 → O			49	1 - 9
H081 3174		Left Cover - Bias Terminal	1 → O			53	1 - 9
H081 3172		Bias Terminal	1 → O			50	1 - 9
*H081 3121		Bias Terminal Plate	1 → O			50	1-11
	[	H0813266	O → 1			48	1 - 9
	[	H0813267	O → 1			49	1 - 9

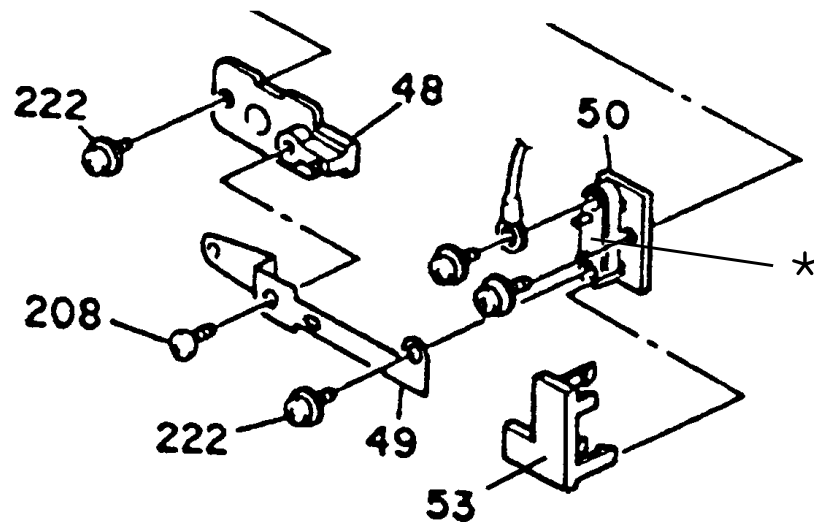
Reference No. for this MB

QECR	
ECN No.	92070090

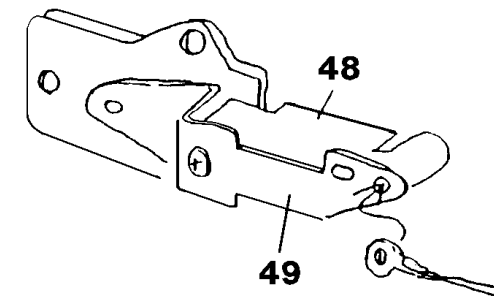
S.Hamano
 Assistant General Manager
 2nd T.S.Sec. Int'l Marketing Group

MODIFICATION BULLETIN NO. CSO-041

* REISSUED ON Sep. 30th,
ISSUED ON March 26th, 1993

DETAILS OF MODIFICATION**Old**

48: H0813260 Development Bias Bushing
 49: H0813261 Development Bias Terminal
 50: H0813171 Bias Terminal
 53: H0813174 Left Cover - Bias Terminal
 * : H0813121 Bias Terminal Plate (Page 1-11, index
 no.50)

New

48: H0813266 Development Bias Bushing
 49: H0813267 Development Bias Terminal

MODIFICATION BULLETIN NO. CSO-042ISSUED ON March 26th, 1993.

Model	CSO	Date of Modification
Modified Article	Drive Shaft Ass'y	Expected Date
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input checked="" type="checkbox"/> To facilitate assembly	From Jan of '93 production
	<input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	Execution Date
	<p>The shape of Drine Shaft Ass'y (H0813268) and Bushing (H0813291) are same as the old parts. The shape of Tining Pulley is defferent from the old parts as follows.</p> <div style="text-align: center;"> </div>	

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H0813243	H0813268	Drive Shaft Ass'y	1 → 1	O / O		29	1 - 9
H0813233	H0813270	Timing Pulley - PCU - P36	1 → 1	O / O		36	1 - 9
H0121181	H0813291	Bushing - 6mm	1 → 1	O / O		22	1 - 9

Reference No. for this MB

QECR	
ECN No.	92070090

H.Motojima

Assistant General Manager

FTS Sect. TS Dept.

MODIFICATION BULLETIN NO. CSO-043ISSUED ON March, 29th, 1993

Model	CSO						Date of Modification				
Modified Article	Joint Arm						Expected Date				
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input checked="" type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other						From Jan. of '93 production.				
							Execution Date				
Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog					
						Index No.	Page				
H0813287	H0813235	Joint Arm - Master Unit	1 → 1	O / O		67	1 - 9				
<div style="text-align: center;">Reference No. for this MB</div> <table border="1" style="margin: auto;"> <tr> <td>QECR</td> <td></td> </tr> <tr> <td>ECN No.</td> <td>92070090</td> </tr> </table> <div style="text-align: right; margin-top: 20px;"> H.Motojima Assistant General Manager FTS Sect. TS Dept. </div>								QECR		ECN No.	92070090
QECR											
ECN No.	92070090										

MODIFICATION BULLETIN NO. CSO-044

ISSUED ON March, 29th, 1993

Model	CSO	Date of Modification
Modified Article	Paper Feed Motor	Expected Date
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input checked="" type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	From Jan. of '93 production
		Execution Date
These parts should be replaced at the same time.		

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H081 3304	H081 3311	Bracket - Paper Feed Motor A'ssy	1 → 1	] O / O		56	1 - 9
H081 5013	H081 5017	Paper Feed Motor	1 → 1			59	1 - 9

Reference No. for this MB

QECR

ECN No. 92080031

H.Motojima

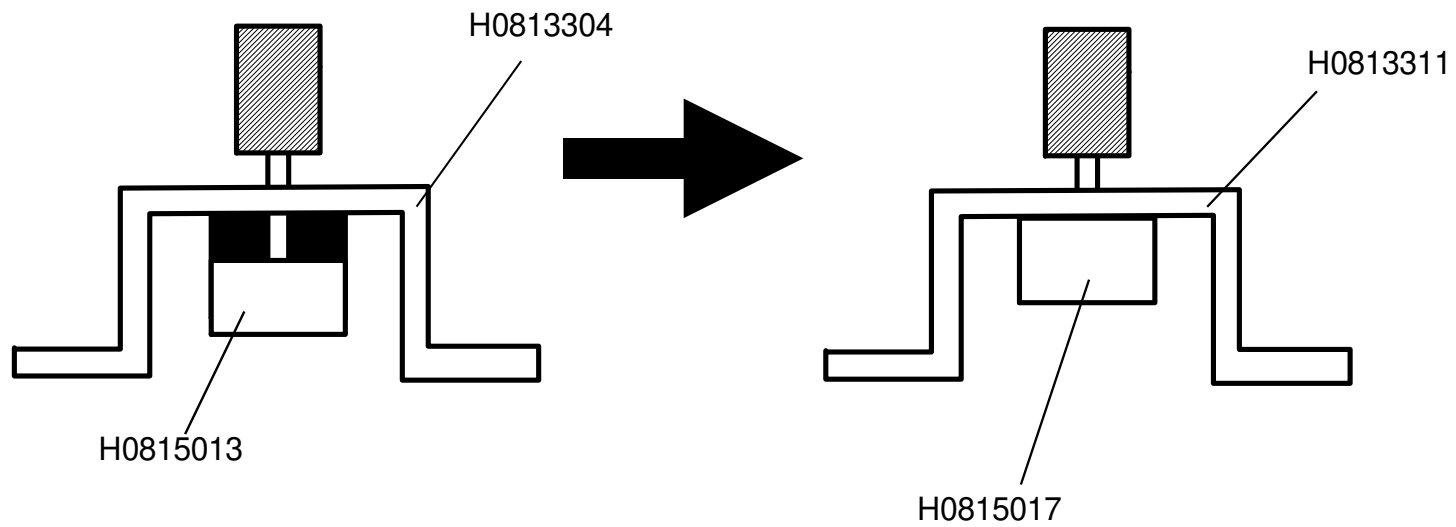
Assistant General Manager

FTS Sect. TS Dept.

MODIFICATION BULLETIN NO. CSO-044

ISSUED ON March, 29th, 1993

DETAILS OF MODIFICATION



MODIFICATION BULLETIN NO. CSO-045ISSUED ON March, 29th, 1993

Model	CSO	Date of Modification
Modified Article	FCU Holder	Expected Date
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	From Jan. of '93 production
		Execution Date

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
	H082 3413	Left FCU Holder	1 → 2			3, 4	1 - 11
H082 3414		Right FCU Holder	1 → 0			4	1 - 11

Reference No. for this MB

QECR	
ECN No.	82080031

H.Motojima

Assistant General Manager

FTS Sect. TS Dept.

MODIFICATION BULLETIN NO. CSO-046ISSUED ON March, 29th, 1993

Model	CSO	Date of Modification
Modified Article	Tension Roller	Expected Date
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability <input checked="" type="checkbox"/> Other	From Jan. of '93 production
		Execution Date
We will combine the Tension Roller and the Tension Roller Bracket in order to facilitate servicing.		

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H081 3487		Bracket - Tension Roller	1 → 0	O / O		51	1 - 9
H081 3489		Tension Roller	1 → 0			52	1 - 9
	H081 3323	Tension Roller Ass'y	0 → 1			51	1 - 9

Reference No. for this MB

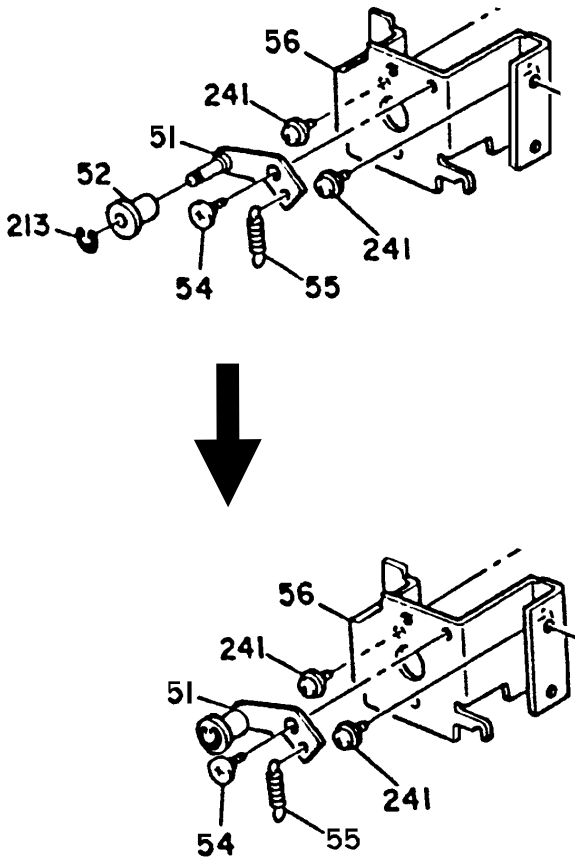
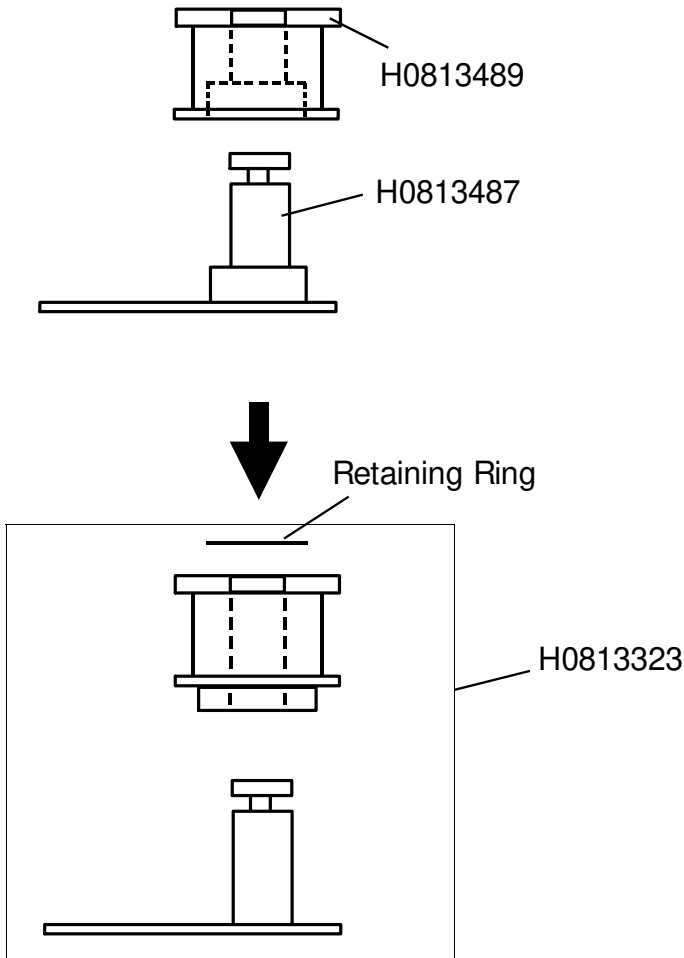
QECR	
ECN No.	92080031

H.Motojima

Assistant General Manager

FTS Sect. TS Dept.

DETAILS OF MODIFICATION



MODIFICATION BULLETIN NO. CSO-047

ISSUED ON April 9th, 1993

Model	CSO All models	Date of Modification
Modified Article	Fulcrum Bracket	Expected Date
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input checked="" type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	From Feb. productions
		Execution Date
H081 1083/ 1080: Refer to attachment H081 1150/ 1152: To standardize the parts with other versions.		

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H081 1083	H081 1203	Right Fulcrum Bracket Ass'y	1 - 1	O / O		109	5
H081 1080	H081 1204	Left Fulcrum Bracket Ass'y	1 - 1	O / O		136	5
H081 1150	H081 1201	Right Fulcrum Bracket - ADF Ass'y	1 - 1	O / O		17	5
H081 1152	H081 1200	Left Fulcrum Bracket - ADF Ass'y	1 - 1	O / O		25	5

Reference No. for this MB

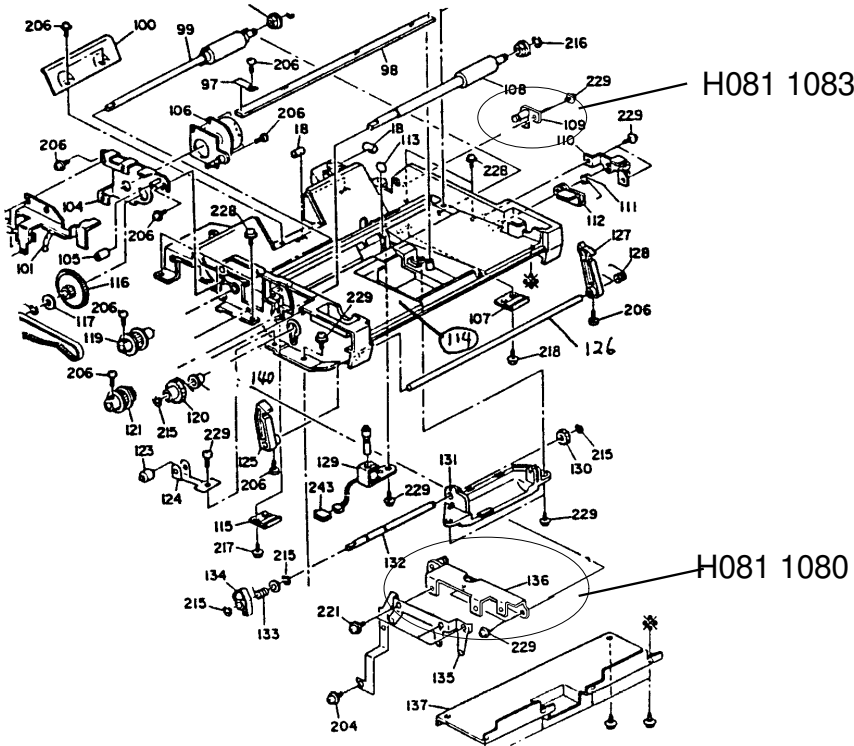
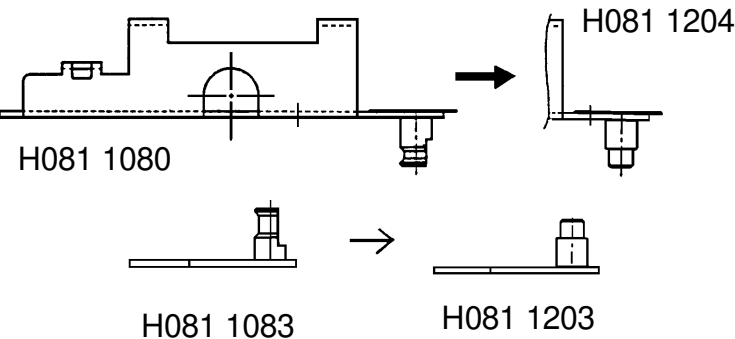
QECR	
ECN No.	92080039

H.Motojima

Assistant General Manager

FTS Sect. TS Dept.

DETAILS OF MODIFICATION



MODIFICATION BULLETIN NO. CSO-048ISSUED ON April 8, 1993

Model	CSO All models	Date of Modification
Modified Article	Lower Document Guide	Expected Date
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input checked="" type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input checked="" type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	From Feb. productions.
		Execution Date
We have deleted the maintenance decals, and instead, on the lower document guide, we have added cut down marks. Also, the dust shield sheet has been combined with the document guide.		

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H081 1021E —	H081 1021F	Lower document Guide	O - 1	O / O	(with this combination)	114	5
H081 1158 —		Maintenance Decal - 2	(1 - O)			82	5
H081 1159 —		Maintenance Decal - 3	(1 - O)			113	5
H081 1090 —		Dust Shield sheet - Document Feed	(1 - O)			137	5

Reference No. for this MB

QECR	
ECN No.	92080039

H.Motojima

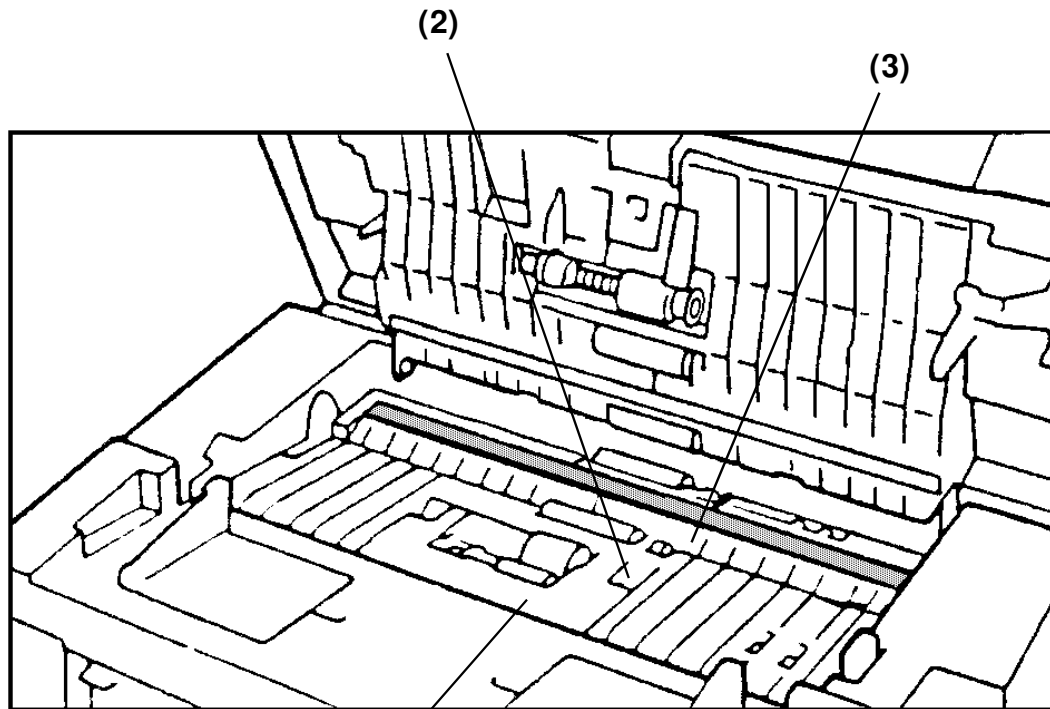
Assistant General Manager

FTS Sect. TS Dept.

MODIFICATION BULLETIN NO. CSO-048

ISSUED ON April 8, 1993

DETAILS OF MODIFICATION



Lower Document Guide

MODIFICATION BULLETIN NO. CSO-049ISSUED ON April 9th, 1993

Model	CSO all models					Date of Modification	
Modified Article	ADF					Expected Date	
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability <input checked="" type="checkbox"/> Other					From Feb. productions.	
						Execution Date	
	<ul style="list-style-type: none"> We have deleted the hop up mechanism for op-port, in order to make user operation (to open or close the op-port) easier. Instead, the bracket cover have been added (to meet safty standard) Also, due to deleting the lift lever bracket, the spring hook has been changed. 						

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H081 1086		Lift Lever - ADF	1 - 0			112	5
H081 1087		Lift Lever Spring	1 - 0			111	5
H081 1088		Lift Lever Bracket	1 - 0			110	5
	H081 1173	Bracket Cover	0 - 1			110	5
H081 1073	H081 1175	Spring Hook	1 - 1	X / O		128	5

Reference No. for this MB

QECR	
ECN No.	92080039

H.Motojima
 Assistant General Manager
 FTS Sect. TS Dept.

REISSUED ON June 15th, 1995**MODIFICATION BULLETIN NO. CSO-050**ISSUED ON April 9th, 1993

Model	CSO All models					Date of Modification	
Modified Article	S1 Bracket					Expected Date	
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input checked="" type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other					From Feb. productions in 1993.	
1. The S1 bracket and the bracket - Separation torque adjuster have been combined. 2. The clamp on the ADF stay ass'y from metal to plastic.							

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H081 1136	H081 1156	S1 Bracket	1 → 1	X / X	O / O (with this combination)	20	5
H081 1132		Bracket - Separation Torque Adjuster	1 → 0			41	5
H081 1134	H081 1134A	Pin - Separation Torque Adjuster	1 → 1	X / X		44	5
H081 1141	H082 1202	ADF Stay	1 → 1	X / X	O / O (with this combination)	11	5
	H110 3883	Clamp	0 → 1			101	5

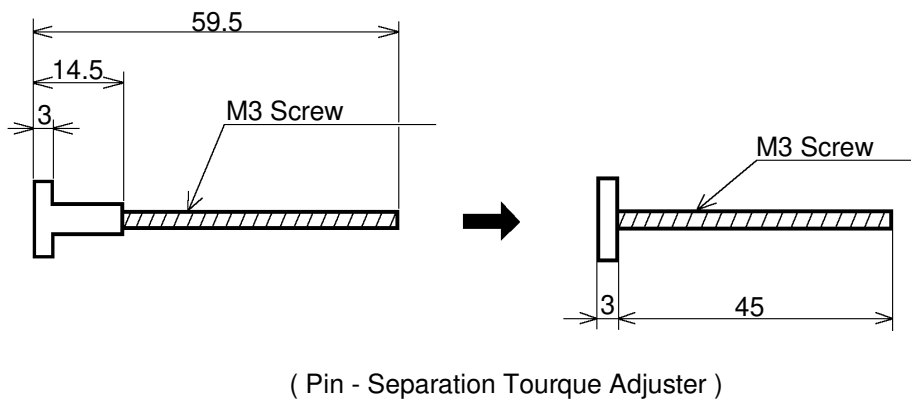
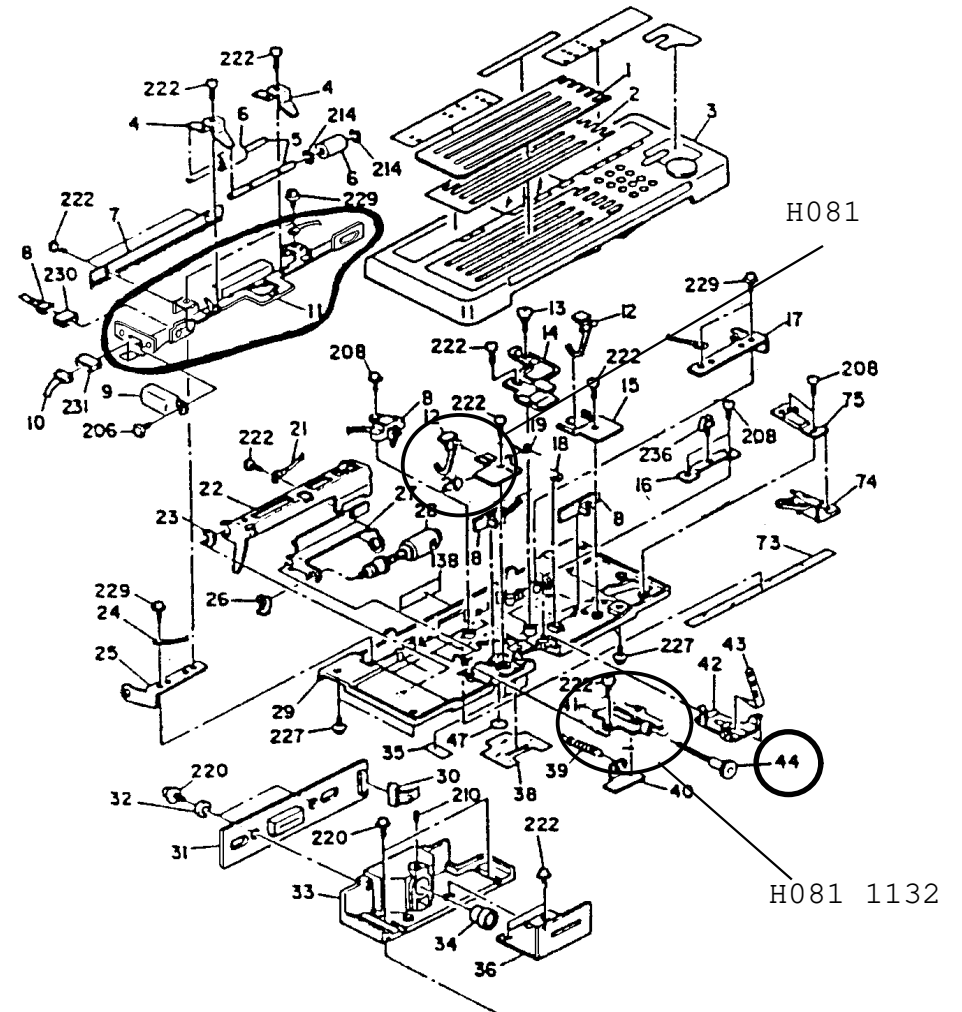
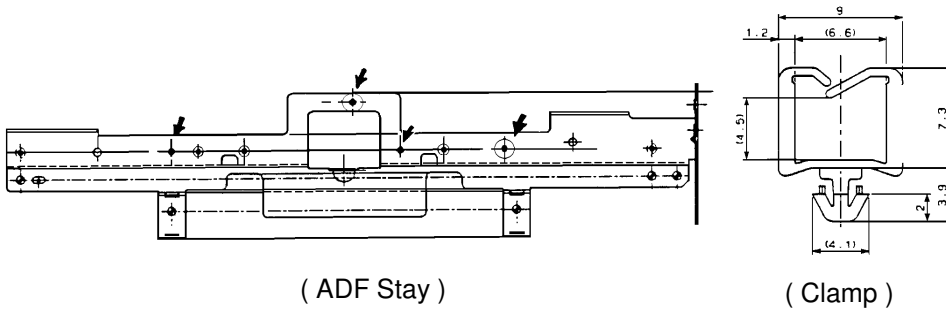
M. Iwasa
 Manager
 2nd T. S. Sec. Int'l Marketing Group

REISSUED ON June 15th, 1995

MODIFICATION BULLETIN NO. CSO-050

ISSUED ON April 9th, 1993

DETAILS OF MODIFICATION



MODIFICATION BULLETIN NO. CSO-051

ISSUED ON June 30, 1993

Model	CSO (France)	Date of Modification
Modified Article	PCB-NCU: FRANCE	Expected Date
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input checked="" type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	Execution Date
		From April productions of '93.
To meet the regulation of French PTT.		

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H0846002G	H0846002H	PCB-NCU: France	1 - 1	X / O		9	9
H0847106A	H5107150	Current Sensor: NLS-11	(1 - 0)				
		Current Sensor: THS-62	(0 - 1)				
14050179	H5117106	Thermistor: TPJ 67090003	(1 - 0)				
		Thermistor: TPJ 67090003	(0 - 1)				
16011932	H5117107	Resistor - 300Ω ± 5% 1/2W	(1 - 0)				
		Resistor - 430Ω ± 5% 1/2W	(0 - 1)				

Reference No. for this MB

QECR	
ECN No.	

H.Motojima

Assistant General Manager

FTS Sect. TS Dept.

MODIFICATION BULLETIN NO. CSO-052

ISSUED ON June 30, 1993

Model	CSO All models						Date of Modification	
Modified Article	Left side Plate						Expected Date	
Reason for Modification	<div style="display: flex; justify-content: space-between;"><div><input checked="" type="checkbox"/> Parts catalog correction <input type="checkbox"/> Vender change</div><div><input type="checkbox"/> To meet standards () <input type="checkbox"/> Part standardization</div><div><input type="checkbox"/> To facilitate assembly <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other</div></div> <p>We have deleted the left side plate from the service parts master, because, this part is not necessary for your field service activation.</p>							
							Execution Date	

Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange-ability	Remarks	Parts Catalog	
						Index No.	Pag
H0813200		Left Side Plate	1 - 1			77	9

Reference No. for this MB

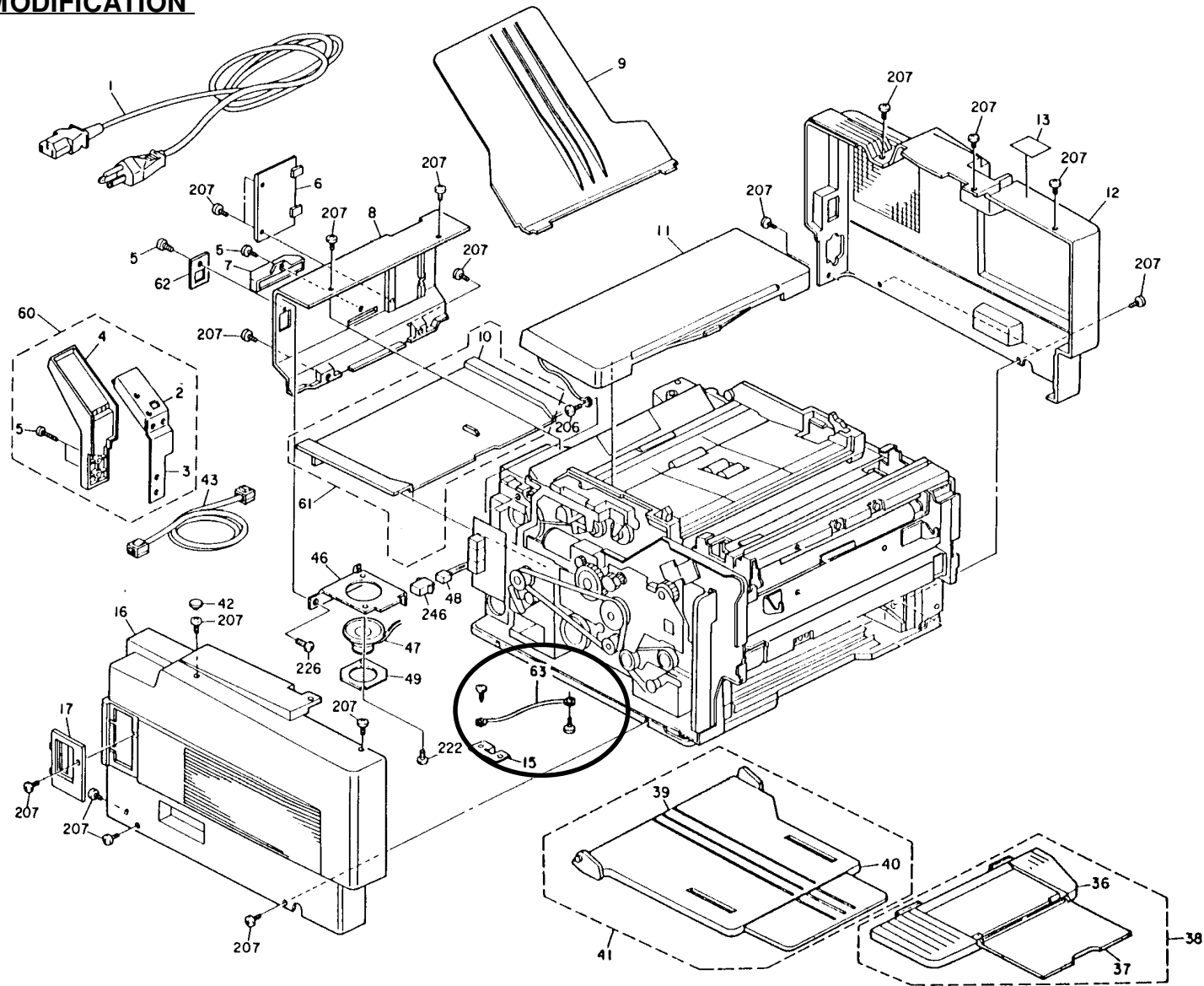
QECR

ECN No. 93040133

H.Motojima
Assistant General Manager
FTS Sect. TS Dept.

Model	CSO (USA and Asia)					Date of Modification	
Modified Article	ADF Wire					Execution Date	
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input checked="" type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other					From the first production of May, '93.	
To meet the UL standards, the following parts have been added.							
Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
	H081 1023	Stopper Bracket: ADF	0 → 1			15	1 - 2
	H082 1061	ADF Wire	0 → 1			63	1 - 2
<div style="text-align: right;"> H.Motojima Assistant General Manager FTS Sect. TS Dept. </div>							

DETAILS OF MODIFICATION

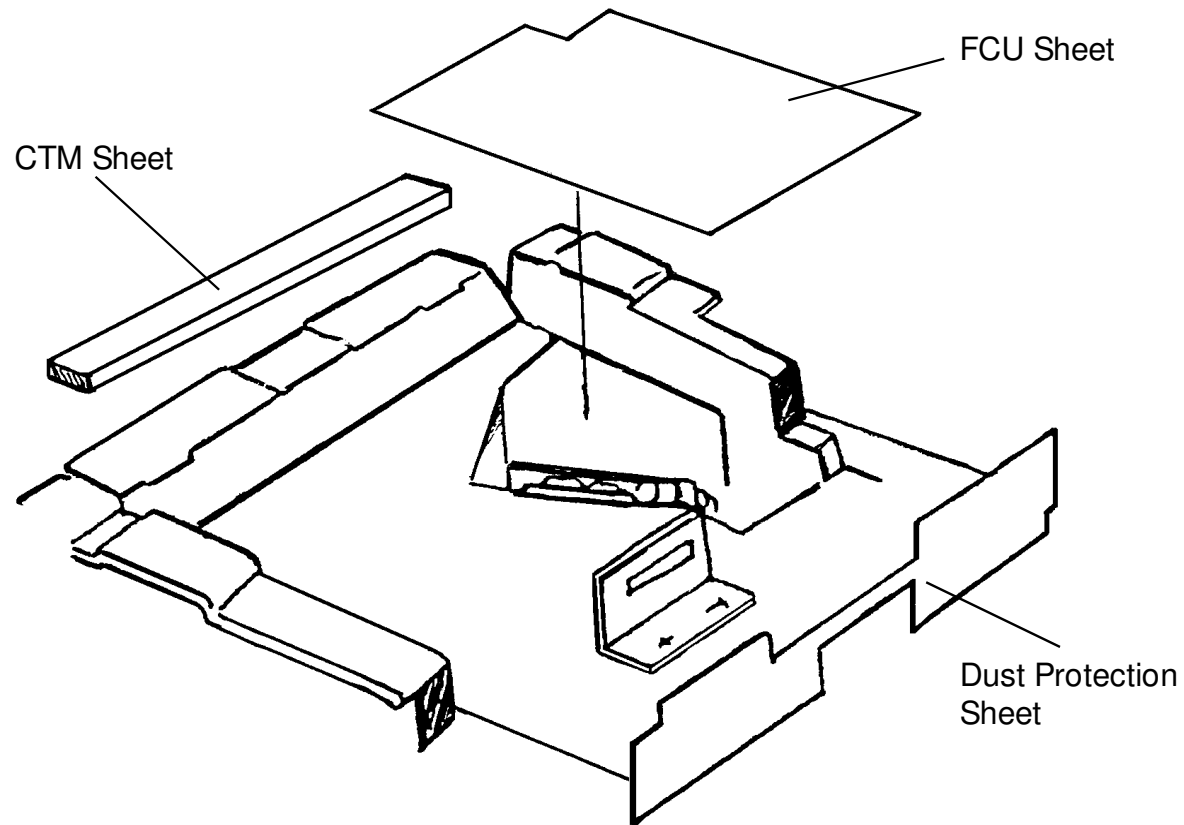


MODIFICATION BULLETIN NO. CSO-054

ISSUED ON June. 30, 1992

Model		CSO all models				Date of Modification	
Modified Article		Sheet				Execution Date	
Reason for Modification		<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input checked="" type="checkbox"/> To improve reliability <input type="checkbox"/> Other				From May productions	
		To protect the mirror from becoming dirty.					
Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
	H081 1236	CTM Sheet	0 - 1			150	5
	H081 1237	FCU Sheet	0 - 1			151	5
	H081 1238	Dust Protection Sheet	0 - 1			152	5
<div style="text-align: right;"> H.Motojima Assistant General Manager FTS Sect. TS Dept. </div>							

DETAILS OF MODIFICATION



MODIFICATION BULLETIN NO. CSO-055ISSUED ON September 30th, 1993

Model	CSO (Europe, Asia versions)					Date of Modification	
Modified Article	PCB - MBU					Execution Date	
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input checked="" type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other <All the above versions, except France> •To meet a requirement in Austria, the software has been modified. <France only> •RAM 2405 F bit no. 7 has been changed from 0 to 1. •Bit switch 07 bit no. 3 has been changed from 0 to 1.					[Europe] From March of '93 productions. [Asia] From July of '93 productions.	
Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H0816025R	H0816025S	PCB - MBU : CSO : INFO	1 → 1	X / O		48	1-5
H0817131N	H0817131P	IC - PROM : CSO : INFO	(1 → 1)				
H0816024R	H0816024S	PCB - MBU : CSO : EUR	1 → 1	X / O		48	1-5
H0817130N	H0817130P	IC - PROM : CSO : EUR	(1 → 1)				
H0816027R	H0816027S	PCB - MBU : CSO : ASIA	1 → 1	X / O		48	1-5
H0817132N	H0817132P	IC - PROM : CSO : ASIA	(1 → 1)				
H0816029F	H0816029G	PCB - MBU : CSO : FRANCE	1 → 1	X / O		48	1-5
H0817133E	H0817133F	IC - PROM : CSO : FRANCE	(1 → 1)				
H0817159K	H0817159L	IC - PROM : CSO : Language kit	1 → 1	X / O		48	1-5
<div style="text-align: right;"> H.Motojima Assistant General Manager FTS Sect. TS Dept. </div>							

MODIFICATION BULLETIN NO. CSO-056

ISSUED ON Sept 22nd, 1993

Model		CSO All models				Date of Modification	
Modified Article		PCB - FCU				Execution Date	
Reason for Modification		<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input checked="" type="checkbox"/> To improve reliability <input type="checkbox"/> Other To improve the reliability of SAF backup circuit. (The data may be erased, when the power is switched off rarely)				[Europe] From Aug of '93 productions, [USA, Asia] From July of '93 productions.	
Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog	
						Index No.	Page
H0816153	H0816153A	PCB-FCU - USA: α	1 - 1	X / O		49	5
H0816152	H0816152A	PCB-FCU - USA: β	1 - 1	X / O		49	5
H0816155	H0816155A	PCB-FCU - Tel: α	1 - 1	X / O		49	5
H0816154	H0816154A	PCB-FCU - Tel: β	1 - 1	X / O		49	5
H0816151	H0816151A	PCB-FCU - EUR	1 - 1	X / O		49	5
H0816156	H0816156A	PCB-FCU - ASIA	1 - 1	X / O		49	5
	14010611	Diode - 1S1588	(9 - 10)		(H081 6153/6152/6151/6156)		
	14010611	Diode - 1S1588	(11 - 12)		(H081 6155/ 6154)		
	14021197	Diode - MTZ13C	(0 - 1)		(All FCUs)		
<div style="text-align: right;"> H.Motojima Assistant General Manager FTS Sect. TS Dept. </div>							

MODIFICATION BULLETIN NO. CSO-056

ISSUED ON Sept 22nd, 1993

[illegible]

MODIFICATION BULLETIN NO. CSO-057ISSUED ON Sept. 22nd, 1993.

Model	CSO (Europe, Asia versions only)						Date of Modification	
Modified Article	PSU Ass'y						Execution Date	
Reason for Modification	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To meet standards () <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Vender change <input type="checkbox"/> Part standardization <input checked="" type="checkbox"/> To improve reliability <input type="checkbox"/> Other						From July of '93 productions.	
To improve the reliability for standing voltage.								
Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange- ability	Remarks	Parts Catalog		
						Index No.	Page	
H081 5602C	H081 5602D	PSU Ass'y - 230: EUR	1 - 1	X / O		72	11	
H081 5603C	H081 5603D	PSU Ass'y - 230: Asia	1 - 1	X / O		72	11	
14010923	N6014060	IC - MOSFET: 2SK1633	(1 - 1)					
	14010611	Diode - IS 1588	(0 - 1)					
H.Motojima Assistant General Manager FTS Sect. TS Dept.								

MODIFICATION BULLETIN NO. CSO-058

ISSUED ON October 4th, 1993

Model		CSO (USA, ASIA)				Date of Modification	
Modified Article		Feature Manual				Execution Date	
Reason for Modification		<div><div><input type="checkbox"/> Parts catalog correction <input type="checkbox"/> Vender change To standardize with other version.</div><div><input type="checkbox"/> To meet standards () <input checked="" type="checkbox"/> Part standardization</div><div><input type="checkbox"/> To facilitate assembly <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other</div></div>				After the old parts have become out of stock.	
Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange-ability	Remarks	Parts Catalog	
						Index No.	Page
H0824707	H5104707	Feature Manual	1 → 1	O / O		-	3
<div>H.Motojima Assistant General Manager FTS Sect. TS Dept.</div>							

MODIFICATION BULLETIN NO. CSO-059

ISSUED ON October 4th, 1993

Model	CSO (Paper Feed Unit) All versions						Date of Modification	
Modified Article	Wire - Cassette Bottom Plate						Execution Date	
Reason for Modification	<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Parts catalog correction <input type="checkbox"/> Vender change To standardize with other version. </div> <div> <input type="checkbox"/> To meet standards () <input checked="" type="checkbox"/> Part standardization </div> <div> <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other </div> </div>						After the old parts have become out of stock	
Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange-ability	Remarks	Parts Catalog		
						Index No.	Page	
H1103664	H1103991	Wire - Cassette Bottom Plate	1 → 1	O / O		96	3	
<div style="text-align: right; padding-right: 50px;"> H.Motojima Assistant General Manager FTS Sect. TS Dept. </div>								

REISSUED ON December 24th, 1993

ISSUED ON November 18th, 1993

MODIFICATION BULLETIN NO. CSO-060

Model		All models					Date of Modification	
Modified Article		PFU (Paper Feed Unit)					Execution Date	
Reason for Modification		<div><div><input type="checkbox"/> Parts catalog correction</div><div><input type="checkbox"/> Vender change</div></div> <div><div><input type="checkbox"/> To meet standards ()</div><div><input type="checkbox"/> Part standardization</div></div> <div><div><input type="checkbox"/> To facilitate assembly</div><div><input checked="" type="checkbox"/> To improve reliability</div><div><input type="checkbox"/> Other</div></div> <div>To improve the reliability for lower paper end sensor.</div>					Effective from 1st production of Aug. '93.	
Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange-ability	Remarks	Parts Catalog		
						Index No.	Page	
H110 6001J	H110 6001K	PCB - PFU	1 → 1	X/O		11	1-3	
1602 2620		Resistor - 4.7KΩ	1 → 0					
	1601 2550	Resistor - 10KΩ	0 → 1					

MODIFICATION BULLETIN NO. CSO-061

ISSUED ON November 18th, 1993

Model	CSO (Europe and USA-T)						Date of Modification	
Modified Article	ADF Wire						Execution Date	
Reason for Modification	<div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> Parts catalog correction <input type="checkbox"/> Vender change </div> <div> <input type="checkbox"/> To meet standards () <input type="checkbox"/> Part standardization </div> <div> <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other </div> </div>							
Old Part No.	New Part No.	Description	Q'ty Used Old → New	Interchange-ability	Remarks	Parts Catalog		
						Index No.	Page	
H081 1061	H082 1061	ADF Wire	1 → 1			44	1-2	

S.Hamano

Assistant General Manager

Second Technical Support Section

International Marketing Group