Model: Mojito	Date: 10-Nov-00	No.: RA293015

Subject: Printer Controller (B337) System Firmware Histories	Prepared by: A. Sasaki
From: Technical Service Dept., GTS Division	

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

This is to inform about the modification histories of the system firmware of Printer Controller Type 700 (B337).

As there are two types of the firmware, use the appropriate one for the product brand.

Destination	Part Number	Product Codes/Brands
Generic	B337 5800	B337-01, -10, -15, -17
		Ricoh, Savin, Gestetner, Nashuatec, Rexrotary, Infotec
Lanier	B337 5814	B337-14
		Lanier

- Firmware Version and Part Number Suffix for Each Destination -

Destination	Generic	Lanier
Part Number	B337 5800	B337 5814
Version	Suffix	Suffix
0.40	None	None
0.43	A	A
0.46	B	B

- Version 0.40 -

Destination	Generic	Lanier
Part Number	B337 5800	B337 5814

This is the first version of the mass production.

- Version 0.43 -

Destination	Generic	Lanier
Part Number	B337 5800 A	B337 5814 A

1. **Blank Sheet as the Last Page of a Duplex Job with Odd-numbered Pages**
   Symptom
   When a duplex job with odd-numbered pages is printed using the sample print function, the second side of the last sheet is stored as a blank page.
   Modification
   The blank page is deleted when the file for the job is stored as a document server document.
   Note
   This modification is valid only with the engine firmware version *3.51* onwards.

Model: Mojito	Date: 10-Nov-00	No.: RA293015

2. Error when Deleted Files are Accessed
Symptom
An error occurs when deleted files in the deletion list of the engine are accessed.
Note
This modification is valid only with the engine firmware version *3.51* onwards.

3. Unnecessary Characters when Downloading User Defined Symset of PCL5e
Symptom
Unnecessary characters are also included when Downloading User Defined Symset of PCL5e.

4. Wait State of Flash ROM
Symptom
The Wait State of the flash ROM is valid with not only 70-ns ROM but also 90-ns ROM.

- Version 0.46 -

Destination	Generic	Lanier
Part Number	B337 5800 B	B337 5814 B

1. Measure for 10" x 14" Paper.

2. **Symptom**
   A print job with more than 1000 pages stops printing.

3. **Symptom**
   The user tools are not accessible and SC955 occurs if a print job is canceled after more than 1000 pages are stored in the document server.

4. **Symptom**
   SC2002 occurs with Portuguese, Czech, Polish, Hungarian and Finnish.

5. The value of prtAlertTrainingLevel when an error occurs with MIB is changed from 5 (fieldService) to 2 (unknown).

6. **Symptom**
   Job histories are not logged if a user code is not entered.

7. **Symptom**
   PJL job end is not correctly returned.

8. ASI commands have been added.

9. Some errors are not logged in MinorErrorLog.

Model: Mojito	Date: 11-Mar-02	No.: RA293024

Subject: Printer Controller (B337) System Firmware Histories	Prepared by: M.Matsuda
From: Technical Services Dept., GTS Division	

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

Modification history for the system firmware of the Printer Controller Type 700 (B337).

Note that there are two types of firmware, both of which have been designed for specific brands as shown below:

Destination	Part Number	Product Codes/Brands
Generic	B337 5800	B337-01, -10, -15, -17
		Ricoh, Savin, Gestetner, Nashuatec, Rexrotary, Infotec
Lanier	B337 5814	B337-14
		Lanier

- Firmware Version and Part Number Suffix for Each Destination -

Destination	Generic	Lanier
Part Number	B337 5800	B337 5814
Version	Suffix	Suffix
0.40	None	None
0.43	A	A
0.46	B	B
0.49	**D**	**D**
0.54	**E**	**E**

Version 0.49

Part Number	FTP Folder	Model Codes/Languages
B337 5800 D	GEN.al	B337-01, -10, -15, -17
B337 5814 D	LAN.al	B337-14

1. **Symptom**
   Vertical lines on Excel spreadsheet files do not appear on the printouts.

2. **Symptom**
   Auto tray switching malfunction.

3. **Symptom**
   Extra blank sheets are printed out in a mixed job of letter and legal with the AS400.

4. **Symptom**
   The machine would not staple up to the maximum number of pages allowed by 3000-sheet Finisher specifications.

5. A fax counter has been added to the MIB.

6. **Symptom**
   Booklet mode printing error.

Version 0.54

Part Number	FTP Folder	SUM Check	Model Codes/Languages
B337 5800 E	GEN.al	EC70	B337-01, -10, -15, -17
B337 5814 E	LAN.al	EC70	B337-14

1. Supports Wide A4 printing.
   Note: Engine firmware v3.18 or later must be used.

2. Supports A4/Letter function.
   Note: Engine firmware v3.17 or later must be used.

3. **Symptom**
   Error when using the Cover Page function with Macintosh.

4. **Symptom**
   SC2002 occurs when sending a print job using the User Code immediately after the power is turned off and on.

5. **Symptom**
   SC2001 occurs when the "USTATUS TIMED" and "USTATUSOFF" commands are sent.

6. Symptom

A blank page is printed out when printing from a UNIX environment.

7. Shift Tray settings can now be controlled from the SP Mode main menu.

Note: Main firmware ver3.17 must be installed.

8. Auto Continue for the staple end and punch waste collector full conditions can now be enabled/disabled from inside UP Mode.

9. "prtInputName" and "prtOutputName" (NIB) for each language have been changed to their English names.

Model: Bellini	Date: 23-Aug-00	No.: RA294030

Subject: Interface Board Installation	Prepared by: A. Sasaki
From: Technical Services Dept., GTS Division	

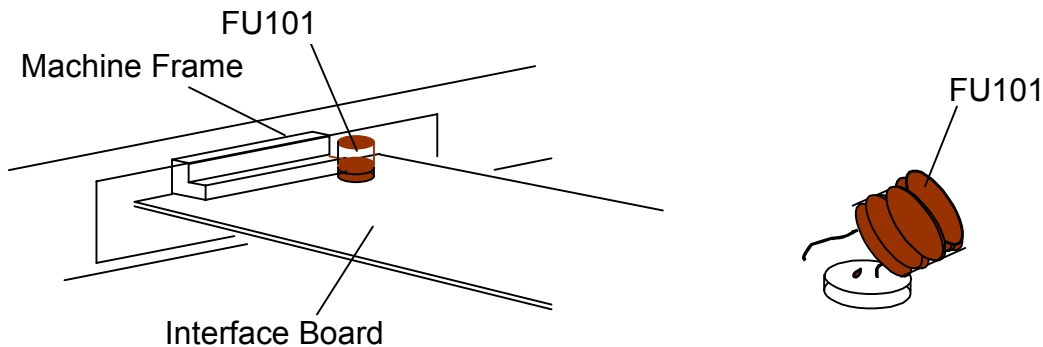| Classification:	☒ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Other ( )		

SYMPTOM

After inserting the interface board during installing any of the following optional equipment, the copier does not recognize them.

- Printer Controller
  The printer feature menu in the user tools and SP mode does not appear on the operation screen.

- CD-RW
  The CD-RW cannot be accessed in the Document Editor.

- Tandem Copy Kit
  The "Copy Connect" key does not appear on the operation screen.

CAUSE

The fuse FU101 on the interface board is damaged.

When the interface board is inserted, the top part of the fuse brushes against the machine frame and a leg of the fuse comes loose.

ACTION

Please make sure that the fuse on the interface board does not touch the machine frame when you insert the interface board.

Reissued: 6-Nov-02

Model: Mojito-C1/C2	Date: 11-Mar-02	No.: RA293024a

RTB Correction
Version 0.56 and 0.58 have been added.

Subject: Printer Controller(B337/B590)System Firmware Histories	Prepared by: F.Noguchi
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 (Information)		

Modification histories of the system firmware of Printer Controller Type 700/1055 (B337/B590).

As there are two types of the firmware, use the appropriate one for the product brand.

Destination	Part	Product Codes/Brands
Generic	B337 5800	Type 700: B337-01, -10, -15, -17
		Ricoh, Savin, Gestetner, Nashuatec, Rexrotary, Infotec
		Type 1055: B590-10, -14, -15, -17, -22, -24, -26, -27
		Ricoh, Savin, Gestetner, Nashuatec, Rexrotary, Infotec, Lanier
Lanier	B337 5814	Type 700: B337-14
		Lanier

Note: The printer controller Type 1055 requires Version 0.56 or higher.

Firmware Version and Part Number Suffix for Each Destination

Destination	Generic	Lanier
Part Number	B337 5800	B337 5814
Version	Suffix	Suffix
0.40	None	None
0.43	A	A
0.46	B	B
0.49	D	D
0.54	E	E
0.56	**F**	**F**
0.58	**G**	**G**

Model: Mojito-C1/C2	Date: 11-Mar-02	No.: RA293024a

Version 0.58

Part Number	FTP Folder	SUM Check	Model Codes/Languages
B337 5800 G	GEN.al	5323	B337-01, -10, -15, -17, B590-10, -14, -15, -17, -22, -24, -26, -27
B337 5814 G	LAN.al	5323	B337-14

1. Supports Edge to Edge Print.
2. SC2002 occurs when printing an Excel file with a particular macro.
3. Printing does not resume after removing the paper from a full exit tray.
4. A job created with User Code #513 doesn't print even though the LCD displays "Printing".
5. In Windows NT/2000, the Mojito cannot print a letter size document for which a separator page has been selected.
6. Some data is not printed in the correct position on the page with the AS/400.

Version 0.56

Part Number	FTP Folder	SUM Check	Model Codes/Languages
B337 5800 F	GEN.al	09E5	B337-01, -10, -15, -17, B590-10, -14, -15, -17, -22, -24, -26, -27
B337 5814 F	LAN.al	09E5	B337-14

Note: The printer controller type 1055 requires Version 0.56 or higher.

1. Added symbol sets PC858, ISO8859/15Latin9 and Roman9 for display of the Euro currency symbol.
2. Added the Euro currency symbol to fonts PS Math and MC Text.
3. SNMP security vulnerabilities reported by CERT on Feb.12, 2002 have been tested using the PROTOS c06-snmpv1 test suite.
   -CERT: http://www.cert.org/advisories/CA-2002-03.html
   -PROTOS c06-snmpv1 test Suite:
   http://www.ee.oulu.fi/research/ouspg/protos/testing/c06/snmpv1/
4. Printing does not stop after the output tray becomes full.

Model: Mojito-C1/C2	Date: 11-Mar-02	No.: RA293024a

Version 0.54

Part Number	FTP Folder	SUM Check	Model Codes/Languages
B337 5800 E	GEN.al	EC70	B337-01, -10, -15, -17
B337 5814 E	LAN.al	EC70	B337-14

1. **"Wide A4" printing**
   Supports "Wide A4" printing. Engine firmware v3.18 or later must be upgraded.

2. **"A4/Letter" function**
   Supports "A4/Letter" function. Engine firmware v3.17 or later must be upgraded.

3. **"Cover Page" function**
   Fixed: Problem when using "Cover Page" function with Macintosh.

4. **SC2002**
   Fixed: SC2002 occurs when a print job using a "User Code" is sent immediately after power is turned off and then on.

5. **SC2001**
   Fixed: SC2001 occurs when "USTATUS TIMED" and "USTATUSOFF" commands are sent.

6. **UNIX environment.**
   Fixed: Blank page is printed in UNIX environments.

7. **Shift Tray Setting**
   Shift tray settings can now be controlled from the SP Mode main menu.
   Note: Main firmware ver3.17 must be installed.

8. **Staple end and Punch chad full**
   Auto Continue for the staple end and punch chad full conditions can now be enabled/disabled from inside UP Mode.

9. **"prtInputName" and "prtOutputName"**
   In MIB, "prtInputName" and "prtOutputName" for each language is changed to its English name.

Version 0.49

Part Number	FTP Folder	Model Codes/Languages
B337 5800 D	GEN.al	B337-01, -10, -15, -17
B337 5814 D	LAN.al	B337-14

1. **Vertical Lines of Excel Files Disappear**
   A symptom that vertical lines on prints from Excel files disappear, has been corrected.

2. **Letter/Legal Mixed Job with AS400**
   A symptom that the auto tray switching does not function has been corrected.

3. **Extra Blank Prints from SAP**
   A symptom that unnecessary extra blank prints are fed out in a mixed job with letter and legal with AS400, has been corrected.

4. **Maximum Pages for Stapling in Finisher 3000**
   The maximum pages for stapling have been corrected.

5. **FAX Counter of MIB**
   The fax counter has been added to the MIB.

6. **Booklet**
   An error in the booklet mode has been corrected.

Version 0.43

Destination	Generic	Lanier
Part Number	B337 5800 A	B337 5814 A

1. **Blank Sheet as Last Page of a Duplex Job with Odd-numbered Pages**
   Symptom
   When a duplex job with odd-numbered pages is printed in the sample print function, the second side of the last sheet is stored as a blank page.
   Modification
   The blank page is deleted when the file of the job is stored as a document server.

   Note
   This modification is valid only with the engine firmware version *3.51* onwards.

2. **Error when Deleted Files are Accessed**
   Symptom
   An error occurs when deleted files in the deletion list of the engine are accessed.

   Note: This modification is valid only with the engine firmware version *3.51* onwards.

3. **Unnecessary Characters when Downloading User Defined Symset of PCL5e**
   Symptom
   Unnecessary characters are also included when Downloading User Defined Symset of PCL5e.

4. **Wait State of Flash ROM**
   Symptom
   The Wait State of the flash ROM is valid with not only 70-nsec ROM but also 90-nsec ROM.

Version 0.40

Destination	Generic	Lanier
Part Number	B337 5800	B337 5814

This is the first version of the mass production.

Reissued: 5-Nov-04

Model: Mojito-C1/C2	Date: 11-Mar-02	No.: RA293024b

RTB Correction
Version 0.61 has been added.

Subject: Printer Controller(B337/B590)System Firmware Histories	Prepared by: F.Noguchi
From: 2nd Tech. Support Sec. Service Support Dept.	
Classification: ☐ Troubleshooting ☐ Part information ☐ Action required ☐ Mechanical ☐ Electrical ☐ Service manual revision ☐ Paper path ☐ Transmit/receive ☐ Retrofit information ☒ Other (Information)	

This is to inform about the modification histories of the system firmware of Printer Controller Type 700/1055 (B337/B590).

As there are two types of the firmware, use the appropriate one for the product brand.

Destination	Part	Product Codes/Brands
Generic	B337 5800	Type 700: B337-01, -10, -15, -17
		Ricoh, Savin, Gestetner, Nashuatec, Rexrotary, Infotec
		Type 1055: B590-10, -14, -15, -17, -22, -24, -26, -27
		Ricoh, Savin, Gestetner, Nashuatec, Rexrotary, Infotec, Lanier
Lanier	B337 5814	Type 700: B337-14
		Lanier

Note: <u>The printer controller Type 1055 requires Version 0.56 or higher.</u>

< Firmware Version and Part Number Suffix for Each Destination >

Destination	Generic	Lanier
Part Number	B337 5800	B337 5814
Version	Suffix	Suffix
0.40	None	None
0.43	A	A
0.46	B	B
0.49	D	D
0.54	E	E
0.56	F	F
0.58	G	G
0.61	*-*	*-*

Reissued: 5-Nov-04

Model: Mojito-C1/C2	Date: 11-Mar-02	No.: RA293024b

< Version 0.61 >

Part Number	FTP Folder	SUM Check	Model Codes/Languages
B337 5800 H	GEN.al	C090	B337-01, -10, -15, -17, B590-10, -14, -15, -17, -22, -24, -26, -27
B337 5814 H	LAN.al	C090	B337-14

1. Fixed: An incorrect font may be selected after the orientation command. (FPR No. RC0210004)
2. Fixed: An XL error happens when an Office97 document is printed using the PCL 6 driver. （FPR No.RE04020023）
3. Fixed: Printouts from a SAP system have inconsistent page layouts. (FPR No. RE04050015)

< Version 0.58 >

Part Number	FTP Folder	SUM Check	Model Codes/Languages
B337 5800 G	GEN.al	5323	B337-01, -10, -15, -17, B590-10, -14, -15, -17, -22, -24, -26, -27
B337 5814 G	LAN.al	5323	B337-14

1. Supports Edge to Edge Print.
2. SC2002 occurs when printing an Excel file with a particular macro.
3. Printing does not resume after removing the paper from the full exit tray.
4. The job created by User Code #513 doesn't print even though the LCD displays "Printing".
5. In Windows NT/2000, the Mojito cannot print a letter size document for which a separator page has been selected.
6. Some data is not printed in the correct position on the page with the AS/400.

< Version 0.56 >

Part Number	FTP Folder	SUM Check	Model Codes/Languages
B337 5800 F	GEN.al	09E5	B337-01, -10, -15, -17, B590-10, -14, -15, -17, -22, -24, -26, -27
B337 5814 F	LAN.al	09E5	B337-14

Note: The printer controller type 1055 requires Version 0.56 or higher.

1. Added symbol sets PC858, ISO8859/15Latin9 and Roman9 for display of the Euro currency symbol.

Model: Mojito-C1/C2	Date: 11-Mar-02	No.: RA293024b

2. Added the Euro currency symbol to fonts PS Math and MC Text.

3. SNMP security vulnerabilities reported by CERT on Feb.12, 2002 have been tested using the PROTOS c06-snmpv1 test suite.
   -CERT: http://www.cert.org/advisories/CA-2002-03.html
   -PROTOS c06-snmpv1 test Suite:
   http://www.ee.oulu.fi/research/ouspg/protos/testing/c06/snmpv1/

4. Printing does not stop after the output tray becomes full.

< Version 0.54 >

Part Number	FTP Folder	SUM Check	Model Codes/Languages
B337 5800 E	GEN.al	EC70	B337-01, -10, -15, -17
B337 5814 E	LAN.al	EC70	B337-14

1. **"Wide A4" printing**
   Supports "Wide A4" printing. Engine firmware v3.18 or later must be upgraded.

2. **"A4/Letter" function**
   Supports "A4/Letter" function. Engine firmware v3.17 or later must be upgraded.

3. **"Cover Page" function**
   Fixed: Problem when using "Cover Page" function with Macintosh.

4. **SC2002**
   Fixed: SC2002 occurs when print job using "User Code" is sent immediately after power is turned off and then on.

5. **SC2001**
   Fixed: SC2001 occurs when "USTATUS TIMED" and "USTATUSOFF" commands are sent.

6. **UNIX environment.**
   Fixed: Blank page is printed in UNIX environment.

7. **Shift Tray Setting**
   Shift Tray settings can now be controlled from the SP Mode main menu.
   Note: Main firmware ver3.17 must be installed.

8. **Staple end and Punch chad full**
   Auto Continue for the staple end and punch chad full conditions can now be enabled/disabled from inside UP Mode.

9. **"prtInputName" and "prtOutputName"**
   In the MIB, "prtInputName" and "prtOutputName" of each language is changed to it's English name.

Model: Mojito-C1/C2	Date: 11-Mar-02	No.: RA293024b

< Version 0.49 >

Part Number	FTP Folder	Model Codes/Languages
B337 5800 D	GEN.al	B337-01, -10, -15, -17
B337 5814 D	LAN.al	B337-14

1. **Vertical Lines of Excel Files Disappear**
   A symptoms that vertical lines on prints from Excel files disappear, has been corrected.

2. **Letter/Legal Mixed Job with AS400**
   A symptom that the auto tray switching does not function has been corrected.

3. **Extra Blank Prints from SAP**
   A symptom that unnecessary extra blank prints are out in a mixed job with letter and legal with AS400, has been corrected.

4. **Maximum Pages for Stapling in Finisher 3000**
   The maximum pages for stapling have been corrected.

5. **FAX Counter of MIB**
   The FAX counter has been added onto the MIB.

6. **Booklet**
   An error in the booklet mode has been corrected.

< Version 0.43 >

Destination	Generic	Lanier
Part Number	B337 5800 A	B337 5814 A

1. **Blank Sheet as Last Page of a Duplex Job with Odd-numbered Pages**
   < Symptom >
   When a duplex job with odd-numbered pages is printed in the sample print function, the second side of the last sheet is stored as a blank page.
   < Modification >
   The blank page is deleted when the file of the job is stored as a document server.

   < Note >
   This modification is valid only with the engine firmware version *3.51* onwards.

2. **Error when Deleted Files are Accessed**
   < Symptom >
   An error occurs when deleted files in the deletion list of the engine are accessed.

   < Note >This modification is valid only with the engine firmware version *3.51* onwards.

Model: Mojito-C1/C2	Date: 11-Mar-02	No.: RA293024b

3. **Unnecessary Characters when Downloading User Defined Symset of PCL5e**
   < Symptom >
   Unnecessary characters are also included when Downloading User Defined Symset of PCL5e.

4. **Wait State of Flash ROM**
   < Symptom >
   The Wait State of the flash ROM is valid with not only 70-nsec ROM but also 90-nsec ROM.

< Version 0.40 >

Destination	Generic	Lanier
Part Number	B337 5800	B337 5814

This is the first version of the mass production.