

Issued on

May, 7, 1991

Subject: Spare Parts List for K200 ISDN Kit

Model(s): K200 ISDN Kit

FAX T.S. Section T.S. Department

Manager

H. Motojima

Classification

☐ Action Required

☐ Troubleshooting

Retrofit Information

☐ Revision of Service Manual

Information Only

Others

Control	NI.	£_"		A
Control	INO.	IOI	Eacn	Area

R.C.		Asia	003	
SAVIN		LAM		
Europe	003	AT&T		
HCS	003			

We are issuing the parts list for K200 ISDN Kit as a parts catalog, as attached.

We will not stock initial spare parts for you.

So, we would like you to stock few of the above kits for replacement for an initial period.

Model(s): G4 kit for K200D

Technical Bulletin No. K200-005

Issued on

May, 15, 1991

Subject: G4 CCU Bit Sw Table Correction for K200

Classification
☐ Action Required
☐ Troubleshooting
☐ Retrofit Information
☐ Revision of Service Manual
Information Only
☐ Others

FAX	T.S. Section T.S. Department	
Mana	ager	
<u>Н. Мо</u>	otojima	

Control No. for Each Area

R.C.	004	Asia	004
SAVIN		LAM	
Europe	004	AT&T	
HCS	004		

We corrected the G4 CCU Bit Sw Table for the service manual in accordance with the requests received during the G4 training held in April, 1991.

Please replace your old bit switch table with this one.

[Note]

This table is only for the K200D G4 kit (X.21, V.24, V.35 I/F), not for the ISDN G4 kit. For the ISDN G4 kit, refer to the table in the ISDN service manual.



Issued on

July 25th, 1991

Subject:

Noise may be generated around the Z51 idle gear.

Model(s): FAX7000(D), 7000L(Digital G4)

i-6765, 6865

FAX T.S. Section T.S. Department

Manager H. Motojima

Classification

Action Required

☐ Troubleshooting☐ Retrofit Information

Revision of Service Manual

☐ Information Only

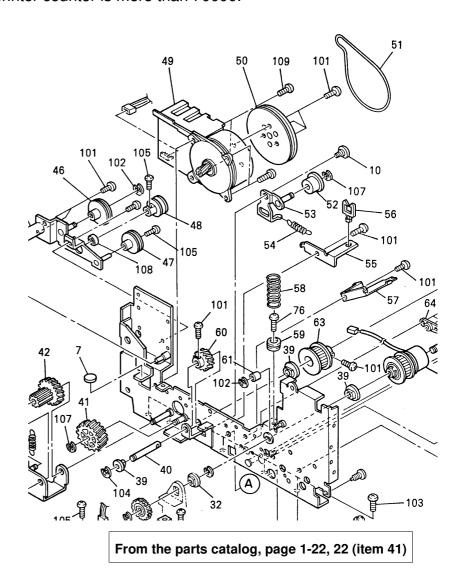
Others

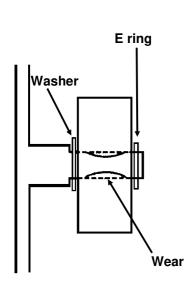
Control No. for Each Area

R.C.	005	Asia	005
SAVIN		LAM	003
Europe	005	AT&T	
HCS	005		

[Symptom] Noise may be generated around the Z51 idle gear while the main motor is moving. Also, paper jam may occur.

[Cause] The shaft for the Z51 idle gear have become worn. This problem may occur in machines whose printer counter is more than 70000.







Issued on July 25th, 1991

Subject:

Noise may be generated around the Z51 idle gear.

[Countermeasure]

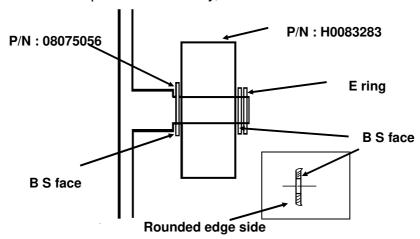
A washer has been added between the gear and the E ring, and the inside of the gear has been changed from a bearing to a bushing.

old new

- $H0083247 \times 1 \rightarrow H0083283 \times 1$
- $08075056 \times 1 \rightarrow 08075056 \times 2$

[Execution date]

From the 1st production of July, 1991.



[Modification in the Field]

(Case 1) If the shaft of the gear is not worn.

Please change the following parts at the PM for machines that are not modified. According to the above figure.

H0083283 Main Drive Idler - Z51 1pc 08075056 Washer 8.1 x 14 2pcs

Note:

Please be careful with the washers at both sides of the gear when you modify the machine in the field, because they have the direction. The rounded edge side (opposite to BS face) should be attached to the gear direction. (Refer to the above illustration.

(Parts)

You can order the above parts separately, but also we made a kit for this modification for convenience

|--|

Contents:

H0083283	Main Drive Idler - Z51	1pc
08075056	Washer 8.1 x 14	2pcs



Issued on July 25th, 1991

Subject:

Noise may be generated around the Z51 idle gear.

(Case 2) If the shaft of the gear is worn.

Please change the following parts at the same time. (Follow the order of the step numbers which are written in the following figure.)

```
a: Z51 Idle Gear - Anti wearing
b: Z51 Idle Gear Shaft - Anti wearing
1 pc
c: Z51 Idle Gear Stopper- Anti wearing
1 pc
d: Hexagon Headless Set Screws-M3 x
4 pcs

(1) b

(2) d

(3) a

(4) c

(5) d
```

(Parts)

H0089404	Z51 Idler Gear Kit-1	
----------	----------------------	--

Contents:

Z51 Idle Gear - Anti wearing	1 pc
Z51 Idle Gear Shaft - Anti wearing	1 pc
Z51 Idle Gear Stopper- Anti wearing	1 pc
Hexagon Headless Set Screw	4 pcs



Issued on

July, 24th, 1991

Subject:

International Dialling Problem

Model(s):

FAX T.S. Section T.S. Department

Manager

H. Motojima

Classification

Control No. for Each Area

R.C.	006	Asia	006
SAVIN		LAM	004
Europe	006	AT&T	
HCS	006		

Case 1

Problem: The machine may dial not the all digits of a telephone number if a pause was entered after the international prefix. (<u>Last one digit may be missed.</u>)

e.g.

Input 01 Pause 1 2 3 4 5

Dial 01 Pause 1 2 3 4

Temporary countermeasure:

Either

- Delete the pause after the international prefix, if your exchanger can work without the pause.
- Add one dummy digit after telephhone number.

e.g. for the above telephone number

Input 01 Pause 1 2 3 4 5 <u>6</u>

dummy digit

Dial 01 pause 1 2 3 4 5

Modification:

FAX7000

H0086045M→N PCB-G3 CCU

H0087269D→E PROM : G3CCU-USA

FAX7000L, Infotec 6765/6865

H0086042K \rightarrow L PCB-G3 CCU : E H0087279F \rightarrow G PROM : G3CCU-E

Execution Date:

Effective from the 1st production of April, 1991.



Issued on

July, 24th, 1991

Subject:

International Dialling Problem

Case 2

Problem: The machine may dial not the all digits of a telephone number if a pause was entered after the international prefix and country code is set at Netherlands. (The digit after the international prefix may be missed.)

e.g.

02 Pause 1 2 3 4 5 Input: 02 Pause 2 3 4 5 Dial: Cauntry Code: Netherlands

Temporary Countermeasure:

Either

- Delete the pause after the international prefix, if your exchanger can work without the pause.
- Add one dummy digit after the international prefix. e.g. for the above telephone number

Input: 02 pause <u>1</u> 1 2 3 4 5

— dummy digit.

Dial: 02 pause 1 2 3 4 5

Modification:

FAX7000L / Infotec 6765/6865

PCB-G3 CCU: E H0086042L→M PROM: G3CCU-E H0087279G→H

Execution Date:

Effective from 1st production of August, 1991.

CC: Mr. Sonoda.(CS QA)



Issued on

July, 24th, 1991

Subject:

Busy Tone incorrect detection

Model(s):

FAX T.S. Section T.S. Department

Manager

H. Motojima

Classification

Control No. for Each Area

R.C.		Asia	
SAVIN		LAM	
Europe	007	AT&T	
HCS	007		

Problem:

K200 may detect certain voice as busy tone and then disconnect the line even if it is not actual busy tone.

Condition

K200's settings; Busy tone detection enable.
Country code: Switzerland or UK

Other terminal's setting; Manual receive

TX: NG

Busy tone: Enable
Country Code: Switzerland
or UK

If other terminal's operator picks up the handset and say somthing like "Hello", the K200 detect it as a kind of busy tone and then disconnect the line.

Cause:

The comparison method for sent tone from the line on K200 is different from that of the other models. Normally, certain kind of tolerance can be set (Range 1 through Range 4). K200 compares the sent tone with these tolerance in parallel. Other models compare them separately in the patterns order.



Issued on

July, 24th, 1991

Subject:

Busy Tone incorrect detection

Countermeasure

RAM data will be changed as follows.

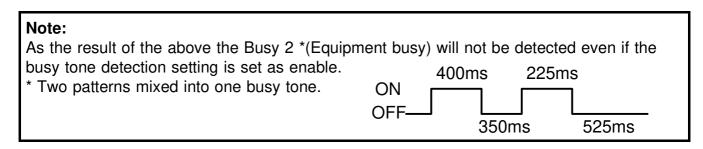
1. When the country code is set at switzerland.

Address		Previous	New
304033H	(Number of busy tone cycles required for detection)	3	6

2. When the country code is set at UK.

Address		Previous	New
304033H	(Number of busy tone cycles required for detection)	2	4

Execution Date for mass production Not fixed yet. we will inform you later by MB





Issued on

Sep. 25th, 1991

Subject:

LDS Handshake fail

Model(s):

FAX7000,FAX7000L, infotec6765/6865/6866

FAX T.S. Section T.S. Department

Assistant General Manager

H. Motojima

Classification

Control No. for Each Area

R.C.	007	Asia	007
SAVIN		LAM	005
Europe	800	AT&T	
HCS	800		

Problem: LDS handshake fail may often occur in the K200.

Cause: Due to a shertage in the tolerance of the UIB comparator, the machine

may falsely detect an LDS handshake fail.

Countermeasure:

A resistor on the PCB-UIB has been changed as follows

 $H0086023E \rightarrow H0086023F$ PCB-UIB

 $16100703 \rightarrow 16100231$ R32

 $16100231 \rightarrow 16100703$ R31

Note:

16100231 : Resistor - 3.3K Ω ±5% 1/10W 16100703 : Resistor - 2.2K Ω ±5% 1/10W

Execution Date:

Effective from 1st production of Aug. 1991.



Issued on

Feb 5th, 1992

Subject:

Corrections

Model(s): FAX7000L

infotec 6765/6865/6866

FAX T.S. Section T.S. Department

Assistant General Manager

H. Motojima

Classification Control No. for Each Area

R.C.		Asia	800
SAVIN		LAM	006
Europe	009	AT&T	
HCS	009		

1. Operator's Manual

[Present Condition]

The charge control system works for all versions.



[Correction]

The charge control system only works for the Germany and Italy versions.

2. Field Service Manual

[Present Condition]

Nothing described in the field Service Manual about Switzerland's requirements.



[Connection]

If the country code is set to the Switzerland setting, the machine acts as follows.

- The machine prints out the received image in substitute reception mode even if the substitute reception condition is cleared (e.g. After adding paper).
- The substitute reception image will not be erased even if the image is printed using function 41, please clean the file using function 41.



Issued on

Feb 5th, 1992

Subject:

Ringing detection fault

Model(s): FAX 7000L

infotec 6765/6865/6866

FAX T.S. Section T.S. Department

Assistant General Manager

H. Motojima

Classification

Control No. for Each Area

R.C.		Asia	
SAVIN		LAM	
Europe	010	AT&T	
HCS	010		

Problem: During dialing via the handset, the machine enters receiving mode.

This happens on the Switzerland Setting.

Cause: The setting of NCU parameter 10 for minumum required ring length first limit is too

small.

Countermeasure:

Change the NCU parameter settings as follows, if the machine's country code is set up for Switzerland.

NCU Parameter 10:

Previous	Countermeasure
1	→ 4 or 5

Technical Bulletin

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Model: General Da		Date	9: 31-Oct-97	No: 011	
Subject: Year 2000 Problem		Prepared by: Y.Okunishi			
From: QAC 2nd F	Field Information Dept.				
Classification:	☐ Troubleshooting ☐ Mechanical ☐ Paper path ☐ Other ()	☐ Part inf ☐ Electric ☐ Transm	al	Servi	n required ce manual revision fit information

Check Items

The following functions for which the clock timer is used were checked to see whether or not they will function correctly at 0:00 on Jan. 1, 2000.

- 1) Display and print of the date and time
 The year must be changed to 2000 or 00 from 1999 or 99 and the date must be kept
 correctly after the start of the year 2000.
- Clock adjustment
 The date and time can be adjusted after the start of the year 2000.
- 3) Send later mode with memory and without memory
 The dialling time must be at the set time after the start of the year 2000.
- 4) Automatic re-transmission.
 When a communication error happens, the machine dials the same destination again automatically at an interval. This must function correctly after the start of the year 2000.
- 5) Weekly timer and night timer
 The energy saver mode (fusing unit) control must work correctly.
- 6) Displayed date after a power failure
 The correct date must be kept by the battery back-up feature.

Models Checked

- 1) K50 series (FAX10, 20, 60, etc.)
- 2) K70 series (FAX90, 95, 105, etc.)
- 3) K90 series (FAX80, 85, 75, 86, etc.)
- 4) LE series (FAX08, 09, Phone fax for ATT, etc.)
- 5) B series (B1, RF810, FAX12, FAX300, etc.)
- 6) ZB series (FAX220, FAX240, Innfax, etc.)
- 7) BARBARA series (RF01, 02, 03, 05, 06, etc.)
- 8) OX series (FAX21, 22)
- 9) PF series (PF-1, PF-2)
- 10) A series (FAX500, 550, etc.)

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Model: General Date: 31-Oct-97 No: 011

- 11) B60 series (FAX170, 180, etc.)
- 12) K100 series (FAX1000L, 1010L, etc.)
- 13) K105 series (FAX4000L, etc.)
- 14) K200 series (FAX7000L, etc.)
- 15) KV series (FAX2800L, 1200L, etc.)
- 16) C series (FAX3000L, 4500L, 5600L, etc.)
- 17) L80 (MV715)
- 18) I series (FAX800, 880, 680, etc.)
- 19) F\L series (FAX2700L, 4700L, MV310, etc.)
- 20) FX7, LX7 (FAX1700L, MV106, FAX1750MP, etc.)
- 21) L20 series (Aficio FX10)

Problems found

- 1) AF0 (FAX500, 550, etc.), CS0 (FAX3000L, 3100L, 3200L, etc.)
 - a) The day of week that appears on the display only in the clock adjustment mode goes back to SUNDAY every time the clock is adjusted after the start of the year 2000.
 - So, the programmed weekly timer does not work correctly.
 - If the clock is not adjusted after the start of the year 2000, the date and the day of the week are kept correctly.
 - b) Clock adjustment is available only for years 91 through 99. The other years cannot be set. (Month, day, and time can be adjusted.)
- 2) K200 (FAX7000L)
 - a) Clock adjustment is available only for years 88 through 99. The other years cannot be set. (Month, day, and time can be adjusted.)
 - b) The send later mode does not function (no dialling occurs) if it passes the time into the year 2000.
 - No report is printed and the remaining message in the memory is not cleared automatically but it can be cleared by user operation.
 - c) Automatic re-transmission is not done if the year 2000 starts after the transmission failure.
 - The remaining message in the memory is not cleared automatically but it can be cleared by user operation.
 - d) The display year is returned back to 88 after a power failure after the start of the year 2000.



Model: General

Technical Bulletin

Date: 31-Oct-97

No: 011

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The other functions in these models work correctly.

Schedule for the countermeasure ROMs

- 1) AF0 (FAX500, 550, etc.), CS0 (FAX3000L, 3100L, 3200L, etc.) In January 1998.
- 2) K200 (FAX7000L) In April 1998.

RC	RE	ASIA	

Technical Bulletin

MB Correction

Reissue date: 15-Nov-97

The items in bold italic have been corrected or added.

Model: General		Date: 31-Oct-97			No: 011 <i>A</i>	
Subject: Year 2000 Problem			Prepared by: Y.Okunishi		Okunishi	
From: QAC 2nd I	Field Information Dept.					
Classification:	 ☐ Troubleshooting ☐ Mechanical ☐ Paper path ☐ Other (Info only) 	☐ Part inf☐ Electric☐ Transm	al		Servi	n required ce manual revision fit information

Check Items

The following functions for which the clock timer is used were checked to see whether or not they will function correctly at 0:00 on Jan. 1, 2000.

- 1) Display and print of the date and time
 The year must be changed to 2000 or 00 from 1999 or 99 and the date must be kept correctly after the year 2000.
- Clock adjustment
 The date and time can be adjusted after the time becomes the year 2000.
- 3) Send later mode with memory and without memory
 The calling time must be the set time after the time becomes the year 2000.
- 4) Automatic re-transmission. When the communication error happens, the machine calls to the same destination again automatically with an interval. This must function correctly after the time becomes the year 2000.
- 5) Weekly timer and night timer
 The energry saver mode (heater) control must work correctly.
- 6) Displayed date after a power failure
 The correct date must be kept by the battery.

Models Checked

- 1) K50 series (FAX10, 20, 60, etc.)
- 2) K70 series (FAX90, 95, 105, etc.)
- 3) K90 series (FAX80, 85, 75, 86, etc.)
- 4) LE series (FAX08, 09, Phone fax for ATT, etc.)
- 5) B series (B1, RF810, FAX12, FAX300, etc.)
- 6) ZB series (FAX220, FAX240, Innfax, etc.)
- 7) BARBARA series (RF01, 02, 03, 05, 06, etc.)

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Model: General Date: 31-Oct-97 No: 011**A**

- 8) OX series (FAX21, 22)
- 9) PF series (PF-1, PF-2)
- 10) A series (FAX500, 550, etc.)
- 11) B60 series (FAX170, 180, etc.)
- 12) K100 series (FAX1000L, 1010L, etc.)
- 13) K105 series (FAX4000L, etc.)
- 14) K200 series (FAX7000L, etc.)
- 15) KV series (FAX2800L, 1200L, etc.)
- 16) C series (FAX3000L, 4500L, 5600L, etc.)
- 17) L80 (MV715)
- 18) I series (FAX800, 880, 680, etc.)
- 19) F\L series (FAX2700L, 4700L, MV310, etc.)
- 20) FX7, LX7 (FAX1700L, MV106, FAX1750MP, etc.)
- 21) L20 series (Aficio FX10)

Problem found

Most of the models except the following models, will not experience any problems.

- AFO (FAX 500/550/580, NGR 9620, Infotec 3301/3305, Nashua F492)
 CSO (FAX 3000/3100/3200, NGR 9660/9661/9662, Omnifax L40/41,
 Savin FAX 3660/3620, Infotec 3660)
 CS1 (FAX 3500L,NRG 9665, Omnifax L46, Savin FAX 3670)
 CRO (FAX 2500L/2600L, NRG 9650, Omnifax L42, Savin FAX 3630, Infotec 3661)
 - a) The day of week, that appears on the display only in the clock adjustment mode, is returned back to SUNDAY every time when the clock adjustment is done after the time becomes the year 2000.
 - So, the programmed weekly timer does not work correctly. (AFO's do not have the weekly timer.)
 - If the clock adjustment is not done after the time becomes the year 2000, the date and the day of week is kept correctly.
 - b) Clock adjustment is available only for the year 91 through 99. The other years cannot be set. (Month, day and time can be adjusted.)



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Model: General Date: 31-Oct-97 No: 011**A**

2) K200 (FAX7000L)

- a) Clock adjustment is available only for the years 88 through 99. The other years cannot be set. (Month, day and time can be adjusted.)
- The send later mode does not function (no calling happens) if it passes the time into the year 2000.
 No report is printed and the rest message in the memory is not cleared automatically but it is cleared by the user operation.
- Automatic re-transmission is not done if the time becomes the year 2000 in the interval after the transmission failure.
 The rest message in the memory is not cleared automatically but it is cleared by the user operation.
- d) The display year is returned back to 88 after the power failure after the time becomes the year 2000.

The other functions in these models work correctly.

Schedule of the countermeasure ROMs

- 1) AFO, CSO, CS1, CRO: In January 1998.
- 2) K200(FAX7000L): In April 1998.

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Technical Bulletin

MB Correction

Reissue date: 15-Jan-98

The items in bold italic have been corrected or added.

Model: General		Date: 15-Jan-98		No: 011 <i>B</i>	
Subject: Year 2000 Problem			Prepared by: Y.Okunishi		
From: QAC 2nd F	Field Information Dept.				
Classification:	☐ Troubleshooting☐ Mechanical☐ Paper path☑ Other (Info only)	☐ Part inf☐ Electric☐ Transm	al	☐ Servi	n required ce manual revision fit information

Check Items

The following functions for which the clock timer is used were checked to see whether or not they will function correctly at 0:00 on Jan. 1, 2000.

- 1) Display and print of the date and time
 The year must be changed to 2000 or 00 from 1999 or 99 and the date must be kept
 correctly after the year 2000.
- Clock adjustment
 The date and time can be adjusted after the time becomes the year 2000.
- 3) Send later mode with memory and without memory
 The calling time must be the set time after the time becomes the year 2000.
- 4) Automatic re-transmission.
 When the communication error happens, the machine calls to the same destination again automatically with an interval. This must function correctly after the time becomes the year 2000.
- 5) Weekly timer and night timer
 The energry saver mode (heater) control must work correctly.
- 6) Displayed date after a power failure
 The correct date must be kept by the battery.

Models Checked

- 1) K50 series (FAX10, 20, 60, etc.)
- 2) K70 series (FAX90, 95, 105, etc.)
- 3) K90 series (FAX80, 85, 75, 86, etc.)
- 4) LE series (FAX08, 09, Phone fax for ATT, etc.)
- 5) B series (B1, RF810, FAX12, FAX300, etc.)
- 6) ZB series (FAX220, FAX240, Innfax, etc.)
- 7) BARBARA series (RF01, 02, 03, 05, 06, etc.)

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Model: General Date: 15-Jan-98 No: 011**B**

- 8) OX series (FAX21, 22)
- 9) PF series (PF-1, PF-2)
- 10) A series (FAX500, 550, etc.)
- 11) B60 series (FAX170, 180, etc.)
- 12) K100 series (FAX1000L, 1010L, etc.)
- 13) K105 series (FAX4000L, etc.)
- 14) K200 series (FAX7000L, etc.)
- 15) KV series (FAX2800L, 1200L, etc.)
- 16) C series (FAX**2500L**,3000L, **3500L**, 4500L, 5600L, etc.)
- 17) L80 (MV715)
- 18) I series (FAX800, 880, 680, *MV74*, etc.)
- 19) F\L series (FAX2700L, *3700L*, 4700L, MV310, etc.)
- 20) FX7, LX7 (FAX1700L, MV106, FAX1750MP, etc.)
- 21) L20 series (Aficio FX10)

Problem found

Most of the models except the following models, will not experience any problems.

- 1) AFO (FAX 500/550/580, **NRG** 9620, Infotec 3301/3305, Nashua F492) CSO (FAX 3000/3100/3200, **NRG** 9660/9661/9662, Omnifax L40/41,
 - Savin FAX 3660/3620, Infotec 3660)
 - CS1 (FAX 3500L,NRG 9665, Omnifax L46, Savin FAX 3670)
 CRO (FAX 2500L/2600L, NRG 9650, Omnifax L42, Savin FAX 3630, Infotec 3661)
 - a) The day of week, that appears on the display only in the clock adjustment mode, is returned back to SUNDAY every time when the clock adjustment is done after the time becomes the year 2000.
 - So, the programmed weekly timer does not work correctly. (AFO's do not have the weekly timer.)
 - If the clock adjustment is not done after the time becomes the year 2000, the date and the day of week is kept correctly.
 - b) Clock adjustment is available only for the year 91 through 99. The other years cannot be set. (Month, day and time can be adjusted.)



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Model: General Date: 15-Jan-98 No: 011**B**

2) K200 (FAX7000L)

- a) Clock adjustment is available only for the years 88 through 99. The other years cannot be set. (Month, day and time can be adjusted.)
- The send later mode does not function (no calling happens) if it passes the time into the year 2000.
 No report is printed and the rest message in the memory is not cleared automatically but it is cleared by the user operation.
- Automatic re-transmission is not done if the time becomes the year 2000 in the interval after the transmission failure.
 The rest message in the memory is not cleared automatically but it is cleared by the user operation.
- d) The display year is returned back to 88 after the power failure after the time becomes the year 2000.

The other functions in these models work correctly.

Schedule of the countermeasure ROMs

- 1) AFO, CSO, CS1, CRO: In January 1998.
- 2) K200(FAX7000L): In April 1998.

RC	RE	ASIA	
*	*	*	

Technical Bulletin

PAGE: 1/3

Model: General		Date	e: 15-Apr-98	No: 014	
Subject: Action F	Plan for the Year 2000 Issues		Prepared by: Y.		Y.Okunishi
From: QAC Field	d Information Dept.				
Classification:	☐ Troubleshooting	☐ Part inf	orma	tion 🗌 Ac	tion required
	☐ Mechanical	☐ Electric	al	☐ Se	ervice manual revision
	☐ Paper path	Transm	nit/rec	eive 🗌 Re	etrofit information
	Other (Info only)				

The year 2000 issue was explained in RTB No. General-011B.

That RTB explains only the technical matters of what will happen after the year 2000 in some models, and the countermeasures.

At this time, we would explain how to talk with customers about the year 2000 issues related to fax machines.

Basically, we can say to the customers that there is no major issue reated to basic operation after the year 2000, and they don't need to take any preventative action before the year 2000.

The only thing that the customers need to know is that the following operations will be changed after the year 2000.

- AF0 (FAX 500/550/580, NRG 9620, Infotec 3301/3305, Nashua F492)
 CS0 (FAX 3000/3100/3200, NRG 9660/9661/9662, Omnifax L40/41, Savin FAX 3660/3620, Infotec 3660)
 CS1 (FAX 3500L,NRG 9665, Omnifax L46, Savin FAX 3670)
 CR0 (FAX 2500L/2600L, NRG 9650, Omnifax L42, Savin FAX 3630, Infotec 3661)
- First, please do not forget to inform the customers that they don't need to do anything if they do not go into the clock adjustment mode.
- A) Adjustment of the year
- A-1) For the year 2000
- ①Set the clock to 11:59 PM (or 23:59) on December 31 1999, and wait for one minute.
- ②The year changes to 2000 automatically, then set the current time. (Do not change the year.)
- A-2) For the year 2001
- ③After the above step ①, set the clock to 11:59 PM (or 23:59) on December 31 2000, and wait for one minute.
- The year changes to 2001 automatically, then set the current time.
 (Do not change the year.)
- A-3) For years 2002 and later, repeat the same procedure as above.



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Model: General Date: 15-Apr-98 No: 014

B) Adjustment of the weekly timer (Heater timer) Except AF0

This is only for customers who use the weekly timer. (We do not think that many customers are using this function.)

Please recommend adjusting the timer on Sunday if the customer can do it.

If they cannot do it on Sunday, the ROM should be changed to the new one.

The new ROM includes the countermeasure for the above A) also.

2. K200 (FAX7000L)

A) Adjustment of the year

First, please do not forget to inform the customers that they don't need to do anything if they do not go into the clock adjustment mode.

- A-1) For the year 2000
- ①Set the clock to 11:59 PM (or 23:59) on December 31 1999, and wait for one minute.
- The year changes to 2000 automatically, then set the current time. (Do not change the year.)
- A-2) For the year 2001
- 3 After the above step ①, set the clock to 11:59 PM (or 23:59) on December 31 2000, and wait for one minute.
- The year changes to 2001 automatically, then set the current time.
 (Do not change the year.)
- A-3) For years 2002 and later

Repeat the same procedure as above.

If the customer switches off the machine after the year 2000, the year displayed returns to 1988. In this case, follow the above procedure to adjust the clock.

B) Send later mode

Please notify the customer that they should not use send later mode on December 31st 1999, if the transmission will be done on the next day.

If the customer cannot guarantee that they will follow this advice, the ROM should be changed.

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Model: General Date: 15-Apr-98 No: 014

Schedule of the countermeasure ROMs

- 1) AFO, CSO, CS1, CRO: In May 1998.
- 2) K200 (FAX7000L): In May 1998.

*Both are delayed.

RC	RE	ASIA	
*	*	*	

Model: LSO, CRO	O, CS1, AFO, AF2, K200	e: 31-May-98	No: Multi - 008		
Subject: ROMs f	or the year 2000 problem	Prepared by: Y.Okunishi			
From: QAC Field	Information Dept.				
Classification:	☐ Troubleshooting	$oxed{\boxtimes}$ Part inf	orma	tion	n required
	☐ Mechanical	☐ Electric	al	☐ Servi	ce manual revision
	☐ Paper path	Transm	it/rec	eive Retro	fit information
	Other ()				

Attached please find the list of the ROMs for the year 2000 problem and the procedure for making R200 ROMs from the ROM files.

Note:

- Please refer to RTB nos. General 11 and 14 for details.
- 8 ROMs for the K200 are combined in one file.

RC	RE	ASIA	
*	*	*	

Technical Bulletin

Date: 31-May-98

No: Multi - 008

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ROMs for the year 2000

Model: LSO, CRO, CS1, AFO, AF2, K200

May 29, 1998 Y.Okunishi

Product	New ROM	Test	File name	Check	ROM Code	Model code	Model	Brand	Area	Sold from	Sold by	No. of sold	Note
Code	No.			sum								units	
CSO	H0817138	yes	CSO7138	8552	c30usa	H081-20	3000L	RICOH	US	91/12	93/4	16,747	2M ROM (1ROM/unit)
						23	3200L			91/12	95/11	18,242	
			[24	3100L			93/2	95/2	21,863	
						21	9660	NRG		92/3	92/7	71	
			ļ			22	9661			92/3	94/2	1,651	
			ļ			26	3660	SAVIN		92/2	93/4	1,372	
			.			27	3620			92/1	93/4	1,917	
	1100171001		0007/000			0=1	20001	DI GOLI		0.4/0	TOTAL	61,863	
	H0817136A	yes	CSO7136S	77A7	c30usa•	25	2600L	RICOH	US	94/9	95/3	8,000	
	H0817139E	yes	CSO7139E	3C77	c30tel	28	L40 L41	Omnifax	US	92/1	93/5	5,181	
			ŀ			29	L41			92/1	93/5 TOTAL	8,008	
	H0817124A	yes	CSO7124A	0772	c30eur	40	3000L 3000L	RICOH	Europe	92/3	95/11	13,189 37,716	
	HU017124A	yes	USU/124A	0//2	Cooeui	46	3000L 3000L	RICOH		92/3	95/6	4,179	
			ŀ			60	9660	NRG		93/3		15,659	
						00	3000	MIG	Luiope	95/5	TOTAL	57,554	
	H0817123A	no	CSO7123A	0078	c30fra	70	3000LF	RICOH	France	93/4	95/9	393	
						80				92/4	95/9	6,206	
			1			90	9660F	NRG		92/4	95/9	2,164	
			<u> </u>		1	•	•	'.			TOTAL	8,763	
	H0817121A	yes	CSO7121A	FA57	c30hcs	30	3660	Infotec	Europe	92/10	94/8	15,528	
	H0817122A	yes	CSO7122A	D225	c30asi	51	3000L	RICOH	Asia	92/3	96/10	18,523	
			[59	9660	NRG		94/3	96/4	2,837	
			Į.			55	-	Ricoh	Korea			?	
							1				TOTAL	36,888	
	H0817140M	yes	CSO7140M	859C	c30tai	23	3000L	RICOH	Taiwan	92/3	95/11	1,251	
	H0817128B	no	CSO7128B	E8C5	c30chi	54	3000L	RICOH	China	93/7	95/11	981	120
	H0817159N	yes	CSO7159N	C3CE	c30opt	H151-65•SW:H0		Option	Europe			?	Language Kit
CS1	H5117150B	yes	CS17150B	6A91	c31usa	73(•:RE),H151-8 H511-20	3500L	RICOH	US	93/6	96/3	31,766	
001	1131171300	yes	00171300	0/13/1	Corusa	21	9669	NRG	00	93/6	95/9	700	
					 	22	L46	Omnifax		93/6	95/12	11,472	
						27	3670	SAVIN		93/7	95/9	3,106	
						-/	22.0	2,		l l	TOTAL	47,044	
CR0	H5107121B	yes	CRO7121B	23AB	c60usa	H510-20	2500L	RICOH	US	3/8 93/5	95/4	26,535	
		,		- '		21	9650	NRG		93/7	95/7	832	
•	ı l		, 1								<u> </u>	_	•

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						22	L42	Omnifax	[93/9	95/3	6,848]
						27	3630	SAVIN		93/7	95/3	2,136	
								•			TOTAL	36,351	
	H5107120B	yes	CRO7120B	F5BF	c60eur	30	3661	Infotec	Europe	93/9	94/9	5,564	
						40	2500L	RICOH		93/9	95/7	11,418	
						60	9650	NRG		93/9	95/8	5,632	
						•	•			•	TOTAL	22,614	
	H5107123B	yes	CRO7123B	0E88	c60fra	33	3661F	Infotec	France	94/4	95/9	242	
						43	2500LF	RICOH		93/10	95/9	2,012	
						63	9650F	NRG		93/10	95/9	931	
						•	•			•	TOTAL	3,185	
	H5107132G	yes	CRO7132G	37F5	c60asi	51	2500L	RICOH	Asia	93/12	96/1	5,955	1
						59	9650	NRG		94/1	95/9	1,107	
								ı			TOTAL	7,062	1
	H5107131B	yes	CRO7131B	23A3	c60tai	53	2500L	RICOH	Taiwan	94/10	97/6	777	
AFO	H0847130K		AFO7130K	D8D3	a20usa	H084-20	500	RICOH	Taiwan	92/4	93/4	365	1
	H0847140L	yes	AFO7140L	6B6A	a20eur	44	500	RICOH	Europe	91/8	94/10	6,817	
	H0847142H	no	AFO7142H	94D0	a20fra	83	500	RICOH	France	92/4	94/3	1,231	
	H0847143L	yes	AFO7143L	350F	a20hcs	34	3301	Infotec	Europe	91/8	95/4	2,892	1
	H0847141L	yes	AFO7141L	3F13	a20asi	51	500	RICOH	Asia	91/10	96/11	13,696	
		*				56	500	RICOH	Vietnam	92/11	94/5	1,650	
							L				TOTAL	15,346	
	H0847150K	yes	AFO7150K	2A40	a20opt	H15146(•:RICOH),H 151-54(SW:HCS)	-	Option	Europe			?	Language Kit
AF1	H0857135B	yes	AF17135B	FCDF	a21chi	H085-54	580	RICOH	China	93/8	96/5	5,040	
AF2	H0867130K	yes	AF27130K	9BDF	a22usa	20	550	RICOH	US	92/1	96/2	14,934	
	H0867140L	yes	AF27140L	3C35	a22eur	44	550	RICOH	Europe	91/8	95/3	10,824	
		-				90	9620	NRG	·	92/4	93/9	1,446	
							•			•	TOTAL	12,270	
	H0867142H	checki ng	AF27142H	583D	a22fra	73	3305	Infotec	France	-	-	0	RIF is checking the ROM.
		_				83	550	RICOH		95/4	95/9	100	
						93	9620	NRG		92/4	94/9	170	
							•		•	•	TOTAL	270	
	H0867143L	yes	AF27143L	0CE0	a22hcs	34	3305	Infotec	Europe	91/8	95/9	6,583	
	H0867141L	yes		DAD8	a22asi	51	550	RICOH	Asia	92/2	96/2	12,181	
						59		Nashua	Asia	92/2	96/1	1,662	
							•		•	•	TOTAL	13,843	
	H0867131A	yes	AF27131A	9BC3	a22tai	53	550	RICOH	Taiwan	94/8	96/2	109	
	H0867150L	yes	AF27150L	E725	a22opt	H15147(*:RICOH),H 151- 55(SW:HCS),H151- 93(*:NASHUA)	-	Option	Europe			?	Language Kit

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K200	H0087260J	yes	H0087260	FC1E	USA	20	7000L	RICOH	US	89/9	95/6	790	1M ROM (8 ROMs/unit)
	H0087261J	,		EBE0									- (
	H0087262J			B88F									
	H0087263J			08B2									
	H0087264J			7AA0									
	H0087265J			C2F0									
	H0087266J			28D7									
	H0087267J		110007070	CE5E	0141	22	70001	DIOCIL		00/40	00/7	440	
	H0087270F H0087271F	yes	H0087270	451C 78BA	GMN	30	7000L	RICOH	Germany	89/10	93/7	119	
	H0087271F			3FA2									
	H0087273F			C44F									
	H0087274F			7B14									
	H0087275F			4DA3									
	H0087276F			7C16									
	H0087277F			380B									
	H0087320F	yes	H0087320	4527	GMN	40	6765	Infotec	Germany	89/9	90/8	180	
	H0087321F			7967									
	H0087322F			3FA2									
	H0087323F			C44F									
	H0087324F			7B14									
	H0087325F			4DA3									
	H0087326F			7C16 380B									
	H0087327F H0087280H	1/00	H0087280	1956	ENG	41	7000L	RICOH	UK	89/10	94/8	85	
	H0087281H	yes	H0067260	CB16	ENG	41	7000L	RICOH	UK	69/10	94/0	65	
	H0087282H			4E46									
	H0087283H			C3F4									
	H0087284H			799D									
	H0087285H			33A8									
	H0087286H			3EE5									
	H0087287H			6478									
	H0087330H	yes	H0087330	1D20	ENG	31	6765	Infotec	UK	89/10	92/12	125	
	H0087331H			64B7									
	H0087332H			4FAF									
	H0087333H			D4A1									
	H0087334H			7830									
	H0087335H			1EBB									
	H0087336H H0087337H			C591 854A									
	H0087337H	yes	H0087290	4A5D	ITY	42	7000L	RICOH	Italy	89/10	91/10	29	
	H0087290C	yes	110007290	5B24	111	42	7000L	ПООП	παιγ	09/10	91/10	29	
	H0087292C			416A									
	H0087293C			C54D									
	H0087294C			8882									
	H0087295C			683D									
	H0087296C			D331									
1	H0087297C			E525						1			

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		• 0011111100				I AGE.	3/0			
H0087340C yes H0087341C H0087342C H0087343C H0087344C H0087346C H0087347C H0087300E yes		4A68 ITY 5BD1 416A C54D 8882 683D D331 E525 4A2A FRN	32	6765 7000L	Infotec	Italy France	89/10 89/10	92/9	137	
H0087300E H0087301E H0087302E H0087303E H0087304E H0087305E H0087306E H0087307E	3 110007300	3680 403B 9F7C 8900 DB80 6C4A 1B91	+3	70001	1110011		33/10	32/3		
H0087350E yes H0087351E H0087352E H0087353E H0087354E H0087355E H0087356E H0087357E	H0087350	4A35 FRN 372D 403B 9F7C 8900 DB80 6C4A 1B91	33	6765	Infotec	France	90/7	91/3	156	
H0087310H yes H0087311H H0087312H H0087313H H0087314H H0087315H H0087316H H0087317H		196E UNV CB4C 4E46 C3F4 799A 3385 3EE5 6478	44	7000L	RICOH	·	89/9	94/1	387	
H0087360H yes H0087361H H0087362H H0087363H H0087364H H0087365H H0087366H H0087367H	H0087360	1D38 UNV 64ED 4FAF D4A1 782D 1E98 C591 854A	34	6765	Infotec	Europe	90/1	92/11	38	

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ROM writing procedure for K200 ROMs

1. ROM Writing

This will vary depending on the ROM writer buffer capacity.

This is an example with a buffer RAM capacity of 512KB.

During the first load, 512KB is sent.

During he first load, 0H~7FFFH can be loaded.

During the second, 800000H~FFFFFH can be loaded.

Since the K200 is 1MB, the sending is completed after 512KB worth has been sent twice.

First Time

1-1) Transfer to the ROM writer.

Motorola-S Format

Receiving location address 00000000 Send/Receive buffer RAM start 00000000

Sending buffer RAM end Device capacity

1-2) Program on the ROM

Set program
Device Count
Device Start
Device Start
Buffer RAM Start
Data Type

16-bit series
4
00000000
00000000
BIGENDIAN

Second Time

2-1) Transfer to the ROM writer.

Motorola-S Format

Receiving location address 00080000
Send/Receive buffer RAM start 00000000
Sending buffer RAM end Device capacity

2-2) Program on the ROM

Set program
Device Count
Device Start
Device Start
Buffer RAM Start
Data Type

16-bit series
00000000

00000000
BIGENDIAN

When the buffer RAM capacity is 1MB, the RAM writing is as follows.

1MB can be sent during the first load.

OH~FFFFFH can be loaded.

Since the K200 is 1MB, it can be transferred all at once.



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First Time

1-1) Transfer to the ROM writer.

Motorola-S Format

Receiving location address 00000000 Send/Receive buffer RAM start 00000000

Sending buffer RAM end Device capacity

1-2) Program on the ROM

Set program
Device Count
Device Start
Device Start
Buffer RAM Start
Data Type
16-bit series
4
00000000
00000000
BIGENDIAN

Second Time

2-1) Transfer to the ROM writer.

Since 1MB can be sent the first time, this is not necessary.

2-2) Program on the ROM

Set program
Device Count
Device Start
Device Start
Buffer RAM Start
Data Type

16-bit series
4
00000000
00000000
BiGENDIAN

ROM locations (Top view of MBU)

(/
3-8 (3')	3-0 (4')
2-8 (1')	2-0 (2')
1-8 (3)	1-0 (4)
0-8 (1)	0-0 (2)

- () The number in the parentheses is the ROM writer socket number.
- ['] The second time is indicated.

The ROM part numbers start from 0-8.

(Ex: For the FAX7000L(US), 0-8:H0087260, 3-0:H0087267)



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Check Sum Chart

ROM location	0-8	0-0	1-8	1-0	2-8	2-0	3-8	3-0
Model								
K200USA	FC1E	EBE0	B88F	08B2	7AA0	C2F0	28D7	EC5E
K200GMN-R	451C	78BA	3FA2	C44F	7B14	4DA3	7C16	380B
K200G <m-k< td=""><td>4527</td><td>7967</td><td>3FA2</td><td>C44F</td><td>7B14</td><td>4DA3</td><td>7C16</td><td>380B</td></m-k<>	4527	7967	3FA2	C44F	7B14	4DA3	7C16	380B
K200ENG-R	1956	CB16	4E46	C3F4	799D	33A8	3EE5	6478
K200ENG-K	1D20	64B7	4FAF	D4A1	7830	1EBB	C591	854A
K200ITY-R	4A5D	5B24	416A	C54D	8882	683D	D331	E525
K200ITY-K	4A68	5BD1	416A	C54D	8882	683D	D331	E525
K200FRN-R	4A2A	3680	403B	9F7C	8900	DB80	6C4A	1B91
K200FRN-K	4A35	372D	403B	9F7C	8900	DB80	6C4A	1B91
K200UNV-R	196E	CB4C	4E46	C3F4	799A	3385	3EE5	6478
K200UNV-K	1D38	64ED	4FAF	D4A1	782D	1E98	C591	854A

R: Ricoh, K: Kalle (Infotec)

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RTB Correction

Reissue date: 30-Jun-98

The items in bold italic have been corrected or added.

Model: General			Dat	e: 15-Jan-98	No: 011 <i>c</i>
Subject: Year 20	00 Problem	Prepared by: Y.Okunishi			
From: QAC 2nd F	Field Information Dept.				
Classification:	☐ Troubleshooting ☐ Mechanical	☐ Part inf			n required ce manual revision
	☐ Paper path ☐ Other (Info only)	☐ Transm			fit information

Check Items

The following functions for which the clock timer is used were checked to see whether or not they will function correctly at 0:00 on Jan. 1, 2000.

- 1) Display and print of the date and time
 The year must be changed to 2000 or 00 from 1999 or 99 and the date must be kept
 correctly after the year 2000.
- Clock adjustment
 The date and time can be adjusted after the start of the year 2000.
- 3) Send later mode with memory and without memory
 The calling time must be the set time after the start of the year 2000.
- 4) Automatic re-transmission. When a communication error occurs, the machine calls the same destination again automatically after an interval. This must function correctly after the start of the year 2000.
- 5) Weekly timer and night timer
 The energy saver mode (heater) control must work correctly.
- 6) Displayed date after a power failure
 The correct date must be kept by the battery.

Models Checked

- 1) K50 series (FAX10, 20, 60, etc.)
- 2) K70 series (FAX90, 95, 105, etc.)
- 3) K90 series (FAX80, 85, 75, 86, etc.)
- 4) LE series (FAX08, 09, Phone fax for ATT, etc.)
- 5) B series (B1, RF810, FAX12, FAX300, etc.)
- 6) ZB series (FAX220, FAX240, Innfax, etc.)
- 7) BARBARA series (RF01, 02, 03, 05, 06, etc.)

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Model: General Date: 15-Jan-98 No: 011 C

- 8) OX series (FAX21, 22)
- 9) PF series (PF-1, PF-2)
- 10) A series (FAX500, 550, etc.)
- 11) B60 series (FAX170, 180, etc.)
- 12) K100 series (FAX1000L, 1010L, etc.)
- 13) K105 series (FAX4000L, etc.)
- 14) K200 series (FAX7000L, etc.)
- 15) KV series (FAX2800L, 1200L, etc.)
- 16) C series (FAX2500L,3000L, 3500L, 4500L, 5600L, etc.)
- 17) L80 (MV715)
- 18) I series (FAX800, 880, 680, MV74, etc.)
- 19) F\L series (FAX2700L, 3700L, 4700L, MV310, etc.)
- 20) FX7, LX7 (FAX1700L, MV106, FAX1750MP, etc.)
- 21) L20 series (Aficio FX10)
- 22) K10 series (FX120, Rapicom120, FX210/230, Rapicom210/230, etc.)
- 23) K20 series (FX5000, Rapicom5000, etc.)
- 24) K60 series (FAX610, Rapicom610, etc.)
- 25) K83 series (FAX830, Rapicom830, etc.)
- 26) FR4, FR6 (FAX4800L, FAX3800L, etc.)

Problem found

Most models, except the following models, will not experience any problems.

- 1) AFO (FAX 500/550/580, NRG 9620, Infotec 3301/3305, Nashua F492)
 - CSO (FAX 3000/3100/3200, NRG 9660/9661/9662, Omnifax L40/41, Savin FAX 3660/3620, Infotec 3660)
 - CS1 (FAX 3500L, NRG 9665, Omnifax L46, Savin FAX 3670)
 - CRO (FAX 2500L/2600L, NRG 9650, Omnifax L42, Savin FAX 3630, Infotec 3661)
 - a) The day of week, that appears on the display only in the clock adjustment mode, is returned back to SUNDAY whenever the clock adjustment is done after the start of the year 2000.
 - So, the programmed weekly timer does not work correctly. (AFO's do not have the weekly timer.)
 - If the clock adjustment is not done after the start of the year 2000, the date and the day of week is kept correctly.
 - b) Clock adjustment is available only for the year 91 through 99. The other years cannot be set. (Month, day and time can be adjusted.)

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Model: General Date: 15-Jan-98 No: 011 C

2) K200 (FAX7000L)

- a) Clock adjustment is available only for the years 88 through 99. The other years cannot be set. (Month, day, and time can be adjusted.)
- The send later mode does not function (no calling happens) if it passes the time into the year 2000.
 No report is printed. The message in the memory is not cleared automatically
 - No report is printed. The message in the memory is not cleared automatically but must be cleared by user operation.
- c) Automatic re-transmission is not done if the year 2000 starts in the interval after the transmission failure.
 - The message in the memory is not cleared automatically but must be cleared by user operation.
- d) The display year is returned back to 88 after a power failure after the start of the year 2000.
- 3) K60 series (FAX610, Rapicom610, Infotec6550) K83 series (FAX830, Rapicom830, Infotec6750)
 - a) The day of week is not displayed correctly after the start of the year 2000.
 - b) The send later mode does not function (calling at 0:00AM January 1st 2000).
 - c) The display year is returned back to 85 when the power fails after the start of the year 2000.

The other functions in these models work correctly.

Schedule for the countermeasure ROMs

- 1) AFO, CSO, CS1, CRO: In *April* 1998.
- 2) K200 (FAX7000L): In May 1998 (The corrected version will be in July 1998.)
- 3) K60, K83: A ROM will not be available.

RC	RE	ASIA	
*	*	*	

Technical Bulletin

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RTB Correction

Reissue date: 30-Jun-98

The items in bold italic have been correction or added.

Model: CSO, CRO, CS1, AFO, AF2, K200			Date: 31-May-98		No: Multi-008 <i>A</i>
Subject: ROMs for the year 2000 problem			Prepared by: Y. Okunishi		
From: QAC Field Information Dept.					
Classification:	☐ Troubleshooting ☐ Mechanical ☐ Paper path ☐ Other ()	⊠ Part inf □ Electric □ Transm	al	 ☐ Servi	n required ce manual revision ofit information

Attached please find the list of ROMs for the year 2000. (The list was updated.)

The ROM files have been saved in the Ricoh QAC server except for the K200 ROMs. (EP ROMs for the K200 will be prepared by the beginning of June.)

Note:

• Please refer to RTB nos. General 11 and 14 for details.

RC	RE	ASIA	
*	*	*	



Model: CSO, CRO, CS1, AFO, AF2, K200 Date: 31-May-98 No: Multi-008

ROMs for the year 2000

25-Jun-98

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Product	New ROM	Check	Model code	Model	Brand	Area	Note
Code	No.	sum					
CSO	H0817138	8552	H081-20	3000L	RICOH	US	2M ROM
			23	3200L			(1ROM/unit)
	Î		24	3100L			,
			21	9660	NRG		
			22	9661	1		
			26	3660	SAVIN		
			27	3620			
	H0817136A	77A7	25	2600L	RICOH	US	1
	H0817139E	3C77	28	L40	Omnifax	US	1
		00	29	L41			
	H0817124A	0772	40	3000L	RICOH	Europe	1
		- · · -	46	3000L	RICOH	Switzland	1
			60	9660	NRG	Europe	1
	H0817123A	0078	70	3000LF	RICOH	France	1
		33.3	80	3333_			
			90	9660F	NRG		
	H0817121A	FA57	30	3660	Infotec	Europe	
	H0817122A	D225	51	3000L	RICOH	Asia	
1100171227	1100171227	1001712271	59	9660	NRG		
			55	-	Ricoh	Korea	1
	H0817140M	859C	23	3000L	RICOH	Taiwan	
	H0817128B	E8C5	54	3000L	RICOH	China	1
	H0817159N	C3CE	H151-65•SW:H		Option	Europe	Language Kit
	11001710011	0002	H151-73(FRN:R		Орион	Laropo	Languago
			H151-83(FRN:G				
CS1	H5117150B	6A91	H511-20	3500L	RICOH	US	1
			21	9669	NRG		
			22	L46	Omnifax		
			27	3670	SAVIN		
CR0	H5107121B	23AB	H510-20	2500L	RICOH	US	1
- · -		-	21	9650	NRG		
			22	L42	Omnifax		
			27	3630	SAVIN		
	H5107120B	F5BF	30	3661	Infotec	Europe	1
			40	2500L	RICOH		
			60	9650	NRG		
	H5107123B	0E88	33	3661F	Infotec	France	1
		0_00	43	2500LF	RICOH		
			63	9650F	NRG		
	H5107132G	37F5	51	2500L	RICOH	Asia	1
	1.0.0, 1020	5	59	9650	NRG		
	H5107131B	23A3	53	2500L	RICOH	Taiwan	1
	1.01071010	20/10			1110011	Taiwall	_1



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Model: CSO, CRO, CS1, AFO, AF2, K200 Date: 31-May-98 No: Multi-008

AFO	H0847130K	D8D3	H084-20	500	RICOH	Taiwan]
	H0847140L	6B6A	44	500	RICOH	Europe]
	H0847142H	94D0	83	500	RICOH	France]
	H0847143L	350F	34	3301	Infotec	Europe]
	H0847141L	3F13	51	500	RICOH	Asia]
			56	500	RICOH	Vietnam	KD
	H0847150K	2A40	H151-46(FRN:R	ICOH)	Option	Europe	Language Kit
			H151-54(SW:HC	CS)]
AF1	H0857135B	FCDF	H085-54	580	RICOH	China	
AF2	H0867130K	9BDF	20	550	RICOH	US]
	H0867140L	3C35	44	550	RICOH	Europe	
			90	9620	NRG		
	H0867142H	583D	73	3305	Infotec	France]
			83	550	RICOH		
			93	9620	NRG]
	H0867143L	0CE0	34	3305	Infotec	Europe	
	H0867141L	DAD8	51	550	RICOH	Asia	
			59	9620	NRG	Asia]
	H0867131A	9BC3	53	550	RICOH	Taiwan]
	H0867150L	E725	H151-47(FRN:R	ICOH)	Option	Europe	Language Kit
			H151-55(SW:HCS)				
			H151-93(FRN:N	ASHUA)			

K200	H0087260J	FC1E	H008-20	7000L	RICOH	US	1M ROM
	H0087261J	EBE0					(8 ROMs/unit)
	H0087262J	B88F					
	H0087263J	08B2					
	H0087264J	7AA0					
	H0087265J	C2F0					
	H0087266J	28D7					
	H0087267J	CE5E					
	H0087270F	451C	30	7000L	RICOH	Germany	
	H0087271F	78BA					
	H0087272F	3FA2					
	H0087273F	C44F					
	H0087274F	7B14					
	H0087275F	4DA3					
	H0087276F	7C16					
	H0087277F	380B					
	H0087320F	4527	40	6765	Infotec	Germany	
	H0087321F	7967					
	H0087322F	3FA2					
	H0087323F	C44F					
	H0087324F	7B14					
	H0087325F	4DA3					
	H0087326F	7C16					
I	H0087327F	380B]



Model: CSO, CRO, CS1, AFO, AF2, K200

Technical Bulletin

Date: 31-May-98 No: Multi-008

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COH UK
fotec UK
COH Italy
fotec Italy
0011
COH France
fotec France
riance
COH Europe/Asia
LuioperAsia

Technical Bulletin

		I echnic	cal B ulle	etin		PAGE: 5/5
H008736	0H 1D38	34	6765	Infotec	Europe]
H008736	1H 64ED					
H008736	2H 4FAF					
H008736	3H D4A1					
H008736	4H 782D					
H008736	5H 1E98					
H008736	6H C591					
H008736	7H 854A					

END

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RTB Correction

Reissue date: 31-Jul-98

The items in bold italic have been correction or added.

Model: CSO, CRO, CS1, AFO, AF2, K200 Date				e: 31-May-98	No: Multi-008 <i>B</i>
Subject: ROM's for the year 2000				Prepared by: Y.C	Okunishi
From: QAC Field	Information Dept.				
Classification:	Troubleshooting	□ Part inf	orma	tion	n required
		☐ Electric	al	☐ Servi	ce manual revision
	☐ Paper path	Transm	it/rec	eive 🗌 Retro	fit information
	☐ Other ()				

(B): The attached ROM List has been corrected.

Attached please find the list of the ROM's for the year 2000 problem. (The list was updated.)

The ROM files have been saved in the Ricoh QAC server, except for the K200 ROMs. (EPROMs for the K200 will be prepared by the beginning of June.)

Note:

• Please refer to RTBs General 11 and 14 for details.

RC	RE	ASIA	
*	*	*	



Model: CSO, CRO, CS1, AFO, AF2, K200 Date: 31-May-98 No: Multi-008*B*

ROMs for the year 2000

25-Jun-98

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Product Code	New ROM No.	Check sum	Model cord	Model	Brand	Area	Note
CSO	H0817138	8552	H081-20	3000L	RICOH	US	2M ROM
		000_	23	3200L			(1ROM/unit)
			24	3100L			(**************************************
			21	9660	NRG		
			22	9661			
			26	3660	SAVIN		
			27	3620	• • • • • • • • • • • • • • • • • • • •		
							1
	H0817136A	77 A 7	25	2600L	RICOH	US	1
	H0817139E	3C77	28	L40 L41	Omnifax	US	j
			29	L41			
				•	<u> </u>		1
	H0817124A	0772	40	3000L	RICOH	Europe	1
				3000L			
			46	3000L	RICOH	Sv	vitzerland
			60	9660	NRG	Europe	
				,			_
	H0817123A	0078	70	3000LF	RICOH	France	7
	1100171207	0070	80	JUJULI	1110011	Tance	
			90	9660F	NRG		
			30	55001	itita		1
	H0817121A	FA57	30	3660	Infotec	Europe	-
	H0817122A	D225	51	3000L	RICOH	Asia	-
110017122A	110017122A	DZZS	59	9660	NRG	Asia	
			55		Ricoh	Korea	-
			33		Tilcon	ποισα	-
	H0817140M	859C	23	3000L	RICOH	Taiwan	-
	H0817128B	E8C5	54	3000L	RICOH	China	-
	H0817159N	C3CE	H151-65 (Option	Europe	Language Kit
	11001713314	OJOL		FRN:Ricoh)	Орион	Lurope	Language rat
				(FRN:GES)			
CS1	H5117150B	6A91	H511-20	3500L	RICOH	US	-
	1.0	0, 10 .	21	9669	NRG		
			22	L46	Omnifax		
			27	3670	SAVIN		
				3370	3/(111)		1
CR0	H5107121B	23AB	H510-20	2500L	RICOH	US	1
0.10		20,10	21	9650	NRG		
			22	L42	Omnifax		
			27	3630	SAVIN		
	1		21	0000	OAVIIV		†
	H5107120B	F5BF	30	3661	Infotec	Europe	1
	. 10 107 1200	. 001	40	2500L	RICOH	Latopo	
			60	9650	NRG		
			00	3030	INITIA		1
	H5107123B	0E88	33	3661F	Infotec	France	1
	11010/1200	UL00	43	2500LF		riance	
					RICOH		
	1		63	9650F	NRG		-
	1154074000	0755		05001	DIOCUI	Λ - '	-
	H5107132G	37F5	51	2500L	RICOH	Asia	
			59	9650	NRG		4
	1151051515						4
	H5107131B	23A3	53	2500L	RICOH	Taiwan	



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Model: CSO, CRO, CS1, AFO, AF2, K200 Date: 31-May-98 No: Multi-008*B*

AFO	H0847130K	D8D3	H084-20	500	RICOH	Taiwan]
1	H0847140L	6B6A	44	500	RICOH	Europe	
	H0847142H	94D0	83	500	RICOH	France	
	H0847143L	350F	34	3301	Infotec	Europe	
	H0847141L	3F13	51	500	RICOH	Asia	
	1100171112	0. 10	56	500	RICOH	Vietnam	KD
			00	000	1	Violitani	1.5
	H0847150K	2A40	H151-46(FRN:RICOH)	-	Option	Europe	Language Kit
			H151-54(SW:HCS)				
AF1	H0857135B	FCDF	H085-54	580	RICOH	China	
AF2	H0867130K	9BDF	20	550	RICOH	US	
	H0867140L	3C35	44	550	RICOH	Europe	
			90	9620	NRG		
	11000744011	500D	70	2225			
	H0867142H	583D	73	3305	Infotec	France	
			83	550	RICOH		
			93	9620	NRG		
	1100071401	0050	0.4	2205	lafataa	Гинана	
	H0867143L H0867141L	0CE0 DAD8	34 51	3305 550	Infotec RICOH	Europe	
	HU86/141L	DAD8	59	550	Nashua	Asia Asia	
			59		ivasiiua	Asia	
	H0867131A	9BC3	53	550	RICOH	Taiwan	
	H0867150L	E725	H151-47(FRN:RICOH),	330	Option	Europe	Language Kit
	110007 1002	L725	H151-55(SW:HCS), H151- 93(FRN:NASHUA)		Option	Ешторс	Language III
K200	H0087260J	FC1E	· '	7000L	RICOH	US	1M ROM (8
N200	H0087261J	E886	20	7000L	NICON	03	1M ROM (8 ROMs/unit)
	H0087262J	B88E					r (Olvis/uriit)
	H0087263J	084C					
	H0087264J	7ABF					
	H0087265J	C07F					
	H0087266J	29B0					
	H0087267J	F658					
	H0087270F	451C	30	7000L	RICOH	Germany	
	H0087271F	7566					
	H0087272F	3FA2					
	H0087273F	C2ED					
	H0087274F H0087275F	7A62 1C05					
	H0087276F	7D08					
	H0087277F	2830					
	H0087320F	4527	40	6765	Infotec	Germany	
	H0087321F	7613		0.00		G.G	
	H0087322F	3FA2					
	H0087323F	C2ED					
	H0087324F	7A62					
	H0087325F	1C05					
	H0087326F	7D08					
	H0087327F	2830					
	H0087280H	1956	41	7000L	RICOH	UK	
	H0087281H	C7BC					
	H0087282H	4E45					
	H0087283H H0087284H	C394 7A16					
	H0087285H	2A4E					
	H0087286H	3F82					
	H0087287H	56B3					
		5550	1				,



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Model: CSO, CRO, CS1, AFO, AF2, K200 Date: 31-May-98 No: Multi-008**B**

	H0087330H	1D20	31	6765	Infotec	UK]
	H0087331H	615D	0.	0.00		• • • • • • • • • • • • • • • • • • • •	
	H0087332H	4FAE					
	H0087333H	D441					
	H0087334H	78A7					
	H0087335H	1761					
	H0087336H	C62A					
	H0087337H	7B85					
	H0087290C	4A5D	42	7000L	RICOH	Italy	
	H0087291C	57CA					
	H0087292C	4169					
	H0087293C	C4EB					
	H0087294C	889D					
	H0087295C	69BC					
	H0087296C	D427					
	H0087297C	D12D					
	H0087340C	4A68	32	6765	Infotec	Italy	1
		4A66 5877	32	0/00	iiiiotec	italy	
	H0087341C						
	H0087342C	4169					
	H0087343C	CE4B					
	H0087344C	889D					
	H0087345C	69BC					
	H0087346C	D427					
	H0087347C	D12D					
	H0087300E	4A2A	43	7000L	RICOH	France	
	H0087301E	3326					
	H0087302E	403B					
	H0087303E	9E1A					
	H0087304E	8968					
	H0087305E	CC0C					
	H0087306E	6DF3					
	H0087307E	18D7					
-			00	0705	lofatas	Гионов	-
	H0087350E	4A35	33	6765	Infotec	France	
	H0087351E	33D3					
	H0087352E	403B					
	H0087353E	9E1A					
	H0087354E	8968					
	H0087355E	CC0C					
	H0087356E	6DF3					
	H0087357E	18D7					
	H0087310H	196E	44	7000L	RICOH	Eur	ope/Asia
	H0087311H	C7F2			- 311		•
	H0087312H	4E45					
	H0087313H	C394					
	H0087314H	7A13					
	H008731411	2A2B					
	H0087315H	3F82					
	H0087317H	56B3	2.1	0705	1.6.		
	H0087360H	1D38	34	6765	Infotec	Europe	
	H0087361H	6193					
	H0087362H	4FAE					
	H0087363H	D441					
	H0087364H	78A4					
	H0087365H	173E					
	H0087366H	C62A					
	H0087367H	7B85					
							1

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Reissued: 30-Apr-99

Model: General	Date: 15-Jan-99	No.: RGene011d
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RTB Correction

The items in bold italics have been corrected or added.

Subject: Year 20	00 Problem	Prepared by: Y. Okunishi	
From: Technical	Service Dept., GTS Division		
Classification:	☐ Troubleshooting ☐ Mechanical ☐ Paper path ☐ Other ()	Part informa Electrical Transmit/rec	Service manual revision

Check Items

The following functions for which the clock timer is used were checked to see whether or not they will function correctly at 0:00 on Jan. 1, 2000.

- 1) Display and printing of the date and time
 The year must be changed to 2000 or 00 from 1999 or 99 and the date must be kept correctly after the year 2000.
- Clock adjustment
 The date and time can be adjusted after the year 2000.
- 3) Send later mode with memory and without memory The calling must be made at the set time after the year 2000.
- 4) Automatic re-transmission. When a communication error occurs, the machine calls the same destination again automatically after an interval. This will function correctly after the year 2000.
- 5) Weekly timer and night timer
 The energy saver mode (fusing unit) control will work correctly.
- 6) Displayed date after a power failure
 The correct date will be kept by the battery.
- 7) Leap year

Machines must recognize the year 2000 as a leap year and the above 1) - 6) will function.

8) The year 2001

The above 1) - 6) will function in the year 2001.

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Date: 15-Jan-99

No.: RGene011d

PAGE: 2/4 Reissued: 30-Apr-99

Models Checked

Model: General

- 1) K50 series (FAX10, 20, 60, etc.)
- 2) K70 series (FAX90, 95, 105, etc.)
- 3) K90 series (FAX80, 85, 75, 86, etc.)
- LE series (FAX08, 09, Phone fax for ATT, etc.) 4)
- B series (B1, RF810, FAX12, FAX300, etc.) 5)
- 6) ZB series (FAX220, FAX240, Innfax, etc.)
- 7) BARBARA series (RF01, 02, 03, 05, 06, etc.)
- 8) OX series (FAX21, 22)
- 9) PF series (PF-1, PF-2)
- 10) A series (FAX500, 550, etc.)
- B60 series (FAX170, 180, etc.) 11)
- K100 series (FAX1000L, 1010L, etc.) 12)
- 13) K105 series (FAX4000L, etc.)
- 14) K200 series (FAX7000L, etc.)
- KV series (FAX2800L, 1200L, etc.) 15)
- 16) C series (FAX2500L,3000L, 3500L, 4500L, 5600L, etc.)
- 17) L80 (MV715)
- 18) I series (FAX800, 880, 680, MV74, etc.)
- 19) F\L series (FAX2700L, 3700L, 4700L, MV310, etc.)
- FX7, LX7 (FAX1700L, MV106, FAX1750MP, etc.) 20)
- 21) L20 series (Aficio FX10)
- 22) K10 series (FX120, Rapicom120, FX210/230, Rapicom210/230, etc.)
- 23) K20 series (FX5000, Rapicom5000, etc.)
- 24) K60 series (FAX610, Rapicom610, etc.)
- 25) K83 series (FAX830, Rapicom830, etc.)
- 26) FR4, FR6 (FAX4800L, FAX3800L, etc.)
- *27)* Schmidt 1(FAX2000L)
- 28) Schmidt 3

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Reissued: 30-Apr-99

Model: General Date: 15-Jan-99 No.: RGene011d

Problems found

Most models, except the following, will not experience any problems.

- 1) AFO (FAX 500/550/580, NRG 9620, Infotec 3301/3305, Nashua F492) CSO (FAX 3000/3100/3200, NRG 9660/9661/9662, Omnifax L40/41, Savin FAX 3660/3620, Infotec 3660)
 - CS1 (FAX 3500L,NRG 9665, Omnifax L46, Savin FAX 3670)

CRO (FAX 2500L/2600L, NRG 9650, Omnifax L42, Savin FAX 3630, Infotec 3661)

- a) The day of the week that appears on the display only in the clock adjustment mode is returned back to SUNDAY every time the clock adjustment is done after the year 2000.
 - So, the programmed weekly timer does not work correctly. (AFO does not have the weekly timer.)
 - If the clock adjustment is not done after the year 2000, the date and the day of week is kept correctly.
- b) Clock adjustment is available only for the year 91 through 99. The other years cannot be set. (Month, day and time can be adjusted.)

2) K200 (FAX7000L)

- a) Clock adjustment is available only for the years 88 through 99. The other years cannot be set. (Month, day and time can be adjusted.)
- b) The send later mode does not function (no calling happens) if time passes into the year 2000.
 - No report is printed and the rest of the message in the memory is not cleared automatically, but it is cleared by user operation.
- c) Automatic re-transmission is not done if the year 2000 starts in the interval after the transmission failure.
 - The rest of the message in the memory is not cleared automatically but it is cleared by user operation.
- d) The displayed date is reset and turned back to '88 in the event of a power failure after the year 2000.
- e) The day of the week will be wrong if the clock or date information is adjusted after the year 2000.

Model: General

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PAGE: 4/4 Reissued: 30-Apr-99

Date: 15-Jan-99

No.: RGene011d

- 3) K60 series (FAX610, Repicom610, Infortec6550) K83 series (FAX830, Repicom830, Infortec6750)
 - The day of the week is not displayed correctly after the year 2000. a)
 - The send later mode does not function (calling at 0:00AM January 1st 2000) b)
 - The display year is returned back to 85 when the power fails after the year c) 2000.

The other functions in these models work correctly.

Schedule of the countermeasure ROMs

- AFO, CSO, CS1, CRO: 1) In April 1998.
- K200(FAX7000L): 2) In May 1998. (Corrected version will be in July 1998.)
- K60, K83: 3)

The ROM will not be available.

RC	REBV	ASIA	
*	*	*	