

Model: FR6 (FAX 3800L)		Date: 15-Feb-98	No: 001
Modified Article: FCE		Prepared by: Y.Okunishi	
From: QAC Field Information Dept.			
Reason for Modification:	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> Vendor change <input type="checkbox"/> To meet standards <input type="checkbox"/> To facilitate assembly <input checked="" type="checkbox"/> To improve reliability    (      ) <input type="checkbox"/> Part Standardization <input type="checkbox"/> Other		
Modification Schedule	December 1997.		

Old part number	New part number	Description	Qty	Int	Page	Index	Note
H552 6000K	H552 6000L	PCB – FCE	1 – 1	X/O	1 – 3	10	
H552 7220B	H552 7220C	Program		X/O			

## Reason

- Correction for the following Auto Service Call problems.  
(Some titles printed on the ASC reports were incorrect.)
- Condition change for memory reception when a print job cannot be done  
Factory setting  
No condition → RTI/CSI must be received.

RC	RE	ASIA	
*			

Model: FR6 (FAX3800L)		Date: 15-Feb-98	No: 002
Modified Article: FCE		Prepared by: Y.Okunishi	
From: QAC Field Information Dept.			
Reason for Modification:	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> Vendor change <input type="checkbox"/> To meet standards <input type="checkbox"/> To facilitate assembly <input checked="" type="checkbox"/> To improve reliability    (      ) <input type="checkbox"/> Part Standardization <input type="checkbox"/> Other		
Modification Schedule	February 1998.		

Old part number	New part number	Description	Qty	Int	Page	Index	Note
H552 6000L	H552 6000M	PCB – FCE	1 – 1	X/O	1 – 3	10	
H552 7220C	H552 7220D	Program		X/O			

## Reason

Correction for the following problems

- Could not escape from function mode by pushing the Function button when the machine is in the quick dial print mode.
- -15 dB could not be set for the dedicated parameter.

RC	RE	ASIA	
*			

Model: F66 (FR6) for US		Date: 31-Jul-98	No: FR4/6 - 003
Modified Article: FCE		Prepared by: Y.Okunishi	
From: QAC Field Information Dept.			
Reason for Modification:	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> Vendor change <input type="checkbox"/> To meet standards <input type="checkbox"/> To facilitate assembly <input checked="" type="checkbox"/> To improve reliability ( ) <input type="checkbox"/> Part Standardization <input type="checkbox"/> Other (To improve reception from the Rockwell modem.)		
Modification Schedule			

Old part number	New part number	Description	Qty	Int	Page	Index	Note
H552 600N	H552 6000P	PCB – FCE – US	1 - 1	O/O	1 - 3	10	
H552 7142	H553 7160	Programmed ROM - Modem	1 - 1	O/O			

RC	RE	ASIA	
*			

Model: F66(FR6) for US		Date: 15-Sep-98	No: FR-004
Modified Article: FCE (Program)		Prepared by: Y.Okunishi	
From: QAC Field Information Dept.			
Reason for Modification:	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> Vendor change <input type="checkbox"/> To meet standards <input type="checkbox"/> To facilitate assembly <input checked="" type="checkbox"/> To improve reliability    (     ) <input type="checkbox"/> Part Standardization    (See below)		
Modification Schedule	July 1998		

Old part number	New part number	Description	Qty	Int	Page	Index	Note
H5526000M	H5526000N	PCB - FCE - US	1 - 1	O/O	3	10	
H5527220D	H5527220E	Program – F66 – US	1 - 1	O/O			

Reasons for change:

1. Improved V34 communication in poor line conditions
2. Improved CIS

With some document types, vertical white line(s) appeared on the scanned image.

RC	RE	ASIA	
*			

## MB Correction

Reissue date: 30-Sep-98

The items in bold italic have been corrected or added.

Model: FX4,FX6,FX6MMK2,LSO,IFO,FLX7,FR4,LFO BR1		Date: 15-Sep-98	No: Multi - 012 <b>A</b>
Modified Article: NCU		Prepared by: Y.Okunishi	
From: QAC Field Information Dept.			
Reason for Modification:	<input type="checkbox"/> Parts catalog correction <input checked="" type="checkbox"/> Vendor change <input type="checkbox"/> To meet standards <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> To improve reliability    (    ) <input type="checkbox"/> Part Standardization <input type="checkbox"/> Other		
Modification Schedule	Once the stock of the old part runs out.		

Old part number	New part number	Description	Qty	Int	Page	Index	Note
54886040E	54886040F	PCB – NCU – HE1	1 – 1	O/O			*1
54886041E	54886041F	PCB – NCU – HE2	1 – 1	O/O			IF0
54886045B	54886045C	PCB – NCU – HE2Y	1 – 1	O/O			*2
54886050B	54886050C	PCB – NCU – HE - IT	1 – 1	O/O			FR4
54886052	54886052 <b>A</b>	PCB – NCU – HE – 1Y	1 – 1	O/O			*3
54886053B	54886053C	PCB – NCU – HE – 2Y	1 – 1	O/O			LFO
H0686003H	H0686003J	PCB – NCU – HE -ASA	1 – 1	O/O			*4
(H5047146)	(H5457108)	HIL – 220/240V	(1 – 1)	(O/O)			

Note: \*1= FX4, FX6, FX6MK2, LSO

\*2= FX7, LX7

\*3= FR4 G3 Option

\*4= BRO, BR1

Europe, Asia only

RC	RE	ASIA	
	*	*	

Model: FR6 (F66) for US		Date: 31-Oct-98	No.: 005
Modified Article: FCE		Prepared by: Y.Okunishi	
From: GTSS Field Information Dept.			
Reason for Modification:	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Part standardization	<input type="checkbox"/> Vendor change <input checked="" type="checkbox"/> To improve reliability <input type="checkbox"/> Other	<input type="checkbox"/> To meet standards (      )
Modification Schedule	'98 October production run.		

Old part number	New part number	Description	Qty	Int	Page	Index	Note
H552 6000P	H552 6000Q	PCB – FCE – US	1 - 1	O/O	1 – 3	10	
H552 7220E	H552 7220F	Program	1 - 1	O/O			

## Reasons of change:

Bug correction

When dialing a phone number programmed in a quick dial code and detection of a ringing signal occur at the same time, keys on the panel do not work.

This is very rare.

RC	REBV	ASIA	
*			

Model: F/L Series, FR6 (F66), FR4 (F64)		Date: 31-Oct-98	No.: 201
Modified Article: Development Unit		Prepared by: Y.Okunishi	
From: GTSS Field Information Dept.			
Reason for Modification:	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Part standardization	<input type="checkbox"/> Vendor change <input checked="" type="checkbox"/> To improve reliability <input type="checkbox"/> Other	<input type="checkbox"/> To meet standards (      )
Modification Schedule	Machines : September '98 Service parts : November '98		

Old part number	New part number	Description	Qty	Int	Page	Index	Note
		<For A4 Development Unit>					*1
H516 2519	H516 9645	Rubber Roller Kit – A4	1 - 1	O/O	1 -12	3	*2
H516 2414	H523 2418	Bearing	1 - 1	O/O	2 - 12	1	
		<For B4 Development Unit>					*1,3
H515 2519	H515 9645	Rubber Roller Kit – B4	1 - 1	O/O	1 -16	3	*2
H515 2414	H515 2647	Bearing	1 - 1	O/O	1 - 16	1	

**Note:**

\*1: The part number for the development Unit will not be changed.

\*2: The part number for the Rubber Roller Assembly (Index 5) will be no longer available.

Shield – Rubber Roller (H5162528: Index no.34, page 12) is packed together with the Rubber Roller in a box.

The new part is Rubber Roller Kit, which is registered in the spare parts system.

(Rubber Roller without the shield) → (Rubber Roller with the shield)

Many technicians have removed the rubber roller shield before changing the rubber roller because it makes changing the roller easier.

But, the shield must be replaced after the roller is changed. So, we pack the shield with the roller.

\*3: For LSO, LSOMK2 and FX4/FX6 (Taiwan)

See the next page for the changes to the parts.

RC	REBV	ASIA	
*	*	*	

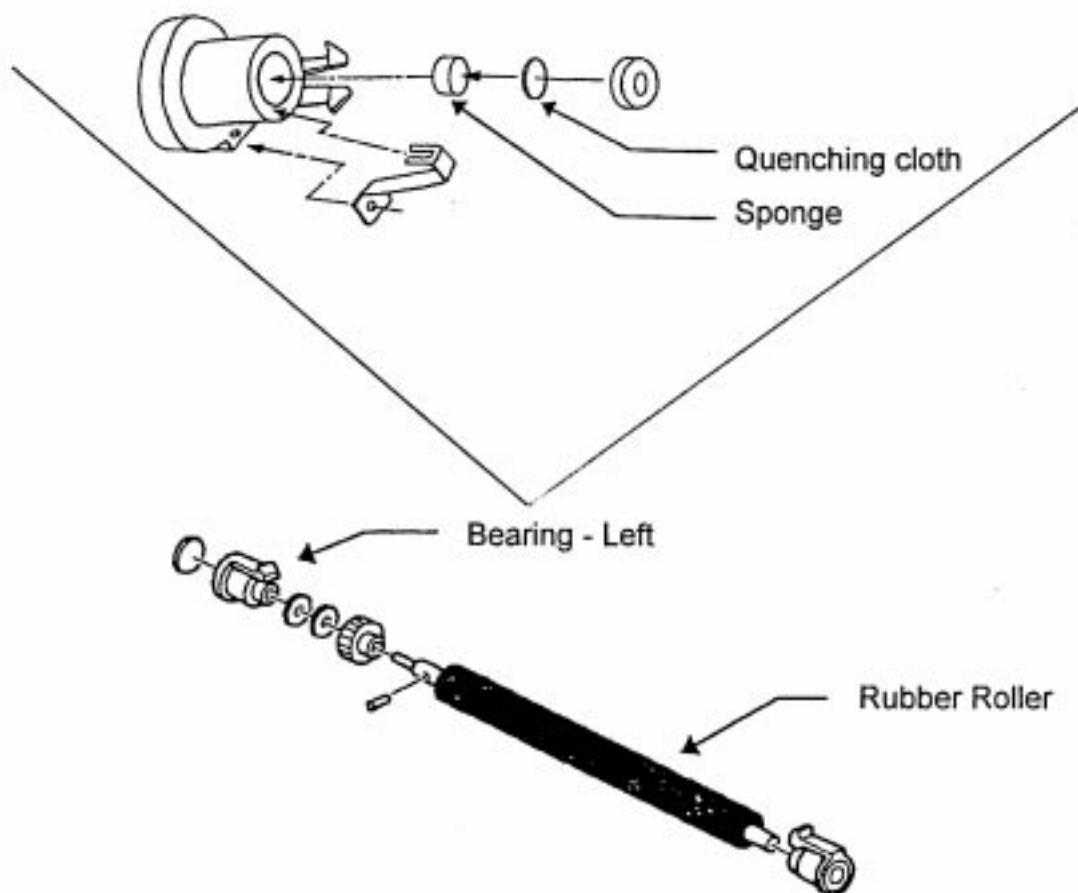
### 1) Rubber Roller

The mold of the rubber roller is changed to a new type which is the same mold as for the other models.

As a result, the surface of the rubber is changed slightly (it is not easy to see the change visually.) and this is effective in preventing the toner from sticking on the roller surface. (See "Filming Problem" in RTB no. F/L - 064.)

### 2) Bearing – Dvlp. Roller – Left

Small parts, which make better grounding, are added inside the bearing. See below. If the grounding is not completed, vertical black lines may occur on copies.





Model: F/L Series (FX4, FR4)		Date: 15-Jan-99	No.: 203
Modified Article: HDD		Prepared by: Y.Okunishi	
From: GTSS Field Information Dept			
Reason for Modification:	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Part standardization	<input checked="" type="checkbox"/> Vendor change <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	<input type="checkbox"/> To meet standards (       )
Modification Schedule	December production run in 1998(①,②,③) After the old part becomes out of stock (④)		

Old part number	New part number	Description	Qty	Int	Page	Index	Note
H5155356	H5515370	Harness – HDD – 44P	1-1	X/O	35	3	①
H5155358	H5515370	Harness – HDD – 44P	1-1	X/O	35	3	①
H5515364	H5515370	Harness – HDD – 44P	1-1	X/O	35	3	②
H1303010	H1303012	HDD Kit	1-1	X/O	35	-	③
	(H5515370)	Harness – HDD – 44P	(0-1)				③
H1303012	H1303012A	HDD Kit	1-1	O/O	35	-	④
(H5157119)	(A8537000)	HDD	(1-1)	(O/O)	35	5	④

Note: ①: for FX4  
 ②: for FR4  
 ③: The new harness (44P) becomes a component of the HDD kit.  
 ④: The new HDD must be installed with the new Harness H5515370.  
 The new HDD kit includes the new HDD and the new harness.  
 Reference: RTB F/L – 056.

RC	RE	ASIA	
*	*	*	

Model: FR4/6 (FR4 Asia)		Date: 15-Jan-99	No.: 6
Modified Article: PSU		Prepared by: Y. Okunishi	
From: GTSS Field Information Dept			
Reason for Modification:	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Part standardization	<input type="checkbox"/> Vendor change <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	<input checked="" type="checkbox"/> To meet standards (Australaria EMI)
Modification Schedule	October production run in 1998.		

Old part number	New part number	Description	Qty	Int	Page	Index	Note
H5515600	H5155600	PSU – 220V	1-1	X/O	1-5	21	*
	H5157140	Coil – 40MH – 1A	0-1				
H5513120	H5153146	PSU Cover	1-1	X/O			
H5513122	H5153122	Bracket – PSU	1-1	X/O			
H5163147	H5163147	Harness Clamp	3-2				
	H5163155	Isolation sheet	0-1				
	H5163157	Bushing	0-1				
03530060Z	03530060Z	Screw – M3x6	23-21				
04513006B	04513006B	Tapping Screw – 3x6	19-18				

- Note: ① This change has been done only for FAX4800L shipped to Asian countries (H551-51) but it has not been done for the NRG model.
- ② When you install the old PSU H5515600 which is used for FR4 (FAX 4800L) produced before October 1998 into the machines produced in October 1998, the other parts listed above should also be installed. It is better to use H5155600 for the machines produced in October 1998.

RC	RE	ASIA	
		*	

Model: FR4 (Europe/Asia)		Date: 15-Feb-99	No.: FR4/6-07
Modified Article: FCE (Program)		Prepared by: Y.Okunishi	
From: GTSS Field Information Dept.			
Reason for Modification:	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Part standardization	<input type="checkbox"/> Vendor change <input checked="" type="checkbox"/> To improve reliability <input type="checkbox"/> Other	<input type="checkbox"/> To meet standards (      )

Old part number	New part number	Description	Qty	Int	Page	Index	Note
H5516140C	H5516140D	PCB-MFCE-EUR	1-1	X/O	1-5	14	
H5517240C	H5517240D	Program-EUR/ASIA					

## Reasons for the change:

### 1. Correction of the following software bugs (Minor problems):

- (1) Programmed telephone dials in Speed Dial no. 35 to 99 could not be cleared by RDS.
- (2) G4 mode  
Type of network (e.g., CiG4) was not printed on the service monitor report if an error occurred before starting the transmission of the first image data.
- (3) G4 mode  
Polling transmission was not successful when the ID did not match but OK was printed and the symbol of the polling mode did not appear on the TCR.
- (4) PCFE  
When PC memory rx was set and over 64Kbytes of data per page were received, the received data could not be sent from the FR4 to the PC (with Win98 / Winphone).
- (5) PCFE  
In the PC memory transmission mode, transmission was not done if the number of dial digits is over 35 (with WinFAXPRO8.0).
- (6) G4 mode  
When a transfer request with department code was done, the name of the department was not sent with the transmitted documents.
- (7) G4 mode  
The system was reset when the communication continued for over one hour.
- (8) G4 mode  
The machine's own CIL clock information was printed on the received pages when the year 2000 was set at the transmission terminal.

### 2. Upgrade / margin-up

- (1) For the new flash ROM chips which will be installed for the future productions.  
(Schedule of the new chips is not fixed yet.)
- (2) Data cannot be input from the ten-key and quick dial key pads while some other key is being pushed. (Data of the key being pushed could be input while the other keys were being pushed.)
- (3) The following condition is added for the stamp.  
\*No stamping in the PC scan mode
- (4) For the regulations of Denmark
- (5) For the regulations of Switzerland

Model: FR4 (Europe/Asia)

Date: 15-Feb-99

No.: FR4/6-07

- (6) For the regulations of the Netherlands  
Dial tone detection becomes ineffective. (This function was effective according to the regulation of the Netherlands.)

RC	REBV	ASIA	
	*	*	

Model: FR4 (US)		Date: 15-Feb-99	No.: FR4/6-08
Modified Article: FCE(Program)		Prepared by: Y.Okunishi	
From: GTSS Field Information Dept.			
Reason for Modification:	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Part standardization	<input type="checkbox"/> Vendor change <input checked="" type="checkbox"/> To improve reliability <input type="checkbox"/> Other	<input type="checkbox"/> To meet standards (      )

Old part number	New part number	Description	Qty	Int	Page	Index	Note
H5516120F	H5516120G	PCB-MFCE-US	1-1	X/O	1-5	14	
H5517210B	H5517210C	Program-US					

## Reasons for change:

### 1. Correction of the following software bugs (Minor problem):

- (1) Programmed telephone dials in Speed Dial nos. 35 to 99 could not be cleared by RDS.
- (2) NCU parameters could not be initialized by Level 2 RAM clear mode.
- (3) G4 mode  
Type of network (e.g., CiG4) was not printed on the service monitor report if an error occurred before starting the transmission of the first image data.
- (4) G4 mode  
Polling transmission was not successful when the ID did not match but OK was printed and the symbol of the polling mode did not appear on the TCR.
- (5) PCFE  
When PC memory reception was set and over 64Kbytes of data per page was received, the received data could not be sent from the FR4 to the PC (with Win98 / Winphone).
- (6) PCFE  
In the PC memory transmission mode, transmission was not done if the number of dial digits was over 35 (with WinFAXPRO8.0).
- (7) G4 mode  
When a transfer request with department code was done, the name of the department was not sent with the transmitted documents.
- (8) G4 mode  
The system was reset when the communication continued for over one hour.
- (9) G4 mode  
The machine's own CIL clock information was printed on the received pages when the year 2000 was set at the transmission terminal.

### 2. Upgrade / margin-up

- (1) For the new flash ROM chips which will be installed for the future productions.  
(The schedule for the new chips is not fixed yet.)
- (2) Data cannot be input from the ten-key and quick dial key pads while some other key is being pushed. (Data of the key being pushed could be input while the other keys were being pushed.)
- (3) The following condition is added for the stamp.  
\*No stamping in the PC scan mode

RC	REBV	ASIA	
*			

Model: FR6 (US)		Date: 15-Feb-99	No.: FR4/6-09
Modified Article: FCE(Program)		Prepared by: Y.Okunishi	
From: GTSS Field Information Dept.			
Reason for Modification:	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Part standardization	<input type="checkbox"/> Vendor change <input checked="" type="checkbox"/> To improve reliability <input type="checkbox"/> Other	<input type="checkbox"/> To meet standards (       )

Old part number	New part number	Description	Qty	Int	Page	Index	Note
H5526000R	H5526000S	PCB-FCE-US	1-1	X/O	3	10	
H5527220F	H5527220G	Program-US					

## Reasons for change:

### 1. Correction of the following software bugs (Minor problems):

- 1) When the time shown on the LCD changes to the next day while the memory report is being printed after the documents are scanned for the memory transmission, the transmission is done 24 hours later.
- 2) The switch which makes RDS effective turns off every time after the machine comes back from the energy saver mode (2W mode).

### 2. Upgrade / margin-up

The following condition is added for the stamp.

\*No stamping in the PC scan mode

RC	REBV	ASIA	
*			

Model: ISDN Option		Date: 31-Mar-99	No.: Multi-13
Modified Article: PCB – CIG4 (ISDN)		Prepared by: Y.Okunishi	
From: GTSS Field Information Dept.			
Reason for Modification:	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Part standardization	<input checked="" type="checkbox"/> Vendor change <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	<input type="checkbox"/> To meet standards (      )
Modification Schedule	When the current stock of old parts runs out.		

Old part number	New part number	Description	Qty	Int	Page	Index	Note
H0826034F	H0826034G	PCB – CIG4 – SV - US	1 – 1	O/O			*1
H0826035H	H0826035J	PCB – CIG4 – SV - EU	1 – 1	O/O			*2
(H0827162)	(19020047)	IC – SRAM-1M	(2 – 2)	(O/O)			

\*1: For FX4 (US) and FR4 (US)

\*2: For LHO (EU), FX4 (EU) and FR4 (EU)

RC	REBV	ASIA	
*	*	*	

Model: FR4/6, FX4/6, FX6Mk2, FX6CD		Date: 31-May-99	No.: MH551010
Modified Article: ADF		Prepared by: Y.Okunishi	
From: Technical Service Dept., GTS Division			
Reason for Modification:	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To facilitate assembly <input checked="" type="checkbox"/> Part standardization	<input type="checkbox"/> Vendor change <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	<input type="checkbox"/> To meet standards ( )
Modification Schedule	After the old part runs out		

Old part number	New part number	Description	Qty	Int	Page	Index	Note
H5151297	H5511297	Lock Lever – Operation Panel	1 – 1	O/O	5	16	

RC	REBV	ASIA	
*	*	*	



Model: FR4/6, FX4/6, FX6Mk2, FX6CD		Date: 30-Jun-99	No.: MH551011
Modified Article: Main Frame 2		Prepared by: Y.Okunishi	
From: Technical Service Dept., GTS Division			
Reason for Modification:	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To facilitate assembly <input checked="" type="checkbox"/> Part standardization	<input type="checkbox"/> Vendor change <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	<input type="checkbox"/> To meet standards ( )
Modification Schedule	After the old part runs out		

Old part number	New part number	Description	Qty	Int	Page	Index	Note
H5163361	G0241007	Rubber Foot	1 – 1	O/O	19	25	

RC	REBV	ASIA	
*	*	*	

Model: FR6		Date: 31-Aug-99	No.: MH551012
Modified Article: Fusing Unit		Prepared by: Y.Okunishi	
From: Technical Service Dept., GTS Division			
Reason for Modification:	<input checked="" type="checkbox"/> Parts catalog correction <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Part standardization	<input type="checkbox"/> Vendor change <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	<input type="checkbox"/> To meet standards ( )
Modification Schedule			

Old part number	New part number	Description	Qty	Int	Page	Index	Note
H5155015	H5525015	Thermistor - Fusing	1 - 1		1 - 14	2	



RC	REBV	ASIA	
*			

Model: FR4		Date: 29-Feb-00	No.: MH551013
Modified Article: PCB - FCE		Prepared by: Y.Okunishi	
From: Technical Services Dept., GTS Division			
Reason for Modification:	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Part standardization	<input type="checkbox"/> Vendor change <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	<input checked="" type="checkbox"/> To meet new FCC standards.
Modification Schedule	December production run in 1999		

Old part number	New part number	Description	Qty	Int	Page	Index	Note
H5516120J	H5516120K	PCB – FCE - US	1 – 1	O/O	1-5	14	
(H5517210C)	(H5517210D)	Program - US	1 – 1	O/O			
H5516140F	H5516140G	PCB - FCE - Europe	1 – 1	O/O	1-5	14	
(H5517240D)	(H5517240E)	Program - Europe	1 – 1	O/O			

- To improve dial tone detection.
- To conform with new FCC Standards (See RTB no. RGENF – 017): US only.

RC	REBV	ASIA	
*	*	*	

Reissued: 06-Mar-00

Model: <i>FR4 (Europe/Asia)</i>	Date: 29-Feb-00	No.: MH551014a
---------------------------------	-----------------	----------------

## MB Correction

The items in bold italics have been corrected or added.

Modified Article: PCB - NCU		Prepared by: Y.Okunishi	
From: Technical Services Dept., GTS Division			
Reason for Modification:	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Part standardization	<input checked="" type="checkbox"/> Vendor change <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	<input type="checkbox"/> To meet standards ( )
Modification Schedule	After the old parts become out of stock		

Old part number	New part number	Description	Qty	Int	Page	Index	Note
54886050C	54886050D	PCB – NCU – HE-1T	1 - 1	O/O			
(12081400)	(12081431)	Relay – TXD2-2M-24V	(1 – 1)	O/O			

RC	REBV	ASIA	
	*	*	

Model: FX4,FX6,FX6Mk2,FX6CD,FR4,FR6		Date: 29-Feb-00	No.: MH551015
Modified Article: Exterior		Prepared by: Y.Okunishi	
From: Technical Services Dept., GTS Division			
Reason for Modification:	<input type="checkbox"/> Parts catalog correction	<input type="checkbox"/> Vendor change	
	<input type="checkbox"/> To facilitate assembly	<input type="checkbox"/> To improve reliability	
	<input checked="" type="checkbox"/> Part standardization	<input type="checkbox"/> Other ( )	
Modification Schedule	From when the old parts become out of stock		

Old part number	New part number	Description	Qty	Int	Page	Index	Note
H5164046	H3094300	Cover – PIF -2	1 – 1	O/O	1-3	1	

Model: FR4, FX4		Date: 04-Jul-00	No.: MH551016
Modified Article: HD Option		Prepared by: Y. Okunishi	
From: Technical Services Dept., GTS Division			
Reason for Modification:	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Part standardization	<input type="checkbox"/> Vendor change <input checked="" type="checkbox"/> To improve reliability <input type="checkbox"/> Other	<input type="checkbox"/> To meet standards (      )
Modification Schedule:	From December production run in 1999		

Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
H1303012	H1303014	HDD Kit	1-1	O/O	35	-	*1
H5515370	H5515372	Harness – HDD – 44P	(1-1)	O/O	35	3	*1

\*1: This MB follows RTB no. RH551017.  
The old part can be used.

RC	REBV	ASIA	
*	*	*	

Model: FX4/6, FR4/6, LFO, Schmidt1/3 (for Europe)		Date: 18-Jul-00	No.: MFmul014
Modified Article: Fusing Unit		Prepared by: Y. Okunishi	
From: Technical Services Dept., GTS Division			
Reason for Modification:	<input type="checkbox"/> Parts catalog correction <input checked="" type="checkbox"/> To facilitate assembly <input type="checkbox"/> Part standardization	<input type="checkbox"/> Vendor change <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	<input type="checkbox"/> To meet standards (      )
Modification Schedule:	From when the old part runs out of stock		

Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
H5165018	H5355055	Thermofuse (Europe)	1-1	O/O	14	13	*1

\*1: The part catalog page and Index number are for the Schmidt 1 Parts Catalog.

RC	REBV	ASIA	
*	*	*	

Reissued: 04-Oct-00

Model: FX4, FR4	Date: 25-Jul-00	No.: MH551017a
-----------------	-----------------	----------------

## MB Correction

The items in bold italics have been corrected or added.

Modified Article: ADF/Scanner		Prepared by: Y. Okunishi	
From: Technical Services Dept., GTS Division			
Reason for Modification:	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To facilitate assembly <input checked="" type="checkbox"/> Part standardization	<input type="checkbox"/> Vendor change <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	<input type="checkbox"/> To meet standards (       )
Modification Schedule:	The new parts are available.		

Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
<b><i>08053386</i></b>	H5151348	Needle Roller Bearing - 4x8x8	1-1	X/O	10	110	*1
H5151342	H5511342	Polyethylene Sheet	2-2	O/O	7	33	*2

\*1: For part catalog correction

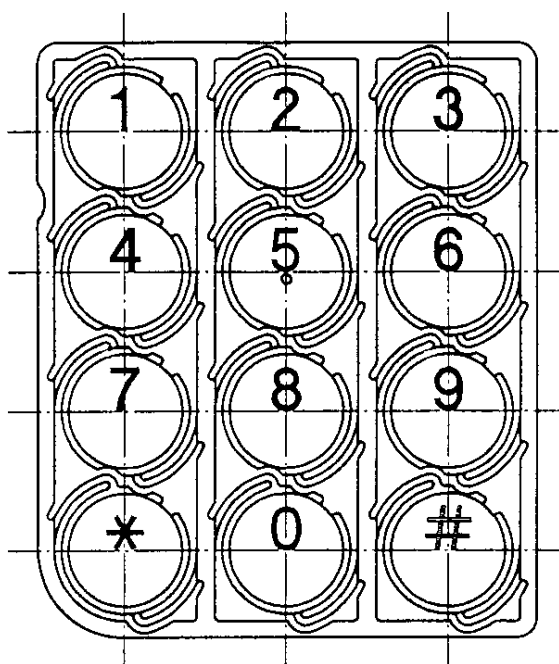
\*2: For part standardization



Model: FX4, FR4 (Europe)		Date: 11-Sep-00	No.: MH551018
Modified Article: OPU (Ten Key Pad)		Prepared by: Y. Okunishi	
From: Technical Services Dept., GTS Division			
Reason for Modification:	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Part standardization	<input type="checkbox"/> Vendor change <input type="checkbox"/> To improve reliability <input checked="" type="checkbox"/> Other	<input type="checkbox"/> To meet standards (      )
Modification Schedule:	The following part has been registered in the SPC spare parts system		

Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
	H5519101	Ten Key Pad - EU	1-1				

- Ten Key Pad -



Model: FX4, FR4		Date: 20-Sep-00	No.: MH551019
Modified Article: Scanner		Prepared by: Y.Okunishi	
From: Technical Services Dept., GTS Division			
Reason for Modification:	<input checked="" type="checkbox"/> Parts catalog correction	<input type="checkbox"/> Vendor change	<input type="checkbox"/> To meet standards ( )
	<input type="checkbox"/> To facilitate assembly	<input type="checkbox"/> To improve reliability	
	<input type="checkbox"/> Part standardization	<input type="checkbox"/> Other	
Modification Schedule	The new part is available at SPC now.		

Old part number	New part number	Description	Qty	Int	Page	Index	Note
H5151062	H5151080	Bushing – R1/R2 Roller	2 - 2	X/O	1-11	14	

RC	REBV	ASIA	
*	*	*	

Model: FX4, FR4		Date: 20-Sep-00	No.: MH551020
Modified Article: HD Option		Prepared by: Y. Okunishi	
From: Technical Services Dept., GTS Division			
Reason for Modification:	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To facilitate assembly <input checked="" type="checkbox"/> Part standardization	<input type="checkbox"/> Vendor change <input type="checkbox"/> To improve reliability <input checked="" type="checkbox"/> Other (margin up for the HD access timing)	<input type="checkbox"/> To meet standards (      )
Modification Schedule:	From September production run		

Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
H1303014	H1303016	HDD Kit	1-1	O/O	35	-	
	H5516060	HD-IF Board	0-1				

A small PCB (HD Interface board) has been added to the HDD Kit. See the attached Installation Manual (this is also packed with the HD option).

## INSTALLATION MANUAL

### *FEATURE EXPANDER TYPE 140 80M III*

This option can be installed in the following models:

- H551 series

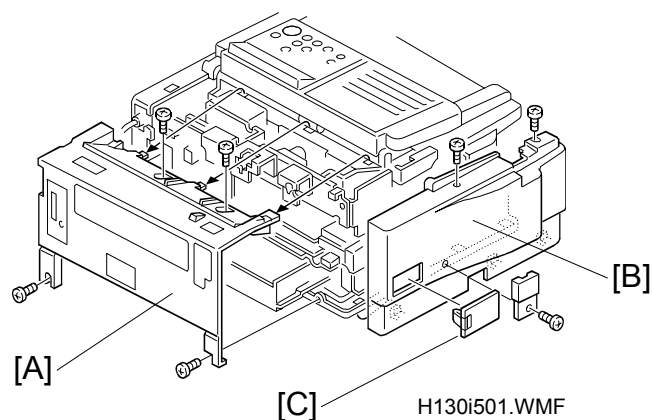
This installation must only be done by qualified service personnel.

**NOTE:** If the optional G3 unit (G3 Interface Unit Type 140) is also to be installed, install this option before installing the G3 unit.

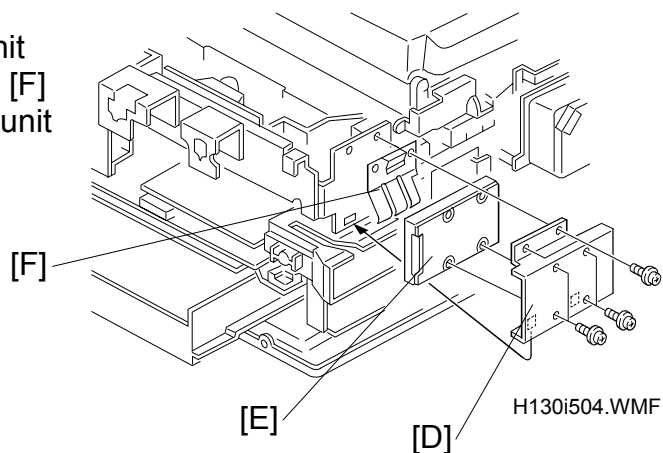
<p><b>⚠ CAUTION</b></p> <p>Do the following before installing an optional unit:</p> <ol style="list-style-type: none"> <li>1. Print out all messages stored in the memory.</li> <li>2. Print out the lists of user-programmed items and the system parameter list.</li> <li>3. Turn off the main switch, and disconnect the power plug.</li> </ol>
--

## Installation Procedure

1. Remove the rear cover [A] (4 screws), left cover [B] (3 screws and the connector cover), and the IC card slot cover [C].



2. Attach the bracket [D] to the hard disk unit [E] (4 screws). Hook the grounding plate [F] on the bracket and secure the hard disk unit to the machine (2 screws).



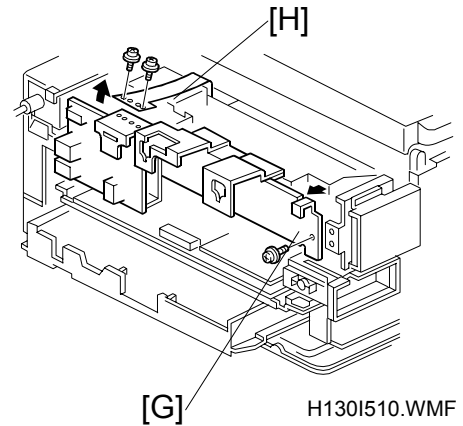
Model: FX4, FR4

Date: 20-Sep-00

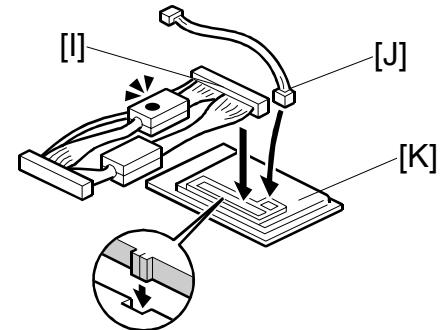
No.: MH551020

3. Remove three screws to loosen the NCU bracket [G]. (3 screws for Europe/Asia models, 1 screw for USA model.)

**NOTE:** The grounding plate [H] is not installed in the USA models.

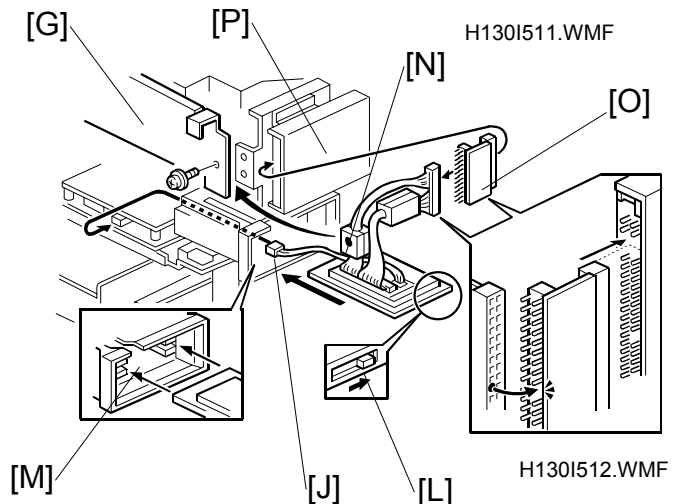


4. Connect the HDD harness [I] and the harness [J] to the hard disk interface card [K].



5. Turn on the battery switch [L] on the hard disk interface card. Then insert the hard disk interface card into the upper card slot [M].

**NOTE:** Do not connect the 2-pin harness [J] to the FDU at this time.



6. Lead the harness containing the core with the black marking [N] behind the NCU bracket [G].

### Important:

This is to avoid the hard disk data bus from interfered by the hard disk drive signal.

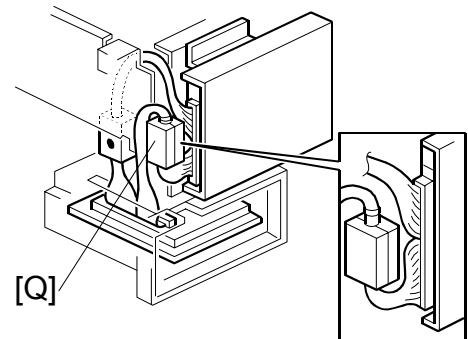
7. Connect the HDD harness to the interface board [O], then connect the interface board to the hard disk unit [P].
8. Turn on the main switch and enter the service mode. Then do the following:
  - Set system bit switch 05 bit 4 to "1", system bit switch 00 bit 1 to "1", then exit the service mode. The machine then does the RAM reset level 3.

Model: FX4, FR4

Date: 20-Sep-00

No.: MH551020

- Enter service function 16 and select "0" (INITIALIZE) to initialize the hard disk.  
If "OK" is displayed, exit the service mode and turn off the main switch.
9. Connect the harness [J] (2 pins) from the hard disk interface card to CN73 on the FDU.
  10. Replace the screws which were removed in step 3.  
(3 screws for Europe/Asia models, 1 screw for USA model.)
  11. Keep the core [Q] and the harness as shown and put back the rear cover and the left cover.



H130I513.WMF

12. Turn on the main switch and enter the service mode.  
Print the memory dump list (service function 06) of the following addresses and data.
 

70001E(H) - 50(H)	700022(H) - 00(H)
70001F(H) - 00(H)	700023(H) - 00(H)
700020(H) - FF(H)	700024(H) - 00(H)
700021(H) - FF(H)	700025(H) - 80(H)

 If any of these addresses contain a different value, format the hard disk (service function 16).

## End of Procedure

### ⚠ CAUTION

The hard disk interface card contains a lithium battery. The danger of explosion exists if a battery of this type is incorrectly replaced.  
Replace only with the same or an equivalent type recommended by the manufacturer. Discard used batteries in accordance with the manufacturer's instructions.

Model: FX4, FR4		Date: 22-Feb-01	No.: MH515216
Modified Article: FCU		Prepared by: Y. Okunishi	
From: Technical Services Dept., GTS Division			
Reason for Modification:	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To facilitate assembly <input checked="" type="checkbox"/> Part standardization	<input type="checkbox"/> Vendor change <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other ()	<input type="checkbox"/> To meet standards (      )
Modification Schedule:	The new part has been in stock.		

Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
H5157100	H5157107	IC – SCP (IC-2)	1 - 1	O/O			*

**Note:**

\*The part number of the FCU has not been changed.

Model: FR Series		Date: 12-Mar-02	No.: MH551021
Modified Article: Fusing Unit – 220V		Prepared by: A.Ishiyama	
From: Technical Services Dept., GTS Division			
Reason for Modification:	<input checked="" type="checkbox"/> Parts catalog correction <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Part standardization	<input type="checkbox"/> Vendor change <input checked="" type="checkbox"/> To improve reliability	<input type="checkbox"/> To meet standards ( )
Modification Schedule	The mentioned part is available from the first mass production.		

Please apply the following Part Number correction to your Catalogs:

Incorrect part number	Correct part number	Description	Qty	Int	Page	Index	Note
H5512101	H5162101	Fusing Unit - 220V	1 – 1	O/O	21	*	



Model: F/L Series		Date: 7-Nov-02	No.: MH515222
Modified Article: HDD Option		Prepared by: A. Ishiyama	
From: Technical Services sec. Service Planning Dept.			
Reason for Modification:	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Part standardization	<input checked="" type="checkbox"/> Vendor change <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	<input type="checkbox"/> To meet standards (       )

The following has been changed due to a vendor change.

Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
B3497000		HDD - MK6014MAP	1 - 1	O/O	35	5	
	► H5159001	HDD TOSHIBA MK6014MAP					

Model: FR Series		Date: 15-Jul-03	No.: MH551022
Modified Article: Laser Unit		Prepared by: A.Ishiyama	
From: 1st Technical Support Sec. Service Support Dept.			
Reason for Modification:	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> Part standardization	<input type="checkbox"/> Vendor change <input checked="" type="checkbox"/> To improve reliability	<input type="checkbox"/> To meet standards ( )
Modification Schedule	The new part is available at SPC.		

The following have been modified to increase reliability (refer to RTB RH551023 for details).

Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
H5522042	H5522045	Laser Plotter Unit	1→1	X/O	*	*	1
H5525040	H5529100	Polygon Mirror Motor	1→1	X/O	*	*	2

[Note 1]

Model	Page	Index
FR6	1-3	9
FR4	1-5	15

[Note 2]

Model	Page	Index
FR6	1-11	12
FR4	1-13	5

**Note:** The Polygon Mirror Motor itself has not been changed. The new P/N above (H5529100) consists of the same motor plus a new Mylar.

Model: FR4, FR6		Date: 1-Jun-04	No.: MH551023
Modified Article: Lock Lever at fusing		Prepared by: A. Ishiyama	
From: 1st Technical Support Sec. Service Support Dept.			
Reason for Modification:	<input type="checkbox"/> Parts catalog correction <input type="checkbox"/> To facilitate assembly <input checked="" type="checkbox"/> Part standardization	<input type="checkbox"/> Vendor change <input type="checkbox"/> To improve reliability <input type="checkbox"/> Other	<input type="checkbox"/> To meet standards (       )
Modification Schedule:	The new part is available at SPC.		

The following has been changed for purposes of parts standardization between production parts on active models and service parts on discontinued models.

Incorrect Part Number	Correct Part Number	Description	Q'ty	Int	Page	Index	Note
H5152133	H3122133	Lever – Lock - Left	1→1	O/O	*	*	1

[Note 1]

Model	Page	Index
FR6	1-15	43
FR4	1-19	14



Part Change Information List

Date: May 31, 2012

Model	Code	PCIL Nr.	PCIL Correction	Old part number	New part number	Description	Old Qty	New Qty	Int	3DPC	Page	Index	Set	Set Int	RTB	Note	Ref. Nr.	ECN Nr.
FR Series	H551	201205		12042334	AW500029	SAFETY SWITCH - FA1L-AA20	1	1	O/O		25	134					V1001441	