# RICOH

# Technical Bulletin

| Model: Katana | Date:14-Jul-06 | No.: RB234015 |
|---|---|---|

| Subject: Service Manual Revision | Prepared by: S. Ishizu |
|---|---|
| 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 |
| | ☐ Product Safety | ☐ Other ( ) | |

**This document summarizes the corrections in the Service Manual for "Katana" (Machine Code: B234/235/236).**

## 1. Added new step 8 <Page: 1-30>

7.Input the following telephone numbers with SP 5812.

- Service technician telephone number: SP 5812 001
- Service technician fax number: SP 5812 002
- For ordering consumables: SP 5812 003
- Sales representative: SP 5812 004

***8.Install the language firmware if necessary.***

## 2. Corrected the procedure <Page: 1-122>

**Incorrect**

1. Instruct the key operator to enable the key counter with the User Tools setting:

> User Tools> System Settings> Key Counter Management> ON

**Correct**

1. Instruct the key operator to enable the key counter with the User Tools setting:

User Tools> System Settings> ***Administrator Tools***> Key Counter Management> ON
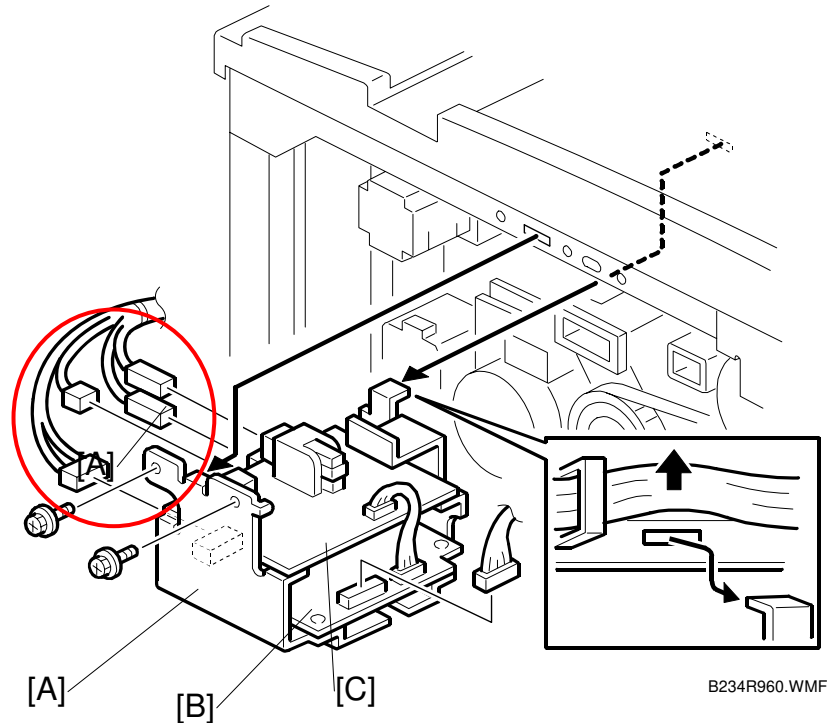
## 3. Corrected PM table <Page: 2-8>

**Incorrect**

| Hot roller gears | C/L | | | Lubricate (Barrierta 55L or SS552R) |
|---|---|---|---|---|

**Correct**

| Hot roller gears | C/L | | | Lubricate with **Grease Barrierta – JFE5 5/2** (A2579300) |
|---|---|---|---|---|

| Model: Katana | Date:14-Jul-06 | No.: RB234015 |
| --- | --- | --- |

**4. Corrected the Callout <Page: 3-166>**

**Incorrect**:

[A]

[A]      [B]      [C]

B234R960.WMF

**Correct**:

[A]      [B]      [C]

B234R960.WMF
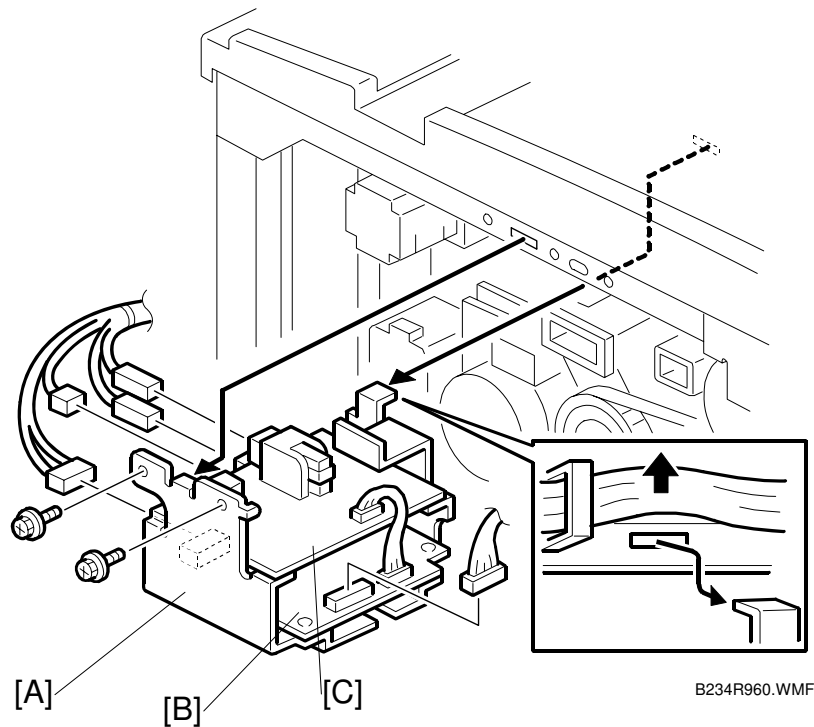
| Model: Katana | Date:14-Jul-06 | No.: RB234015 |
|---|---|---|

**5.  Corrected the label "Y" to "V".** **<Page: 4-5>**

**Incorrect:**
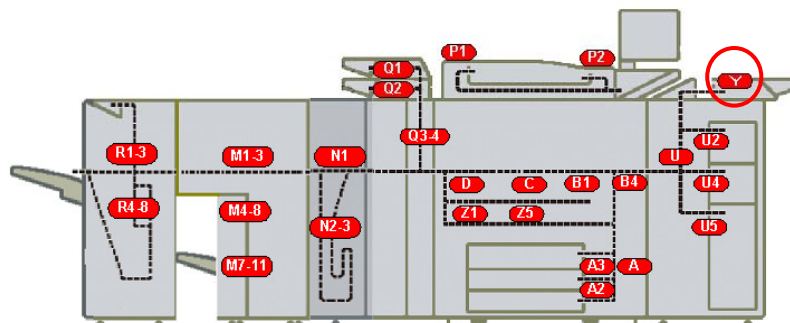
B234T050X.WMF

**Correct**:

B234T050.WMF

## 6. Added SC876 <Page: 4-51>

| SC876 | D | Log Data Error | |
|---|---|---|---|
| | | The log data has been corrupted at power on, while the machine was operating, or when the machine was powered off during a print or copy cycle. The machine should never be switched off while it is printing or copying. | |
| SC876-1 | | Log data file was corrupted at power on or while the machine was operating. | • Format the HDD with SP5832-004. |
| SC876-2 | | The log was set for encryption without the encryption module installed: <br> • At power on <br> • While the machine was operating <br> • When the log encryption setting was changed. | • Install or replace and set the encryption module. <br> • Enable the log encryption setting. |
| SC876-3 | | At power on, the log encryption key was disabled, causing an NVRAM malfunction. | • Format the disk with SP5832-004. |
| SC876-4 | | At power on, the machine attempted log data encryption with the log encryption setting disabled (NVRAM malfunction). <br> -or- <br> At power on, log encryption was attempted with the log encryption setting disabled (NVRAM malfunction). | • Format the disk with SP5832-004. |
| SC876-5 | | Error occurred at power on. <br> Only the NVRAM was replaced with an NVRAM from another machine. <br> -or- <br> Only the HDD was replaced with an HDD unit from another machine. | • Replace the NVRAM with the original NVRAM. <br> • Replace the HDD with the original HDD. <br> • If the error persists, format the HDD with SP5832-004. |
| SC876-99 | | Cause unknown. The error occurred at power on or while the machine was operating. | • Contact the Ricoh design section. |

### SC876: More

If the error persists after doing the procedure described in the table above, do this procedure.
1. Switch the machine off, remove the HDD, then switch the machine on.
2. Do SP5801-019 then switch the machine off.
3. Install the HDD again and switch the machine on.
4. Do SP5832-004.
5. Cycle the machine off/on.
6. Do SP9730-002 and set to "1" (ON).
7. Do SP9730-003 and set to "1" (ON).
8. Do SP9730-004 and set to "1" (ON).
9. Cycle the machine off/on.

## 7. Edited title of SP5227 <Page: 5-55>

**Old**:

| 5227 | Page Numbering |
|------|----------------|

**New**:

| 5227 | Page Numbering *(Bates Stamp)* |
|------|--------------------------------|


## 8. Replace with new photo <B830-34>

**Old:**
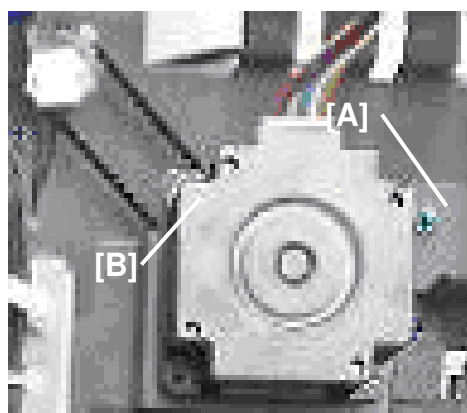


B830R901X.BMP

**New:**
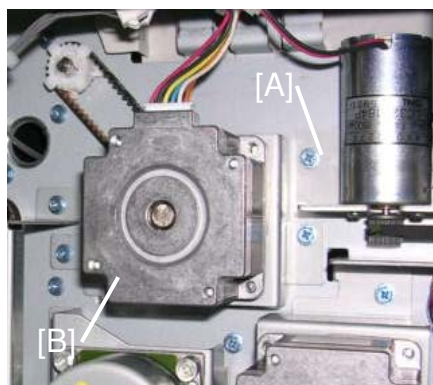


B830R910.BMP

| Model: Katana | Date:14-Jul-06 | No.: RB234015 |
| --- | --- | --- |

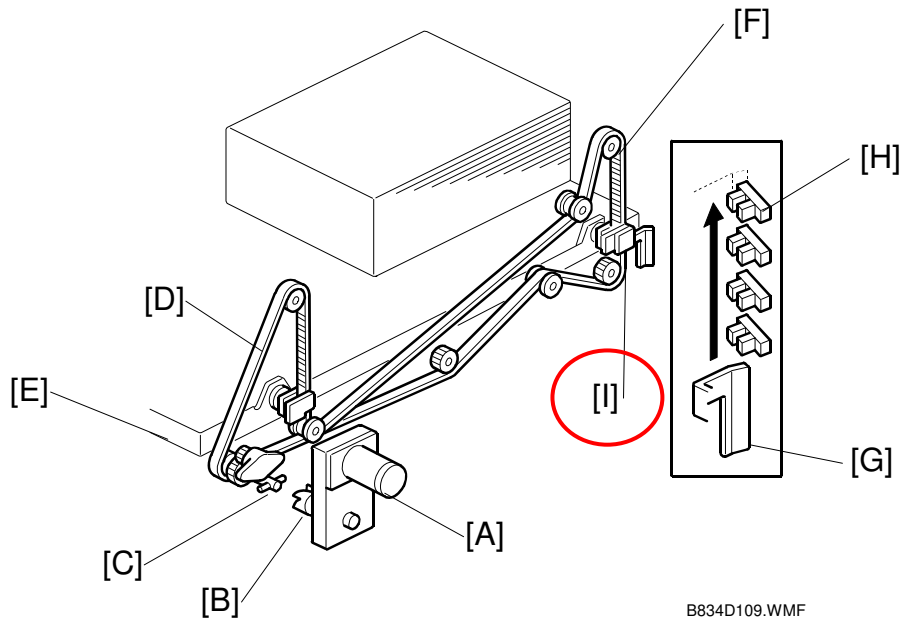## 9. Corrected ELECTRICAL COMPONENT SUMMARY <Page: B830-72>

**Incorrect:**

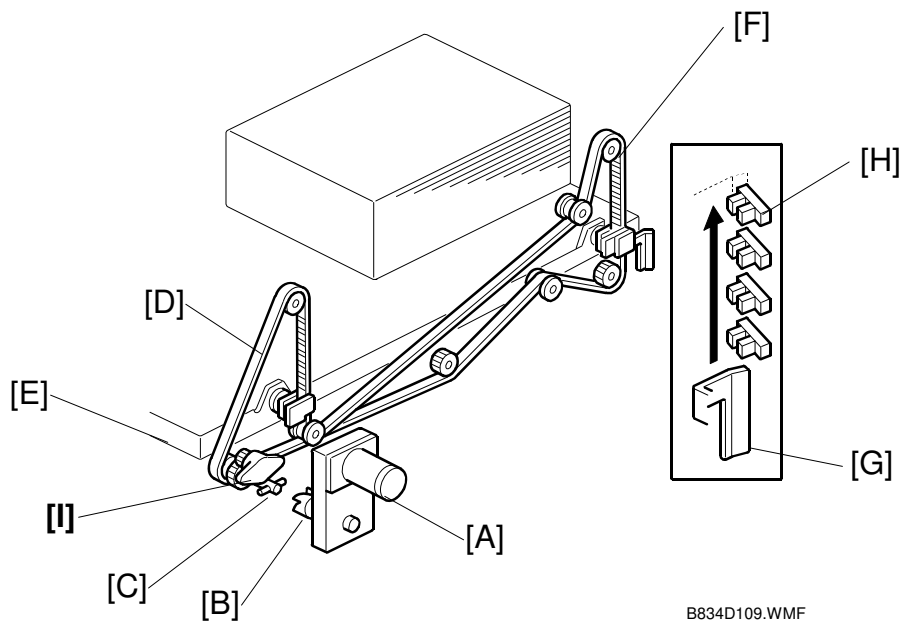| S38 | Stapler Rotation Sensor 2 | Paired with Stapler Rotation Sensor 1. This sensor pair controls the positioning of the corner stapler for the horizontal, 45$^o$ angle, and 75$^o$ angle stapling positions. |
| --- | --- | --- |

**Correct:**

| S38 | Stapler Rotation Sensor 2 | Paired with Stapler Rotation Sensor 1. This sensor pair controls the positioning of the corner stapler for the ***horizontal and 45$^o$ angle stapling positions.*** |
| --- | --- | --- |

| Model: Katana | Date:14-Jul-06 | No.: RB234015 |
|---|---|---|

## 10. Moved callout "[I]" to correct position. <Page: B834-24>

**Incorrect**:



B834D109.WMF

**Correct:**



B834D109.WMF

**11. Corrected the ELECTRICAL COMPONENTS <Page: B836-22>**

**Incorrect**:

1. Horizontal Transport Sensor
2. Upper Transport Motor
3. Stapling Tray Junction Gate Solenoid
4. Finisher Entrance Sensor
5. Entrance Motor
6. Lower Transport Motor
7. Booklet Pressure Roller Solenoid
8. Positioning Roller Solenoid
9. Main Board (PCB)

10. Positioning Roller Motor
11. Edge Pressure Plate Solenoid
12. Stack Tray Exit Sensor
13. Booklet Stapler Board
14. Booklet Output Tray Full Sensor - Rear
15. Booklet Output Tray Full Sensor - Front
16. Front Door Safety Switch
17 Small Front Door Open Sensor

**Correct**:

1. Horizontal Transport Sensor
2. Upper Transport Motor
3. Stapling Tray Junction Gate Solenoid
4. Finisher Entrance Sensor
5. Entrance Motor
6. Lower Transport Motor
7. Booklet Pressure Roller Solenoid
8. Positioning Roller Solenoid
9. ***Positioning Roller Motor***

10. ***Main Board (PCB)***
11. Edge Pressure Plate Solenoid
12. Stack Tray Exit Sensor
13. Booklet Stapler Board
14. Booklet Output Tray Full Sensor - Rear
15. Booklet Output Tray Full Sensor - Front
16. Front Door Safety Switch
17 Small Front Door Open Sensor

# RICOH

# Technical Bulletin

| Model: Katana-C1 LCIT RT5010 (B834) | Date: 18-Nov-10 | No.: RB834001 |
|---|---|---|

| Subject: Improvement of the bracket for postcards | | Prepared by: T. Komori |
|---|---|---|
| From: PP Service Planning Department 1G | | |

| Classification: | ☐ Troubleshooting | ☒ Part information | ☐ Action required |
|---|---|---|---|
| | ☐ Mechanical | ☐ Electrical | ☐ Service manual revision |
| | ☐ Paper path | ☐ Transmit/receive | ☐ Retrofit information |
| | ☐ Product Safety | ☐ Other ( ) | ☐ Tier 2 |

**Change:** Shape of the postcard fence

| Old Part Number | New Part Number | Description | Q'ty | Int | | Page | Index | Note |
|---|---|---|---|---|---|---|---|---|
| B8342713 | B8342717 | BRACKET:POSTCARD:NO.1:REAR:ADHESION | 1 | O/O | as a set | 3 | 33 | |
| B8342711 | B8342719 | BRACKET:POSTCARD:NO.2:REAR:ADHESION | 1 | O/O | | 3 | 31 | |

**1.EXTERIOR (B834)**

| Model: LCIT 5020 / LCIT5010 | | Date: 23-May-11 | No.: RB834002 |
|---|---|---|---|

| Subject: New guide part for LCIT | | Prepared by: H. Kawamura |
|---|---|---|
| From: 1st PP Service Planning Sec., PP Service Planning | | |

| Classification: | ☐ Troubleshooting | ☒ Part information | ☐ Action required |
|---|---|---|---|
| | ☐ Mechanical | ☐ Electrical | ☐ Service manual revision |
| | ☐ Paper path | ☐ Transmit/receive | ☐ Retrofit information |
| | ☐ Product Safety | ☐ Other ( ) | ☐ Tier 2 |

This RTB has been issued to announce that some parts for the LCIT have been changed

| Old part number | New part number | Description | Q'ty | Int | Page | Index | Note |
|---|---|---|---|---|---|---|---|
| B8343332 | B8343341 | GUIDE:UPPER FRONT | 1 | x/x | 7 | 10 | B834 |
| B8343334 | B8343343 | GUIDE:UPPER REAR | 1 | x/x | 9 | 14 | B834 |
| B8343339 | B8343345 | RACK:UPPER | 1 | x/x | 21 | 9 | B834 |
| B8343349 | B8343345 | RACK:UPPER | 1 | x/x | 23 | 16 | B834 |
| D3553332 | D3553334 | GUIDE:LM-6:UPPER FRONT:PEEN | 1 | x/x | 9 | 10 | D355 |

B8343341

3.4TH/6TH PAPER TRAY 2 (B834)

B8343343

## 4.4TH/6TH PAPER TRAY 3 (B834)
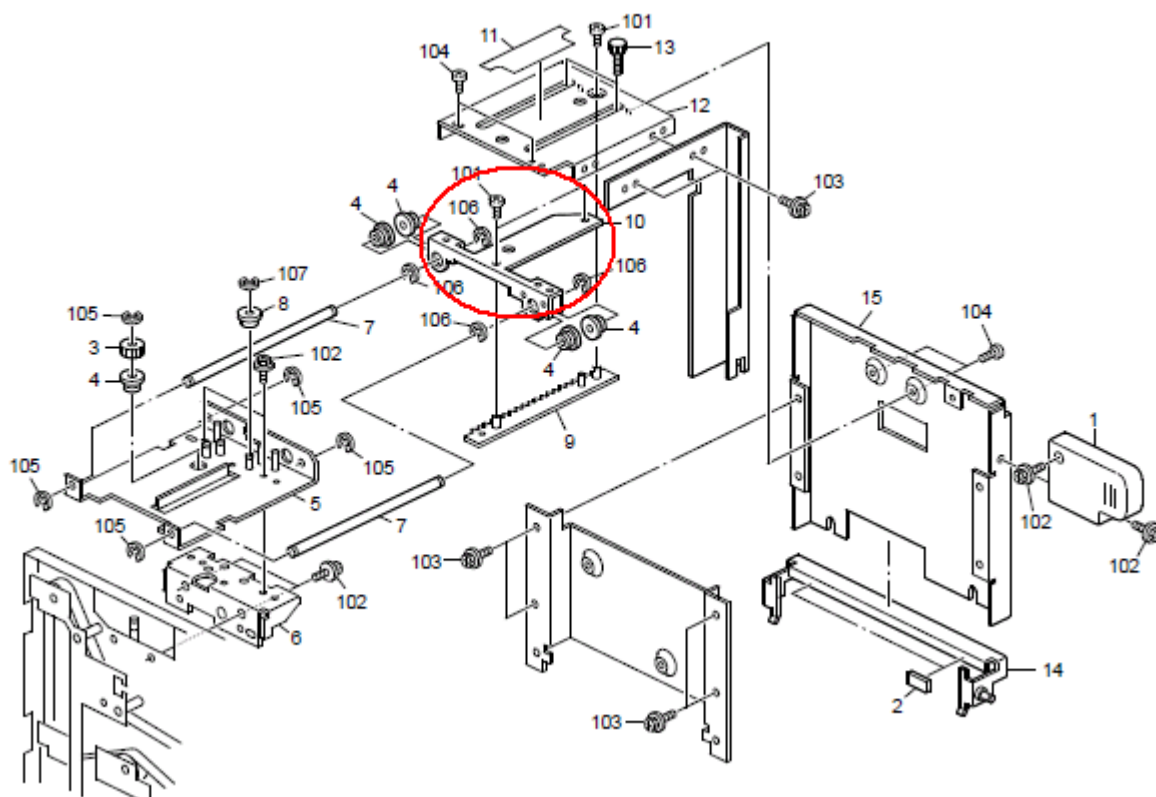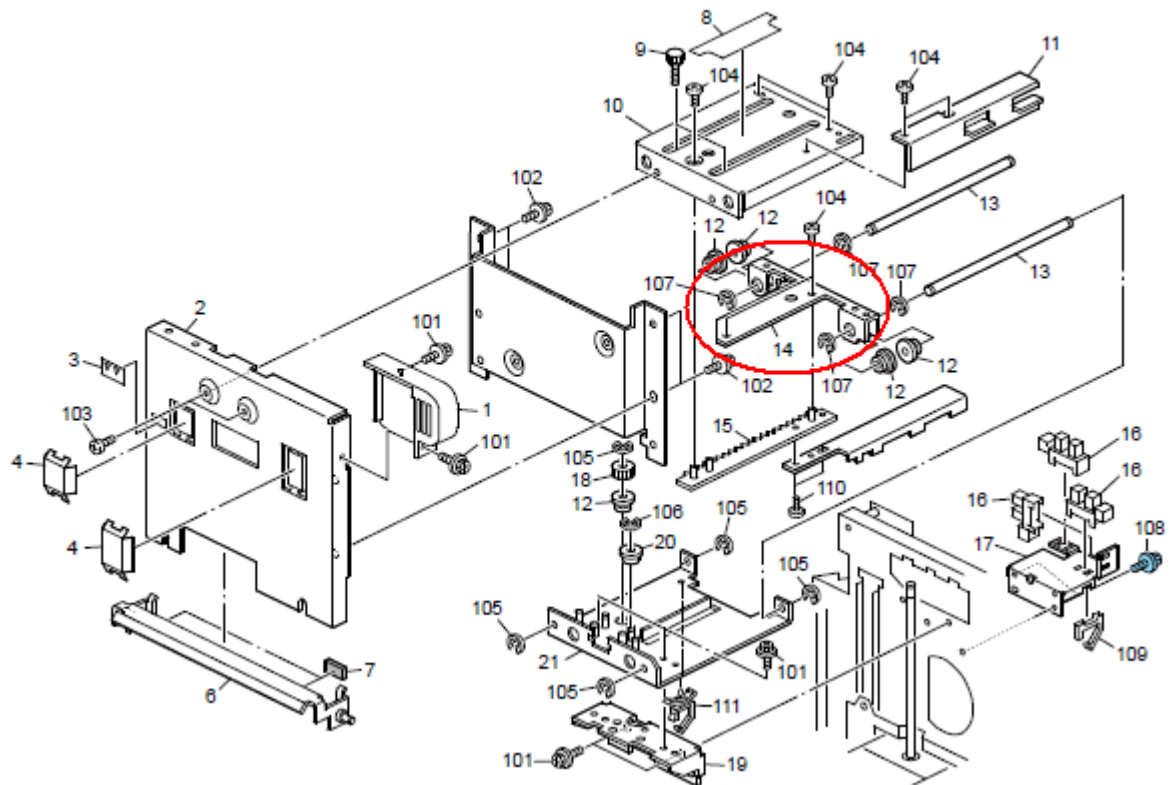
| Model: LCIT 5020 / LCIT5010 | Date: 23-May-11 | No.: RB834002 |
|---|---|---|

B8343345

## 10.5TH PAPER TRAY 2 (B834)

B8343345

## 11.5TH PAPER TRAY 3 (B834)
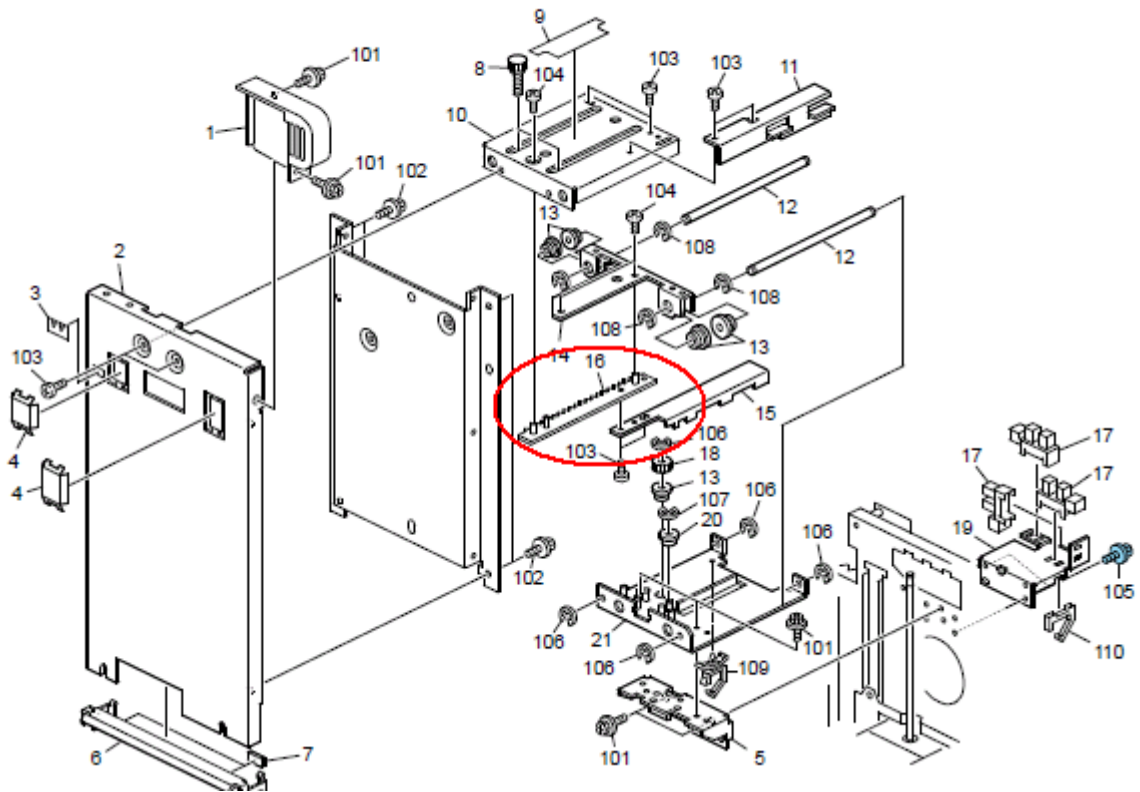
D3553334

## 4.Paper Tray 2 (D355)



Tray Front Side

# RICOH

# Technical Bulletin

| Model: LCIT RT5010 (B834) | Date: 22-Sep-11 | No.: RB834003 |
|---|---|---|

| Subject: Part Changes | | Prepared by: T. Komori |
|---|---|---|
| From: PP Service Planning Department 1G | | |

| Classification: | ☐ Troubleshooting | ☒ Part information | ☐ Action required |
|---|---|---|---|
| | ☐ Mechanical | ☐ Electrical | ☐ Service manual revision |
| | ☐ Paper path | ☐ Transmit/receive | ☐ Retrofit information |
| | ☐ Product Safety | ☐ Other ( ) | ☐ Tier 2 |

**Change:** Shape of the parts
**Reason:** Parts standardization to enable usage of the following parts for other models

| Old Part Number | New Part Number | Description | Q'ty | I/C | | Page | Index |
|---|---|---|---|---|---|---|---|
| B8343349 | B8343345 | RACK:UPPER | 2 | X/X | | 23 9 | 16 15 |
| B8343334 | B8343343 | GUIDE:UPPER REAR | 2 | X/X | | 23 9 | 14 14 |
| B8343332 | B8343341 | GUIDE:UPPER FRONT | 2 | X/X | O/O as a set | 21 7 | 10 10 |
| B8343358 | B8343356 | COVER:UPPER REAR | 1 | X/X | | 9 | 10 |
| B8343357 | B8343355 | COVER:UPPER FRONT | 2 | X/X | | 21 7 | 11 12 |
| B8343339 | B8343345 | RACK:UPPER | 2 | X/X | | 21 7 | 9 9 |

| Model: LCIT RT5040 (D453) | Date: 25-Nov-11 | No.: RD453006 |
| --- | --- | --- |

| Subject: Part Changes (Bearing & Plates) | Prepared by: A. Takada |
| --- | --- |
| From: PP Tech Service Dept., 1st PP Tech Service Sect. | |

| Classification: | ☐ Troubleshooting | ☒ Part information | ☐ Action required |
| --- | --- | --- | --- |
| | ☐ Mechanical | ☐ Electrical | ☐ Service manual revision |
| | ☐ Paper path | ☐ Transmit/receive | ☐ Retrofit information |
| | ☐ Product Safety | ☒ Other (    ) | ☐ Tier 2 |

**Change:** Bearing and the shape of the accompanying plates
**Reason:** To share common parts with the LCIT RT5060 (D516)

1, The bearing was changed as shown in the photo below.
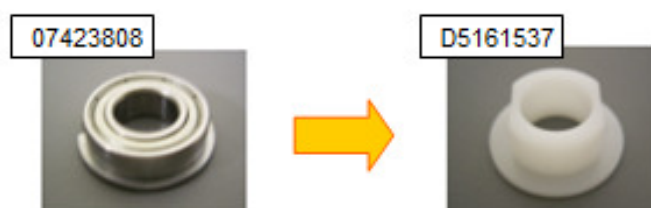


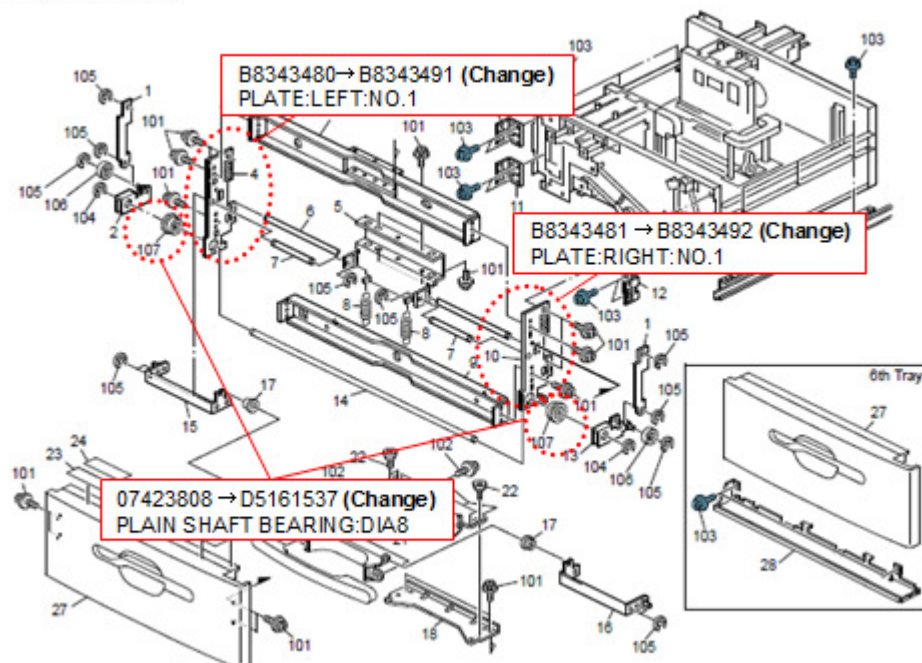2, The size of the holes on the plates were reduced to correspond with the modified bearings.



### LCIT RT5040 (D453)

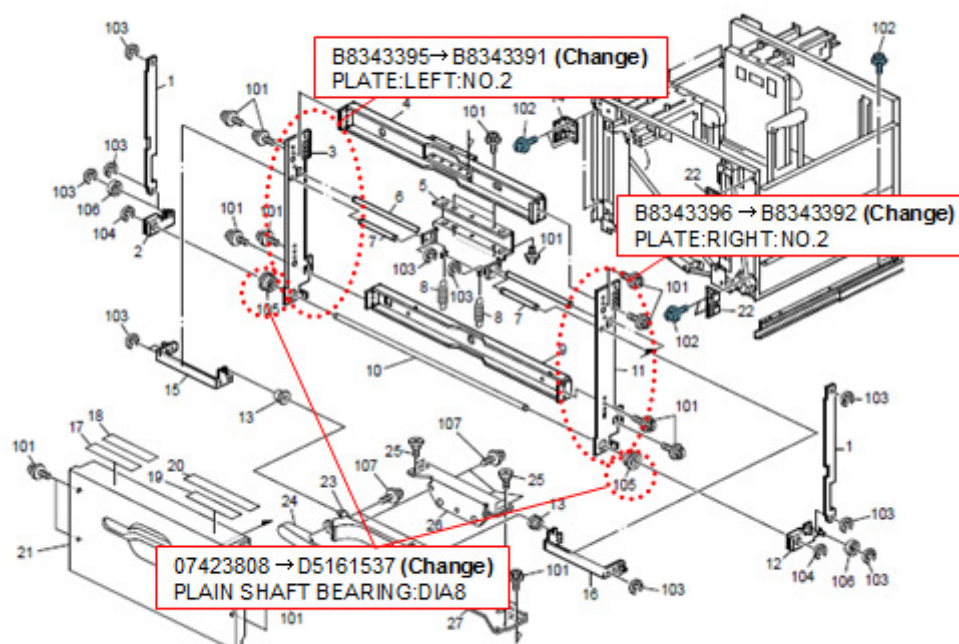| Old Part Number | New Part Number | Description | Q'ty | Int | Page | Index | Note |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 07423808 | D5161537 | PLAIN SHAFT BEARING:DIA8 | 4 | X/O | 4 18 | 107 105 | |
| B8343395 | B8343391 | PLATE:LEFT:NO.2 | 1 | X/O | 18 | 3 | |
| B8343396 | B8343392 | PLATE:RIGHT:NO.2 | 1 | X/O | 18 | 11 | |
| B8343480 | B8343491 | PLATE:LEFT:NO.1 | 1 | X/O | 4 | 4 | |
| B8343481 | B8343492 | PLATE:RIGHT:NO.1 | 1 | X/O | 4 | 10 | |

・*Make sure all 5 parts shown in the above table are replaced as a set.*
・*The modification described in this bulletin also applies to RT5010 (B834).*

## 2.Tray 4/6 Unit 1 (D453)



B8343480→B8343491 (Change)
PLATE:LEFT:NO.1

B8343481 → B8343492 (Change)
PLATE:RIGHT:NO.1

07423808 → D5161537 (Change)
PLAIN SHAFT BEARING:DIA8

6th Tray

## 9.Tray 5 Unit 1 (D453)



B8343395→ B8343391 (Change)
PLATE:LEFT:NO.2

B8343396 → B8343392 (Change)
PLATE:RIGHT:NO.2

07423808 → D5161537 (Change)
PLAIN SHAFT BEARING:DIA8

| Model: LCIT RT5010 (B834) | Date: 06-Jan-12 | No.: RB834004 |
|---|---|---|

| Subject: Part Changes; Holder and Side fence bracket | Prepared by: A. Takada |
|---|---|
| From: PP Tech Service Dept., 1st PP Tech Service Sect. | |

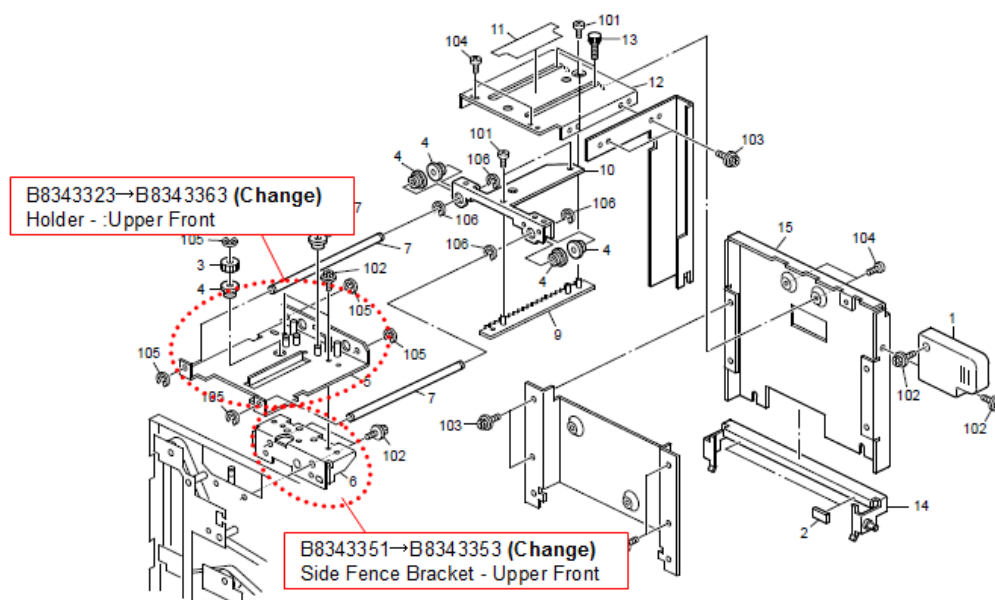| Classification: | ☐ Troubleshooting | ☒ Part information | ☐ Action required |
|---|---|---|---|
| | ☐ Mechanical | ☐ Electrical | ☐ Service manual revision |
| | ☐ Paper path | ☐ Transmit/receive | ☐ Retrofit information |
| | ☐ Product Safety | ☐ Other ( ) | ☐ Tier 2 |

**Change:** Holder and Side fence bracket

**Reason:** To allow usage of common parts for different products

### Model: LCIT RT5010 (B834)

| Old Part Number | New Part Number | Description | Q'ty | Int | Page | Index | Note |
|---|---|---|---|---|---|---|---|
| B8343323 | B8343363 | Holder - :Upper Front | 1 | X/X | 7 | 5 | A |
| B8343329 | B8343364 | Holder - Upper Rear | 1 | X/X | 9 | 21 | A |
| B8343351 | B8343353 | Side Fence Bracket - Upper Front | 1 | X/O | 7 | 6 | A |
| B8343352 | B8343354 | Side Fence Bracket - Upper Rear | 1 | X/O | 9 | 19 | A |

- *When replacing the above parts, replace all 4 parts as a set.*
- *The modification described in this bulletin also applies to Aegis-C1 (D016), LCIT RT4000 (D350), LCIT RT5020 (D355), LCIT RT5040 (D453).*

3.4TH/6TH PAPER TRAY 2 (B834)



B8343323→B8343363 **(Change)**
Holder - :Upper Front

B8343351→B8343353 **(Change)**
Side Fence Bracket - Upper Front

6

**4.4TH/6TH PAPER TRAY 3 (B834)**



B8343329→B8343364 **(Change)**
Holder – Upper Rear

B8343352→B8343354 **(Change)**
Side Fence Bracket – Upper Rear