RICOH   Technical Bulletin

Model: Russian-C	Date: 15-Dec-99	No.: RA265001

Subject: Quick dial problem	Prepared by: K. Miura
From: Technical Services Dept., GTS Division	

Classification:	☒ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Other ( )		

SYMPTOM

In cases where the country code has been changed to France (00), the following error is displayed as soon as the quick dial key is selected:
"This destination is not available. Please check FAX number".

CAUSE

The communication switch 06 bit 4 mode is a carryover from the previous model and is not used in the Russian-C1. However, the software activates the mode by changing the value from 0 to 1 when the country code is changed to 00. For modes that are carried over but not meant to be used, the software will normally not do this.

SOLUTION

After changing the country code to France (00) at installation, communication switch 06 bit 04 should be disabled by changing the value from 1 to 0.

As a permanent solution, a modified version (ver. 13.04) of the software has been released.

Model: Russian-C Fax Option	Date: 31-Dec-99	No.: RA895001a

RTB Correction
The items in bold italics have been corrected/added.

Subject: ROM History (Russian-C Fax Option)		Prepared by: M.Mano
From: Technical Services Dept., GTS Division		

Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☒ Retrofit information
	☐ Other ( )		

Firmware history for the Russian-C Fax Option.
- USA Model -

A2685582	File No. (A268Uxxx)	Version	C.SUM	Production
B	002	10.03	48D4	1st Mass Prod.
C	**003**	**13.03**	**AE2E**	**December Prod. '99**

- European Model -

A2685584	File No. (A268Exxx)	Version	C.SUM	Production
C	103	10.03	2512	1st Mass Prod.
D	104	12.01	35B2	November Prod. '99
E	105	13.03	A88A	December Prod. '99
F	106	13.04	1EDA	December Prod. '99
G	**107**	**16.01**	**4C32**	**February Prod. '00**

- European 2nd Language -

A2685585	File No. (A268Exxx)	Version	
	200	12.01	E0B4
A	201	13.03	0136
B	202	13.04	3C64
C	**203**	**16.01**	**9112**

- European 3rd Language -

A2685586	File No. (A268Exxx)	Version	C.SUM
	300	12.01	BD3B
A	301	13.03	7265
B	302	13.04	EA5A
C	**303**	**16.01**	**B4B1**

- Asia Version -

A2685587	File No. (A268Axxx)	Version	C.SUM	Production
	000	10.03	87BE	1st Mass Prod.
A	001	13.03	34AB	December Prod. '99
B	**002**	**13.05**	**8163**	**February Prod. '99**

| Model: Russian-C Fax Option | Date: 31-Dec-99 | No.: RA895001a |

Symptom Corrected	USA	EU	EU2	EU3	Asia/ TWN
The PC Fax Expander is not recognized (only for the Asia version).	-	-	-	-	B
A ghost image may appear on the left of the page in JBIG direct transmission mode during dual operation. ***(The page width data is sometimes not received before making the page.)***	-	G	C	C	-
For CTR21 approval, the unique dialing requirements (Communication switch 06) are not used and their defaults were changed from "Enabled" to "Disabled". Also, the G4 country code in France was changed from 00 to 02 (UK).	-	G	C	C	-
When using the Create Margin Transmission function and the rear side image needs to be rotated 180 degrees, the margin for the rear side is placed on the right (instead of the left).	-	G	C	C	-
Quick Dial does not work when the country code is set to France. If this problem occurs with old firmware, please change communication switch 06 – bit 4 from 1 to 0.	-	F	B	B	-
Conditions for printing (Scan Router): This determines whether or not the machine will print out the incoming fax when transmission is made to a Scan Router Professional Station. **User Parameter switch 31 bit 2** **0:** Document not printed **1:** Document will be printed	C	E	A	A	-
The German wording is wrong. 1.G3 Auto Sel. -> G3 Autom.Wahl 2.Etikett einf•gen:progr.Wert -> Anw.-einf•gen:progr.Name 3.Etik.einf.:AUS -> Name einf.:AUS 4.Anw.-Progr. Hauptmen -> Anw.-Progr.Hauptmen•	-	D	A	A	-
When the received CSI has only space data, it is ignored by this version of the firmware.	B	C	A	A	" "
Line Error Marks on the received page: A mark will be printed on the left edge of the page anywhere a line error has occurred in the data, if the following bit is enabled. **System switch 00 bit 4** **0:** Disabled **1:** Enabled	B	C	A	A	" "

Table embedded within the CTR21 row:

Country Code	Comm SW06	G3 SW0B	G4i SW00
Germany	*bit 0 :0*	*bit 2 :0*	*-*
Austria	*bit 1 :0*	*-*	*-*
Denmark	*bit 3 :0*	*-*	*-*
France	*-*	*bit 5 :0*	*00000010*
Switzerland	*bit 5 :0*	*-*	*-*

Reissued: 29-Feb-00

Model: Russian-C Fax Option	Date: 31-Dec-99	No.: RA895001a

Symptom Corrected	USA	EU	EU2	EU3	Asia/ TWN

In order to ensure that the NSF/DIS signals (from the machine that is to receive the facsimile) will successfully be received by the sender, the transmission duration of these signals can now be extended as follows:
G3 switch 0F
Bit 3 Bit 2   Settings
  0   0   32 seconds
  0   1   40 seconds
  1   0   50 seconds
  1   1   60 seconds
	B	C	A	A	" "

Model: Russian-C Fax Option	Date: 31-Dec-99	No.: RA895001a

A2685582	A895-01
C	*H3491200001* ~

A2685584	A895-02
D	H3491003837~
E	H3491202306 ~
F	H3491202306 ~
G	*TBA*

A2685585	A895-02
A	H3491202306 ~
B	H3491202306 ~
C	*TBA*

A2685586	A895-02
A	H3491202306 ~
B	H3491202306 ~
C	*TBA*

A2685587	A895-03
A	H3491202496 ~
B	*H3400201122* ~

Model: Russian-C (Fax Option)	Date: 28-Apr-00	No.: RA265009

Number Correction, RTB Correction

The bulletin number has been corrected. (RA895001 → RA265009)
The items in bold italics have been corrected or added.

Subject: ROM History (Russian-C Fax Option)	Prepared by: M.Mano
From: Technical Services Dept., GTS Division	

Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☒ Retrofit information
	☐ Other ( )		

Firmware history for the Russian-C Fax Option
USA Model

A2685582	File No. (A268Uxxx)	Version	C.SUM	Production
B	002	10.03	48D4	1st Mass Prod.
C	003	13.03	AE2E	December Prod. '99

European Model

A2685584	File No. (A268Exxx)	Version	C.SUM	Production
C	103	10.03	2512	1st Mass Prod.
D	104	12.01	35B2	November Prod. '99
E	105	13.03	A88A	December Prod. '99
F	106	13.04	1EDA	December Prod. '99
G	107	16.01	4C32	February Prod. '00
H	*108*	*18.00*	*BE30*	*April Prod. '00*

European 2nd Language

A2685585	File No. (A268Exxx)	Version	
	200	12.01	E0B4
A	201	13.03	0136
B	202	13.04	3C64
C	203	16.01	9112
D	*204*	*18.00*	*8720*

European 3rd Language

A2685586	File No. (A268Exxx)	Version	C.SUM
	300	12.01	BD3B
A	301	13.03	7265
B	302	13.04	EA5A
C	303	16.01	B4B1
D	*304*	*18.00*	*AAE2*

Asia Version

A2685587	File No. (A268Axxx)	Version	C.SUM	Production
	000	10.03	87BE	1st Mass Prod.
A	001	13.03	34AB	December Prod. '99
B	002	13.05	8163	February Prod. '00
C	*003*	*17.02*	*5C77*	*April Prod. '00*
D	*004*	*18.00*	*B27D*	*April Prod. '00*

| Model: Russian-C (Fax Option) | Date: 28-Apr-00 | No.: RA265009 |

Symptom Corrected (for older corrections, see previous RTBs)	USA	EU	EU2	EU3	Asia/ TWN
When sending an original wider than the maximum paper width of the receiving machine (Auto-Reduction OFF / JBIG compression), the machine cuts the image to the smaller size but sends the left most area of the image instead of the central area. *The symptom occurs only when the following software is used:* 　*European model:　　　　A2685584C (ver. 16.01)* 　*European 2nd language:　A2685585C (ver. 16.01)* 　*European 3rd language:　A2685586C (ver. 16.01)* 　*Asian model:　　　　　A2685587D (ver. 17.02)*	-	*H*	*D*	*D*	*D*
Even though the following bit switch settings should disable the File Retention function, the machine retains files for 24 hours: 　*User Parameter switch 24 (swusr_18):* 　　*(bit 1, bit 0) = (1, 0)*	-	*H*	*D*	*D*	*D*
When bit 4 of Communication switch 07 is 1 (Fallback from G4 to G3 when G4 communication fails on the ISDN B-channel is enabled) and a G4 communication error occurs on the ISDN B-channel (ADF mode), the machine falls back to G3 and resumes transmission from the second page. This is because the first page has already fed out from the ADF.	-	*H*	*D*	*D*	*C*
The PTT approval for Hungary has been passed. *The following country code will be added for Hungary:* *22H (34)*	-	*H*	*D*	*D*	-
The following Chinese characters have been corrected for the KANTAI display language: 　前頁 ＞ 上一頁 　次頁 ＞ 下一頁	-	-	-	-	*C*
When using the Create Margin Transmission function and the rear side image needs to be rotated 180 degrees, the margin for the rear side is placed on the right (instead of the left).	-	G	C	C	*C*
A ghost image may appear on the left of the page in JBIG direct transmission mode during dual operation. *(The page width data is occasionally not received before making the page.)*	-	G	C	C	*C*

Model: Russian-C (Fax Option)	Date: 28-Apr-00	No.: RA265009

A2685582	A895-01
C	H3491200001 ~

A2685584	A895-02
D	H3491003837~
E	H3491202306 ~
F	H3491202306 ~
G	*H3400200728 ~*
H	*TBA*

A2685585	A895-02
A	H3491202306 ~
B	H3491202306 ~
C	*H3400200728 ~*
D	*TBA*

A2685586	A895-02
A	H3491202306 ~
B	H3491202306 ~
C	*H3400200728 ~*
D	*TBA*

A2685587	A895-03
A	H3491202496 ~
B	H3400201122 ~
C	*H3400404851 ~*
D	*TBA*

Model: Russian-C (Fax Option)	Date: 28-Apr-00	No.: RA265010

Subject: V34 Modem ROM History (Russian-C SG3 Option)	Prepared by: M.Mano
From: Technical Services Dept., GTS Division	

Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☒ Retrofit information
	☐ Other ( )		

Firmware history for the Russian-C SG3-V34 option.

A8955590	Version	C.SUM	Production
" "	0331	6D4C	1st Mass Prod.
A	*0334*	*885E*	*February Prod. '00*

Symptom Corrected	Version
A communication error occurs when the modem data is erased by a loader malfunction. *The malfunction is caused by a buildup of static electricity.* *Note: * Panasonic modem only.* * * The loader is a function normally contained in the modem software that allows it to be overwritten to a newer version.* *To prevent this error, the manufacturer has removed the loader function from ROM version 0334.* *This function was also removed because the manufacturer does not intend to release any versions after 0334, as it has judged that the need will not arise in the field.* *As a result, customers who use an SG3 option with ver.0334 will need a technician to install a new SG3 board to update to the next version (if released).*	*A*

Model: Russian-C (Fax Option)	Date: 08-May-00	No.: RA265011

Subject: CTR21 Requirements		Prepared by: M.Mano
From: Technical Services Dept., GTS Division		
Classification:	☐ Troubleshooting ☐ Part information ☐ Action required ☐ Mechanical ☐ Electrical ☐ Service manual revision ☐ Paper path ☐ Transmit/receive ☒ Retrofit information ☐ Other ( )	

For European models, the following parameters <u>should not be changed from their default settings in the field</u>.

REASON: The default values for these parameters have been approved by CTR21 and/or EG201121. Therefore, a change in any one of these values would constitute a violation of these requirements.

Bit Switches

Parameters	Descriptions
Communication switch 10	Memory transmission: Maximum number of dialing attempts to the same destination.
Communication switch 12	Memory transmission: Interval between dialing attempts to the same destination.

Model: Russian-C (Fax Option)	Date: 08-May-00	No.: RA265011

RAM Addresses for Standard G3

Parameters	Descriptions
RAM Address: 680404	PSTN dial tone frequency upper limit (high byte)
RAM Address: 680405	PSTN dial tone frequency upper limit (low byte)
RAM Address: 680406	PSTN dial tone frequency lower limit (high byte)
RAM Address: 680407	PSTN dial tone frequency lower limit (low byte)
RAM Address: 680408	PSTN dial tone detection time
RAM Address: 680409	PSTN dial tone reset time (LOW)
RAM Address: 68040A	PSTN dial tone reset time (HIGH)
RAM Address: 68040B	PSTN dial tone continuous tone time
RAM Address: 68040C	PSTN dial tone permissible drop time
RAM Address: 68040D	PSTN wait interval (LOW)
RAM Address: 68040E	PSTN wait interval (HIGH)
RAM Address: 68044A	Time between opening or closing the DO relay and opening the OHDI relay
RAM Address: 68044B	Break time for pulse dialing
RAM Address: 68044C	Make time for pulse dialing
RAM Address: 68044D	Time between final OHDI relay closure and DO relay opening or closing
RAM Address: 68044E	Minimum pause between dialed digits (pulse dial mode)
RAM Address: 68044F	Time waited when a pause is entered at the operation panel
RAM Address: 680450	DTMF tone on time
RAM Address: 680451	DTMF tone off time
RAM Address: 680452	Tone attenuation level of DTMF signals while dialing
RAM Address: 680453	Tone attenuation value difference between high frequency tone and low frequency tone in DTMF signals
RAM Address: 680472	Acceptable ringing signal frequency: range1, upper limit
RAM Address: 680473	Acceptable ringing signal frequency: range1, lower limit
RAM Address: 680474	Acceptable ringing signal frequency: range2, upper limit
RAM Address: 680475	Acceptable ringing signal frequency: range2, lower limit
RAM Address: 680476	Number of rings until a call is detected
RAM Address: 680477	Minimum required length of the first ring
RAM Address: 680478	Minimum required length of the second and subsequent rings
RAM Address: 680479	Ringing signal detection reset time (LOW)
RAM Address: 68047A	Ringing signal detection reset time (HIGH)
RAM Address: 6804B4	PSTN: Tx level from the modem
RAM Address: 6804DA	T.30 T1 timer

RAM Addresses for Optional G3

Parameters	Descriptions
RAM Address: 680504	PSTN dial tone frequency upper limit (high byte)
RAM Address: 680505	PSTN dial tone frequency upper limit (low byte)
RAM Address: 680506	PSTN dial tone frequency lower limit (high byte)
RAM Address: 680507	PSTN dial tone frequency lower limit (low byte)
RAM Address: 680508	PSTN dial tone detection time
RAM Address: 680509	PSTN dial tone reset time (LOW)
RAM Address: 68050A	PSTN dial tone reset time (HIGH)
RAM Address: 68050B	PSTN dial tone continuous tone time
RAM Address: 68050C	PSTN dial tone permissible drop time
RAM Address: 68050D	PSTN wait interval (LOW)
RAM Address: 68050E	PSTN wait interval (HIGH)
RAM Address: 68054A	Time between opening or closing the DO relay and opening the OHDI relay
RAM Address: 68054B	Break time for pulse dialing
RAM Address: 68054C	Make time for pulse dialing
RAM Address: 68054D	Time between final OHDI relay closure and DO relay opening or closing
RAM Address: 68054E	Minimum pause between dialed digits (pulse dial mode)
RAM Address: 68054F	Time waited when a pause is entered at the operation panel
RAM Address: 680550	DTMF tone on time
RAM Address: 680551	DTMF tone off time
RAM Address: 680552	Tone attenuation level of DTMF signals while dialing
RAM Address: 680553	Tone attenuation value difference between high frequency tone and low frequency tone in DTMF signals
RAM Address: 680572	Acceptable ringing signal frequency: range1, upper limit
RAM Address: 680573	Acceptable ringing signal frequency: range1, lower limit
RAM Address: 680574	Acceptable ringing signal frequency: range2, upper limit
RAM Address: 680575	Acceptable ringing signal frequency: range2, lower limit
RAM Address: 680576	Number of rings until a call is detected
RAM Address: 680577	Minimum required length of the first ring
RAM Address: 680578	Minimum required length of the second and subsequent rings
RAM Address: 680579	Ringing signal detection reset time (LOW)
RAM Address: 68057A	Ringing signal detection reset time (HIGH)
RAM Address: 6805B4	PSTN: Tx level from the modem
RAM Address: 6805DA	T.30 T1 timer

Model: Russian-C (Fax Option)	Date: 10-Jul-00	No.: RA265016

Subject: Manual Correction - LCT Paper Feed Selection	Prepared by: M. Mano
From: Technical Services Dept., GTS Division	

Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☒ Retrofit information
	☐ Other ( )		

This RTB explains two Service Manual corrections and the solution to a related symptom.

■ **Please correct your Service Manuals as follows:**

1. 6800CF(H) - User Parameter SW 15 (SWUSR_0F) bits 0, 1 and 2, page 4-87:
The setting option labeled as "1 0 1 LCT" was mistakenly included. This should be
<u>deleted</u>.

2. Printer Switch 02, page 4-37:
LCT Usage for fax printing (bit 4) was also a misprint. Bit 4 should be 'Not used' (the same as bits 5 to 7). In addition, bit 2 should read as follows:

Old:

Bit No	FUNCTION
2	3rd paper feed station usage for fax printing **0:** Enabled **1:** Disabled

New:

Bit No	FUNCTION
2	3rd paper feed station usage for fax printing **(includes LCT)** **0:** Enabled **1:** Disabled

These corrections are necessary because the option installed just under the mainframe (LCT or Paper Feed Tray 1) is always recognized as Tray 3. Therefore, to enable or disable fax printout with these switches, Tray 3 must be selected.

■ **Related symptom and solution:**

Symptom:
Paper feed from the LCT is not possible with the fax application even if the LCT is selected for fax printout with User Parameter SW 15 (SWUSR_0F), page 4-87.

Solution:
As described above, select Tray 3 to enable fax printout from the LCT.

RICOH   Technical Bulletin

Reissued: 25-Aug-00

Model: Russian-C	Date: 28-Apr-00	No.: RA265009a

RTB Correction
The items in bold italics have been corrected or added.

Subject: ROM History (Russian-C Fax Option)	Prepared by: M.Mano
From: Technical Services Dept., GTS Division	

Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☒ Retrofit information
	☐ Other ( )		

Firmware history for the Russian-C Fax Option
USA Model

A2685582	File No. (A268Uxxx)	Version	C.SUM	Production
B	002	10.03	48D4	1st Mass Prod.
C	003	13.03	AE2E	December Prod. '99
D	*004*	*21.00*	*FFEE*	*August Prod. '00*

European Model

A2685584	File No. (A268Exxx)	Version	C.SUM	Production
C	103	10.03	2512	1st Mass Prod.
D	104	12.01	35B2	November Prod. '99
E	105	13.03	A88A	December Prod. '99
F	106	13.04	1EDA	December Prod. '99
G	107	16.01	4C32	February Prod. '00
H	108	18.00	BE30	April Prod. '00

European 2nd Language

A2685585	File No. (A268Exxx)	Version	
	200	12.01	E0B4
A	201	13.03	0136
B	202	13.04	3C64
C	203	16.01	9112
D	204	18.00	8720

European 3rd Language

A2685586	File No. (A268Exxx)	Version	C.SUM
	300	12.01	BD3B
A	301	13.03	7265
B	302	13.04	EA5A
C	303	16.01	B4B1
D	304	18.00	AAE2

Model: Russian-C	Date: 28-Apr-00	No.: RA265009a

Asia Version

A2685587	File No. (A268Axxx)	Version	C.SUM	Production
	000	10.03	87BE	1st Mass Prod.
A	001	13.03	34AB	December Prod. '99
B	002	13.05	8163	February Prod. '00
C	003	17.02	5C77	April Prod. '00
D	004	18.00	B27D	April Prod. '00

RICOH   Technical Bulletin

PAGE: 3/4

Reissued: 25-Aug-00

Model: Russian-C	Date: 28-Apr-00	No.: RA265009a

Symptom Corrected (new symptoms only - for older ones, see the older bulletins)	USA	EU	EU2	EU3	Asia/ TWN
The ICB-1 functions are available.	*D*	-	-	-	-
When the use of the PSTN-2 line is changed to Rx only, the settings for PSTN-2 cannot be changed.	*D*	-	-	-	-
The machine displays the clock for 12:xx as 0:xx	*D*	-	-	-	-
When a value more than 20H is input for the incoming signal detection level (RAM address 6804BD), the minimum signal strength decreases. **** The maximum value for this address is 1FH.***	*D*	-	-	-	-
Even though the following bit switch settings should disable the File Retention function, the machine retains files for 24 hours: **User Parameter switch 24 (swusr_18):** **(bit1, bit0) = (1, 0)**	*D*	H	D	D	D
When using the Create Margin Transmission function and the rear side image needs to be rotated 180 degrees, the margin for the rear side is placed on the right (instead of the left).	*D*	G	C	C	C
A ghost image may appear on the left of the page in JBIG direct transmission mode during dual operation. **(The page width data is occasionally not received before making the page.)**	*D*	G	C	C	C

Model: Russian-C	Date: 28-Apr-00	No.: RA265009a

A2685582	A895-01
C	H3491200001 ~
D	**TBA**

A2685584	A895-02
D	H3491003837~
E	H3491202306 ~
F	H3491202306 ~
G	H3400200728 ~
H	**H3400400875 ~**

A2685585	A895-02
A	H3491202306 ~
B	H3491202306 ~
C	H3400200728 ~
D	**H3400400875 ~**

A2685586	A895-02
A	H3491202306 ~
B	H3491202306 ~
C	H3400200728 ~
D	**H3400400875 ~**

A2685587	A895-03
A	H3491202496 ~
B	H3400201122 ~
C	H3400404851 ~
D	**H3400404858 ~**

Reissued: 27-Sep-00

Model: Russian-C	Date: 28-Apr-00	No.: RA265009b

RTB Correction

The items in bold italics have been corrected or added.

Subject: ROM History (Russian-C Fax Option)	Prepared by: M. Mano
From: Technical Services Dept., GTS Division	

Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☒ Retrofit information
	☐ Other ( )		

Firmware history for the Russian-C Fax Option

USA Model

A2685582	File No. (A268Uxxx)	Version	C.SUM	Production
B	002	10.03	48D4	1st Mass Prod.
C	003	13.03	AE2E	December Prod. '99
D	004	21.00	FFEE	August Prod. '00

European Model

A2685584	File No. (A268Exxx)	Version	C.SUM	Production
C	103	10.03	2512	1st Mass Prod.
D	104	12.01	35B2	November Prod. '99
E	105	13.03	A88A	December Prod. '99
F	106	13.04	1EDA	December Prod. '99
G	107	16.01	4C32	February Prod. '00
H	108	18.00	BE30	April Prod. '00
J	*109*	*22.00*	*29AF*	*September Prod. '00*

European 2nd Language

A2685585	File No. (A268Exxx)	Version	C.SUM
	200	12.01	E0B4
A	201	13.03	0136
B	202	13.04	3C64
C	203	16.01	9112
D	204	18.00	8720
E	*205*	*22.00*	*9616*

European 3rd Language

A2685586	File No. (A268Exxx)	Version	C.SUM
	300	12.01	BD3B
A	301	13.03	7265
B	302	13.04	EA5A
C	303	16.01	B4B1
D	304	18.00	AAE2
E	*305*	*22.00*	*039C*

Reissued: 27-Sep-00

Model: Russian-C		Date: 28-Apr-00	No.: RA265009b

Asia Version

A2685587	File No. (A268Axxx)	Version	C.SUM	Production
	000	10.03	87BE	1st Mass Prod.
A	001	13.03	34AB	December Prod. '99
B	002	13.05	8163	February Prod. '00
C	003	17.02	5C77	April Prod. '00
D	004	18.00	B27D	April Prod. '00

Reissued: 27-Sep-00

Model: Russian-C	Date: 28-Apr-00	No.: RA265009b

Symptom Corrected	USA	EU	EU2	EU3	Asia/ TWN
When the use of the PSTN-2 line is changed to Rx only, the setting of PSTN-2 cannot be changed.	D	*J*	*E*	*E*	-
When over 20H is input for the incoming signal detection level (RAM address 6804BD), the minimum signal strength decreases. *The maximum value for this address is 1FH.*	D	*J*	*E*	*E*	-

A2685582	A895-01
C	H3491200001 ~
D	TBA

A2685584	A895-02
D	H3491003837~
E	H3491202306 ~
F	H3491202306 ~
G	H3400200728 ~
H	H3400400875 ~
J	*TBA*

A2685585	A895-02
A	H3491202306 ~
B	H3491202306 ~
C	H3400200728 ~
D	H3400400875 ~
E	*TBA*

A2685586	A895-02
A	H3491202306 ~
B	H3491202306 ~
C	H3400200728 ~
D	H3400400875 ~
E	*TBA*

A2685587	A895-03
A	H3491202496 ~
B	H3400201122 ~
C	H3400404851 ~
D	H3400404858 ~

Model: Russian-C1	Date: 27-Sep-00	No.: RA265017

Subject: V34 ROM History (Russian-C SG3 Option)	Prepared by: M. Mano
From: Technical Services Dept., GTS Division	

Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☒ Retrofit information
	☐ Other ( )		

Firmware history for the Russian-C SG3-V34 option

A8955580	Version	C.SUM	Production
A	16	FE38	1st Mass Prod.
B	**18**	**719C**	**April Prod. '00**

Symptom Corrected	Version
The PTT approval for Hungary has been passed. **The following country code will be added for Hungary:** **22H (34)**	**B**
When over 20H is input for the incoming signal detection level (RAM address 6805BD), the minimum signal strength decreases. **The maximum value for this address is 1FH.**	**B**

Reissued: 23-Oct-00

Model: Russian-C	Date: 28-Apr-00	No.: RA265009c

RTB Correction

The items in bold italics have been corrected.

Subject: ROM History (Russian-C Fax Option)	Prepared by: M. Mano
From: Technical Services Dept., GTS Division	

Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☒ Retrofit information
	☐ Other ( )		

Firmware history for the Russian-C Fax Option

- USA Model -

A2685582	File No. (A268Uxxx)	Version	C.SUM	Production
B	002	10.03	48D4	1st Mass Prod.
C	003	13.03	AE2E	December Prod. '99
D	004	21.00	FFEE	August Prod. '00

- European Model -

A2685584	File No. (A268Exxx)	Version	C.SUM	Production
C	103	10.03	2512	1st Mass Prod.
D	104	12.01	35B2	November Prod. '99
E	105	13.03	A88A	December Prod. '99
F	106	13.04	1EDA	December Prod. '99
G	107	16.01	4C32	February Prod. '00
H	108	18.00	BE30	April Prod. '00
J	109	22.00	*D0EA*	September Prod. '00

- European 2nd Language -

A2685585	File No. (A268Exxx)	Version	C.SUM
	200	12.01	E0B4
A	201	13.03	0136
B	202	13.04	3C64
C	203	16.01	9112
D	204	18.00	8720
E	205	22.00	*0496*

- European 3rd Language -

A2685586	File No. (A268Exxx)	Version	C.SUM
	300	12.01	BD3B
A	301	13.03	7265
B	302	13.04	EA5A
C	303	16.01	B4B1
D	304	18.00	AAE2
E	305	22.00	*A262*

Model: Russian-C	Date: 28-Apr-00	No.: RA265009c

- Asia Version -

A2685587	File No. (A268Axxx)	Version	C.SUM	Production
	000	10.03	87BE	1st Mass Prod.
A	001	13.03	34AB	December Prod. '99
B	002	13.05	8163	February Prod. '00
C	003	17.02	5C77	April Prod. '00
D	004	18.00	B27D	April Prod. '00

Reissued: 23-Oct-00

Model: Russian-C	Date: 28-Apr-00	No.: RA265009c

Symptom Corrected Nothing New – Only the Checksums etc on p 1 and p 2 were changed	USA	EU	EU2	EU3	Asia/ TWN
ICB-1 function is available.	D	-	-	-	-
When the use of the PSTN-2 line is changed to Rx only, the setting of PSTN-2 cannot be changed.	D	J	E	E	-
The machine displays the clock for 12:xx as 0:xx	D	-	-	-	-
When over 20H is input for the Incoming signal detection level (RAM address 6804BD), the minimum signal strength decreases. * Maximum value for this address is 1FH.	D	J	E	E	-

When sending an original wider than the maximum paper width of the receiving machine (Auto-Reduction OFF / JBIG compression), the machine cuts the image to the smaller size but sends the left most area of the image instead of the central area. The symptom occurs only when the following software is used:
  European model: A2685584C (ver. 16.01)
  European 2nd language: A2685585C (ver. 16.01)
  European 3rd language: A2685586C (ver. 16.01)
  Asian model: A2685587D (ver. 17.02)
	-	H	D	D	D

Even though the following bit switch settings should disable the File Retention function, the machine retains files for 24 hours:
  User Parameter switch 24 (swusr_18):
    (bit1, bit0) = (1, 0)
	D	H	D	D	D

When bit 4 of Communiation switch07 is 1 (Fallback from G4 to G3 when G4 communication fails on the ISDN B-channel is enabled) and G4 communication error occurs on the ISDN B-channel (ADF mode), the machine falls back to G3 and resumes transmission from the second page. This is because the first page has already exited from the ADF.	-	H	D	D	C
The PTT approbal for Hangary has been passed. The following country code will be added for Hangary: 22H (34)	-	H	D	D	-

The following Chinese characters have been corrected for the KANTAI display language:
  前頁 ＞ 上一頁
  次頁 ＞ 下一頁
	-	-	-	-	C

When using the Create Margin Transmission function and the rear side image needs to be rotated 180 degrees, the margin for the rear side is placed on the right (instead of the left).	D	G	C	C	C
The ghost image may appear on the left of the page in JBIG direct transmission mode during the dual operation. (The page width data is rarely not received before making the page.)	D	G	C	C	C
PC Fax Expander is not recognized (only for Asia version).	-	-	-	-	B

Model: Russian-C	Date: 28-Apr-00	No.: RA265009c

Symptom Corrected	USA	EU	EU2	EU3	Asia/ TWN
For CTR21 approval, the unique dialing requirement (Communication SW06) are not used and their default setting were changed from "Enabled" to "Disabled". And G4 country code in France has been changed from 00 to 02 (UK).	-	G	C	C	-
Quick Dial is not working when the country code is set to France. If this problem occurs on old firmware, please change the COM SW06 - bit4 from 1 to 0.	-	F	B	B	-

Conditions for printing (Scan Router): It determines whether or not the machine will print out the incomoing fax when transmission is made to the Scan Router Professional Station.
    User Parameter switch31 bit2
        0: Document not printed   1: Document will be printed
	C	E	A	A	-

The German wording is wrong.
    1.G3 Auto Sel. -> G3 Autom.Wahl
    2.Etikett einf•gen:progr.Wert -> Anw.-einf•gen:progr.Name
    3.Etik.einf.:AUS -> Name einf.:AUS
    4.Anw.-Progr. Hauptmen -> Anw.-Progr.Hauptmen•
	-	D	A	A	-

When the received CSI have only space data, it is ignored by this version firmware.	B	C	A	A	" "

Line Error Marks on received page: A mark will be printed on the left edge of the page anywhere a line error has occurred in the data if following bit is enabled.
    System switch00 bit4
        0: Disabled   1: Enabled
	B	C	A	A	" "

In order to ensure that the NSF/DIS signals (from the machine that is to receive the facsimile) will successfully be received by the sender, the transmission duration of these signals can now be extended as follows: G3 switch0F	B	C	A	A	" "

Within the first symptom row, the following table appears:

Country Code	Comm SW06	G3 SW0B	G4i SW00
Germany	bit 0 :0	bit 2 :0	-
Austria	bit 1 :0	-	-
Denmark	bit 3 :0	-	-
France	-	bit 5 :0	00000010
Switzerland	bit 5 :0	-	-

Within the last symptom row, the following table appears:

Bit 3	Bit 2	Settings
0	0	32 sec
0	1	40 sec
1	0	50 sec
1	1	60 sec

Model: Russian-C	Date: 28-Apr-00	No.: RA265009c

A2685582	A895-01
C	H3491200001 ~
D	TBA

A2685584	A895-02
D	H3491003837~
E	H3491202306 ~
F	H3491202306 ~
G	H3400200728 ~
H	H3400400875 ~
J	TBA

A2685585	A895-02
A	H3491202306 ~
B	H3491202306 ~
C	H3400200728 ~
D	H3400400875 ~
E	TBA

A2685586	A895-02
A	H3491202306 ~
B	H3491202306 ~
C	H3400200728 ~
D	H3400400875 ~
E	TBA

A2685587	A895-03
A	H3491202496 ~
B	H3400201122 ~
C	H3400404851 ~
D	H3400404858 ~

Reissued: 26-Dec-00

Model: Russian-C	Date: 02-Nov-00	No.: RA265009d

RTB Correction
The items in bold italics have been corrected or added.

Subject: ROM History (Russian-C Fax Option)	Prepared by: M. Mano
From: Technical Services Dept., GTS Division	

Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☒ Retrofit information
	☐ Other ( )		

Firmware history for the Russian-C Fax Option.
USA Model

A2685582	File No. (A268Uxxx)	Version	C.SUM	Production
B	002	10.03	48D4	1st Mass Prod.
C	003	13.03	AE2E	December Prod. '99
D	004	21.00	FFEE	August Prod. '00
E	*005*	*23.00*	*F50B*	*November Prod. '00*

European Model

A2685584	File No. (A268Exxx)	Version	C.SUM	Production
C	103	10.03	2512	1st Mass Prod.
D	104	12.01	35B2	November Prod. '99
E	105	13.03	A88A	December Prod. '99
F	106	13.04	1EDA	December Prod. '99
G	107	16.01	4C32	February Prod. '00
H	108	18.00	BE30	April Prod. '00
J	109	22.00	29AF	September Prod. '00
K	*00A*	*23.00*	*4775*	*November Prod. '00*

European 2nd Language

A2685585	File No. (A268Exxx)	Version	C.SUM
	200	12.01	E0B4
A	201	13.03	0136
B	202	13.04	3C64
C	203	16.01	9112
D	204	18.00	8720
E	205	22.00	0496
F	*206*	*23.00*	*E608*

Model: Russian-C	Date: 02-Nov-00	No.: RA265009d

European 3rd Language

A2685586	File No. (A268Exxx)	Version	C.SUM
	300	12.01	BD3B
A	301	13.03	7265
B	302	13.04	EA5A
C	303	16.01	B4B1
D	304	18.00	AAE2
E	305	22.00	A262
F	*306*	*23.00*	*FAD9*

Asia Version

A2685587	File No. (A268Axxx)	Version	C.SUM	Production
	000	10.03	87BE	1st Mass Prod.
A	001	13.03	34AB	December Prod. '99
B	002	13.05	8163	February Prod. '00
C	003	17.02	5C77	April Prod. '00
D	004	18.00	B27D	April Prod. '00

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Model: Russian-C	Date: 02-Nov-00	No.: RA265009d

Symptom Corrected (new ones only; for old ones, see older RTBs)	USA	EU	EU2	EU3	Asia/ TWN
The machine transfers messages received by G4 polling reception to the ICB-1.	*E*	*K*	*F*	*F*	*-*
The RTC detection conditions have been changed from 3 to 2 EOL signals.	*E*	*K*	*F*	*F*	*-*
ICB-1 function is available.	D	*K*	*F*	*F*	-

Model: Russian-C	Date: 02-Nov-00	No.: RA265009d

A2685582	A895-01
C	H3491200001 ~
D	H3400800018 ~
E	***TBA***

A2685584	A895-02
D	H3491003837~
E	H3491202306 ~
F	H3491202306 ~
G	H3400200728 ~
H	H3400400875 ~
J	TBA
K	***TBA***

A2685585	A895-02
A	H3491202306 ~
B	H3491202306 ~
C	H3400200728 ~
D	H3400400875 ~
E	TBA
F	***TBA***

A2685586	A895-02
A	H3491202306 ~
B	H3491202306 ~
C	H3400200728 ~
D	H3400400875 ~
E	TBA
F	***TBA***

A2685587	A895-03
A	H3491202496 ~
B	H3400201122 ~
C	H3400404851 ~
D	H3400404858 ~

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Technical Bulletin

Reissued: 29-Jul-02

Model: Russian-C	Date: 27-Sep-00	No.: RA265017a

RTB Correction

The items in bold italics have been corrected or added.

Subject: V34 ROM History (Russian-C SG3 Option)	Prepared by: M.Mano
From: Technical Services sec. Service Planning Dept.	

Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☒ Retrofit information
	☐ Other ( )		

Firmware history for the Russian-C SG3-V34 option.

A8955580	Version	C.SUM	Production
A	16	FE38	1st Mass Prod.
B	18	719C	April Prod. '00
C	*20*	*D444*	*December Prod. '00*
D	*21*	*2170*	*January Prod. '01*
E	*23*	*DDF2*	*June Prod. '02*

Symptom Corrected	Version
1st lot of mass production for the Uranos-C1 SG3 option.	*E*
Tx may be cancelled when sending a JBIG-compressed, well-log original at Detailed resolution in V.34 mode.	*E*
1st lot of mass production for the Adonis-C2 SG3 option.	*D*
The machine sometimes freezes if an incoming fax is received while transmitting.	*D*
The machine does not try redialing following a polling reception error.	*D*
Tx/Rx with the 2nd G3 line is disabled if an incoming fax is received while transmitting. (However, other lines can be used, and the machine does not freeze.)	*C*
The image at the bottom of the page may be disordered when receiving JBIG-compressed data at Super Fine resolution.	*C*
The PTT approval for Hungary has been passed. The following country code will be added for Hungary: 22H (34).	B
When over 20H is input for the incoming signal detection level (RAM address 6805BD), the minimum signal strength decreases. * The maximum value for this address is <u>1FH</u>.	B

RICOH

Technical **B**ulletin

Model: Russian-C1	Date: 2-Apr-04	No.: RA265030

Subject: System Switch 1E-4	Prepared by: Y. Ohtani
From: 1st Tech. Support Sec. Service Support Dept.	

Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☒ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Other ( )		

Please apply the following description revision to your Russian-C1 Fax Service Manuals.

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System Switch 1E		SP No.1-101-031
No	**FUNCTION**	**COMMENTS**
4	This switch allows or prohibits all fax reception when Authorized Reception is enabled and no RTI/CSIs have been programmed. **0: All fax reception is enabled** 1: All fax reception is disabled	This switch is only effective when Authorized Reception is enabled and there are no RTI/CSIs programmed. Under these two conditions: The default setting of "0" allows the machine to receive all incoming faxes. This is useful in cases where the customer has mistakenly enabled Authorized Reception with no RTI/CSIs programmed. Setting this switch to "1" will cause the machine to reject all incoming transmissions.