

Model: LCIT RT5040 (D453)		Date: 21-Aug-09	No.: RD453001
Subject: Service Manual Correction: CIS Image Position Adjustment		Prepared by: M. Abe	
From: PPMC Service Planning Department 1G			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other (     )	<input type="checkbox"/> Action required <input checked="" type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

Please apply the following 2 corrections concerning the CIS Image Position Adjustment to your service manual.

## Location of the Incorrect Description 1

Replacement and Adjustment > Adjustment > Adjusting Image Position Sensor Strength and Side-To-Side Registration; step 8

## Incorrect Description 1

Do SP1909 -2 (CIS Image Position Adjustment: PWM After Adjustment - LCIT).

- If the displayed value is between **10 (Ah) and 40 (28h)**, the CIS is calibrated successfully. (The display is in hexadecimal code.)
- If the value is outside this range, do SP 1910 -2 and 1909 -2 again. If the value does not come between **20 and 40**, the CIS may be defective.

## Correction

Do SP1909 -2 (CIS Image Position Adjustment: PWM After Adjustment - LCIT).

- If the displayed value is between **Ah (10) and 28h (40)**, the CIS is calibrated successfully. (The display is in hexadecimal code.)
- If the value is outside this range, do SP 1910 -2 and 1909 -2 again. If the value does not come between **Ah and 28h**, the CIS may be defective.

*NOTE: Value is displayed in hexadecimal code on the operation panel. Values shown in brackets are decimal code for reference.*

Model: LCIT RT5040 (D453)

Date: 21-Aug-09

No.: RD453001

**Location of the Incorrect Description 2**

Replacement and Adjustment > Adjustment > Adjusting Image Position Sensor Strength and Side-To-Side Registration; step 13

**Incorrect Description 2**

Exit from **SP 1911** and return to the SP mode menu.

**Correction**

Exit from **[User Tools] > [Adjust Settings for Operators]** and return to the SP mode menu.

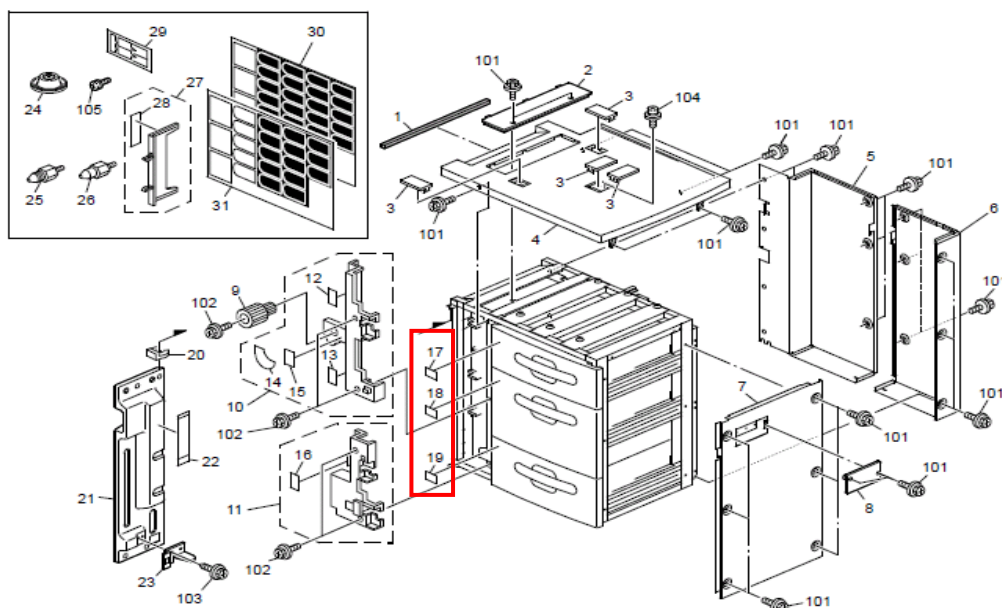
Model: LCIT RT5040 (D453)		Date: 14-Dec-2010	No.: RD453002
Subject: New P/N for Tray Indication Decals		Prepared by: K. Tsutsui	
From: PP Service Planning Department 1G			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other (     )	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

**Change:** Three separate tray indication decals for trays 4, 5, & 6 have been combined.

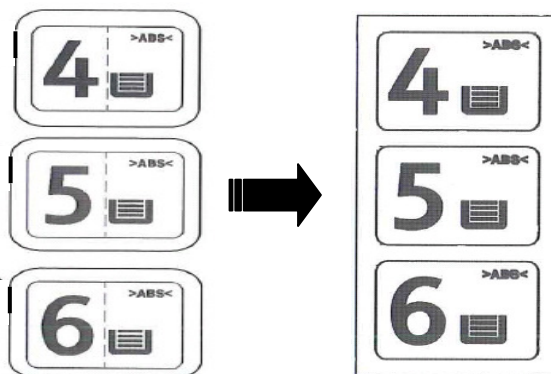
**Reason:** To reduce production cost

Old P/N	New P/N	Description	Q'ty	Int	Page	Index
D4521312		DECAL:PAPER TRAY:4	1	0/0	2	17
D4521313		DECAL:PAPER TRAY:5	1	0/0	2	18
D4521314		DECAL:PAPER TRAY:6	1	0/0	2	19
	<b>D4521310</b>	DECAL:PAPER TRAY:LCT	1	0/0	2	32

## 1.Exterior (D453)



2



Model: LCIT RT5040 (D453)		Date: 22-Dec-2010	No.: RD453003
Subject: Service Manual Correction		Prepared by: J. Ohno	
From: PP Service Planning Department 1G			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other (     )	<input type="checkbox"/> Action required <input checked="" type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

Please apply the following correction to your Service Manual.

## Location of the Incorrect Description:

Details > Paper Handling > Paper Separation > “If the air assist fan is used”

If the air assist fan is NOT used:

- When the paper feed sensor [F] detects the leading edge of the paper, the paper feed motor switches off, the pick-up roller lifts, and the grip rollers [G] feed the paper out of the tray.

If the air assist fan is used:

- When the grip sensor detects the leading edge of the paper, the paper feed motor switches off and the pick-up roller is still lowered. When the paper feed sensor detects the leading edge of the paper, the pick-up roller lifts and the grip rollers [G] feed the paper out of the tray.

If the air assist fan is used:

When the **paper feed sensor [F]** detects the leading edge of the paper, the paper feed motor switches off and the pick-up roller is still lowered. **Then the feed motor switches on, the paper transport sensor detects the paper, the paper feed motor turns off**, the pick-up roller lifts, and the grip rollers [G] feed the paper out of the tray.

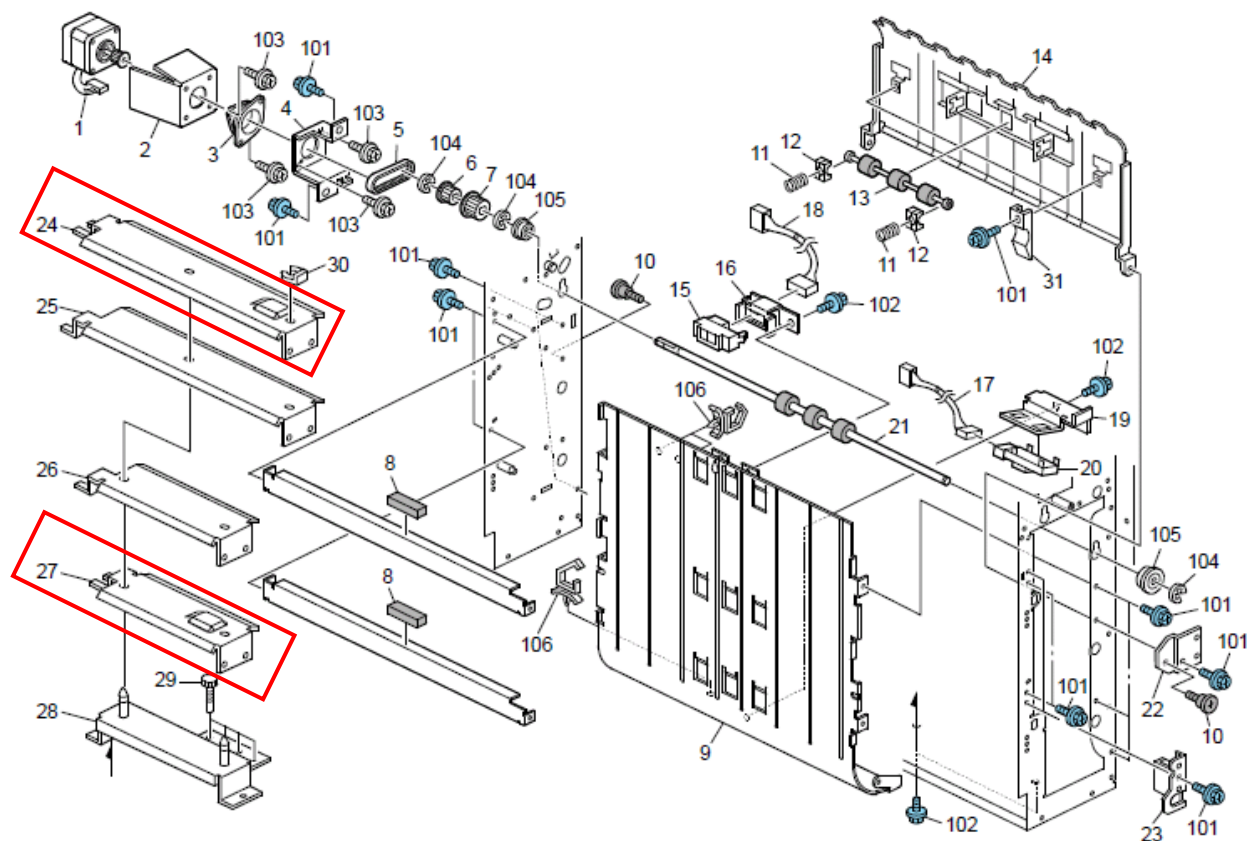
Model: LCIT RT5040 (D453)		Date: 06-Apr-11	No.: RD453004
Subject: New P/N of Postcard Fences		Prepared by: M. Abe	
From: PP Service Planning Department 1G			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other (     )	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

**Change:** Shape of the postcard fence

**Reason:** For easier adjustment when changing paper size

Old P/N	New P/N	Description	Q'ty	Int	Page	Index
B8342711	<b>B8342719</b>	BRACKET:POSTCARD:NO.2:REAR:ADHESION	1	X/0	51	24
B8352713	<b>B8342717</b>	BRACKET:POSTCARD:NO.1:REAR:ADHESION	1	X/0	51	27

## 25.Paper Transfer 6 (D453)



Model: LCIT RT5040 (D453)		Date: 22-Sep-11	No.: RD453005
Subject: Part Changes		Prepared by: T. Komori	
From: PP Service Planning Department 1G			
Classification:	<input type="checkbox"/> Troubleshooting <input checked="" type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input type="checkbox"/> Product Safety <input type="checkbox"/> Other (      ) <input type="checkbox"/> 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	9 23	16 16
B8343334	B8343343	GUIDE:UPPER REAR	2	X/X	23 9	14 14
B8343332	B8343341	GUIDE:UPPER FRONT	2	X/X	21 7	10 10
B8343358	B8343356	COVER:UPPER REAR	2	X/X	23 9	10 10
B8343357	B8343355	COVER:UPPER FRONT	2	X/X	21 7	11 11
D3503339	D3503345	RACK:UPPER	2	X/X	7 21	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:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (     )	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> 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.

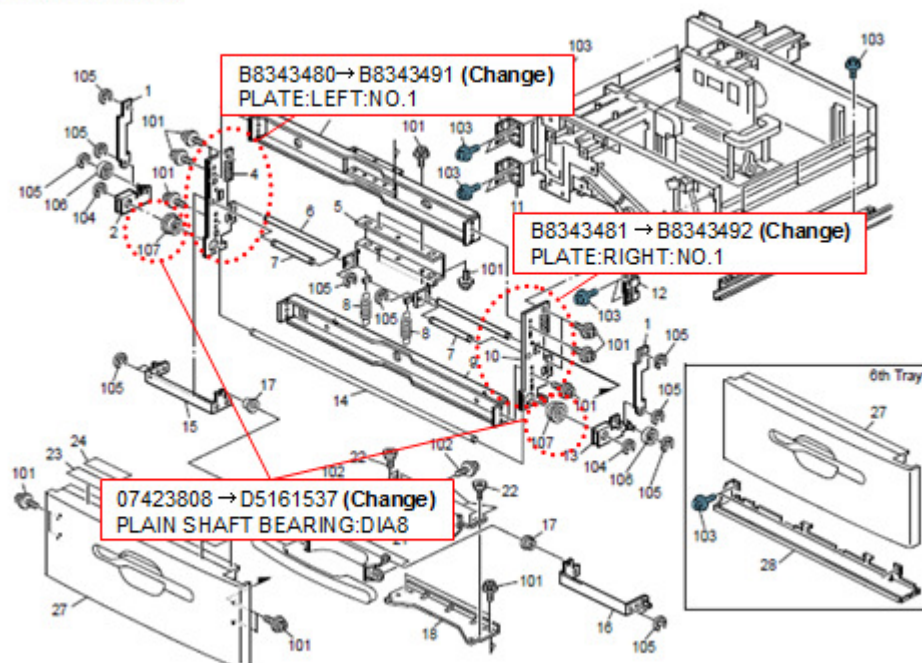


## LCIT RT5040 (D453)

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	

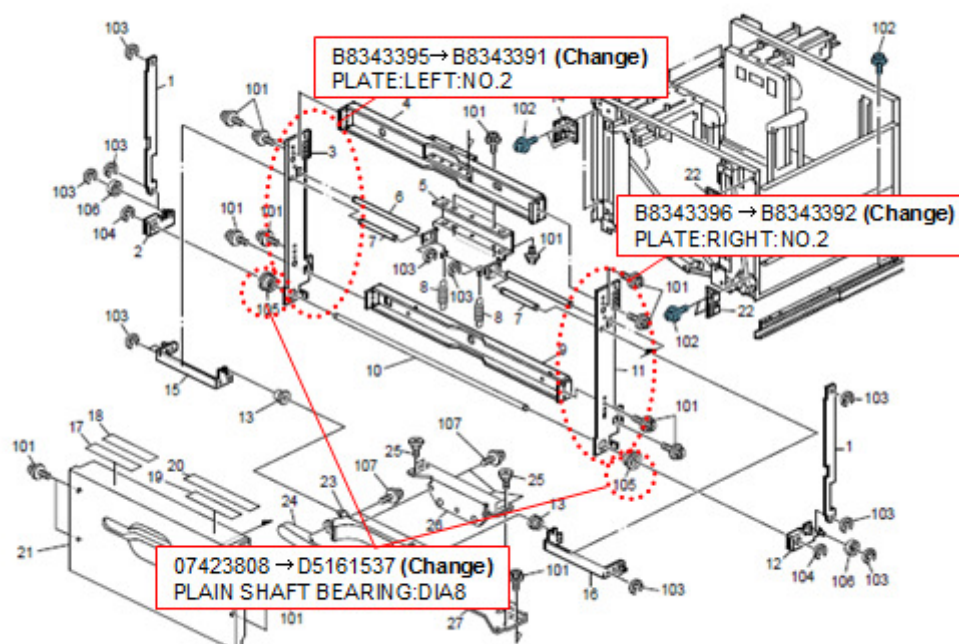
- Make sure all 5 parts shown in the above table are replaced as a set.
- The modification described in this bulletin also applies to RT5010 (B834).

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



4

## 9.Tray 5 Unit 1 (D453)



16

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:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other (     )	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier 2

**Change:** Holder and Side fence bracket

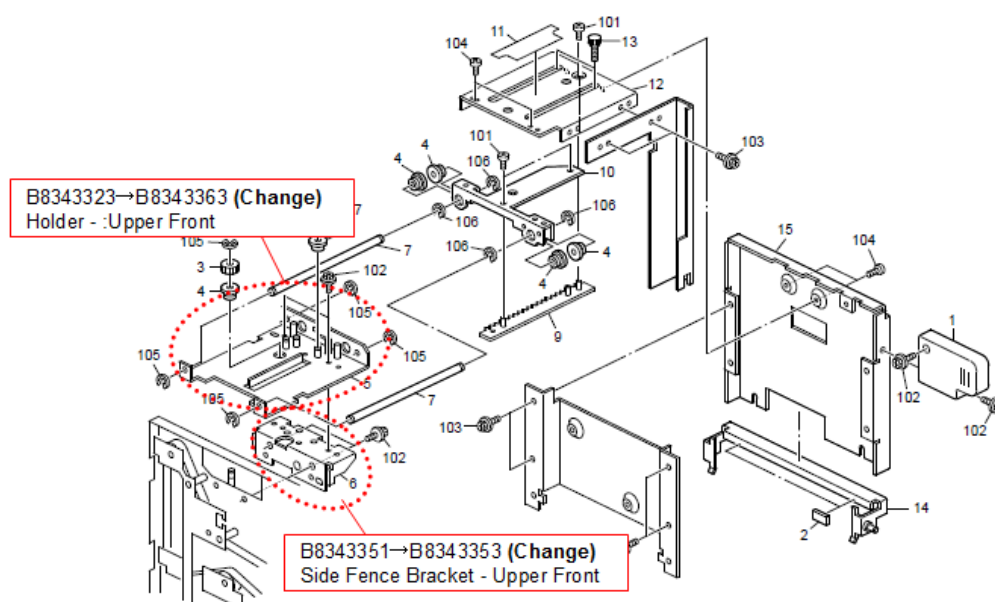
**Reason:** To allow usage of common parts for different products

**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)

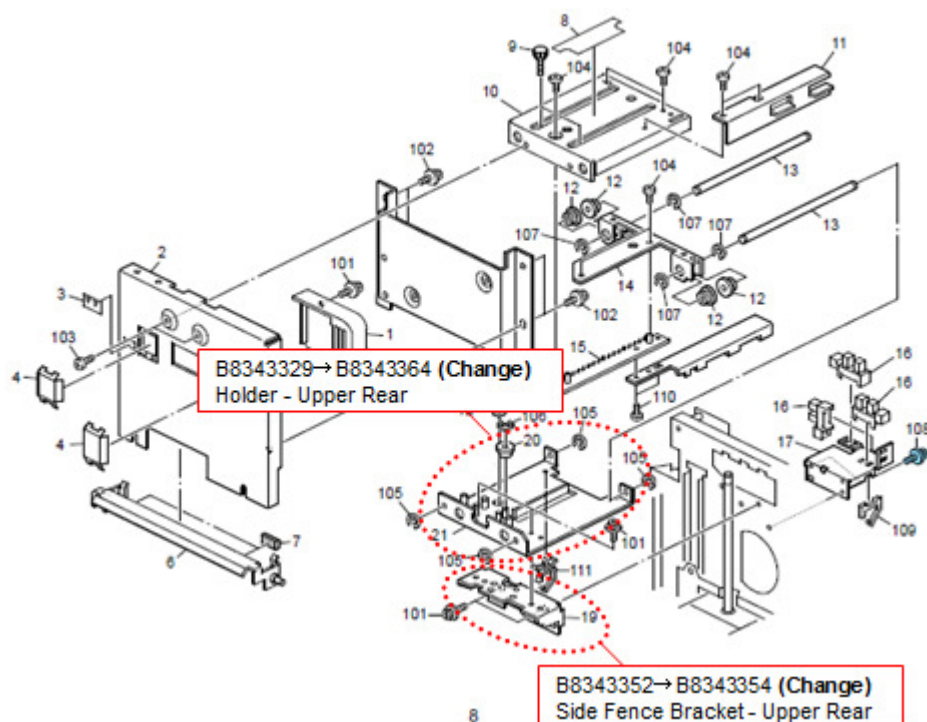


Model: LCIT RT5010 (B834)

Date: 06-Jan-12

No.: RB834004

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



Model: LCIT RT5030 (D452)		Date: 23-Jan-12	No.: RD452003
Subject: Part Changes; Handle assembly and Shoe		Prepared by: A. Takada	
From: PP Tech Service Dept., 1st PP Tech Service Sect.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other (     )	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier 2

**Change:** Shape of the Handle assembly and Shoe

**Reason:** To enable usage of common parts with different products

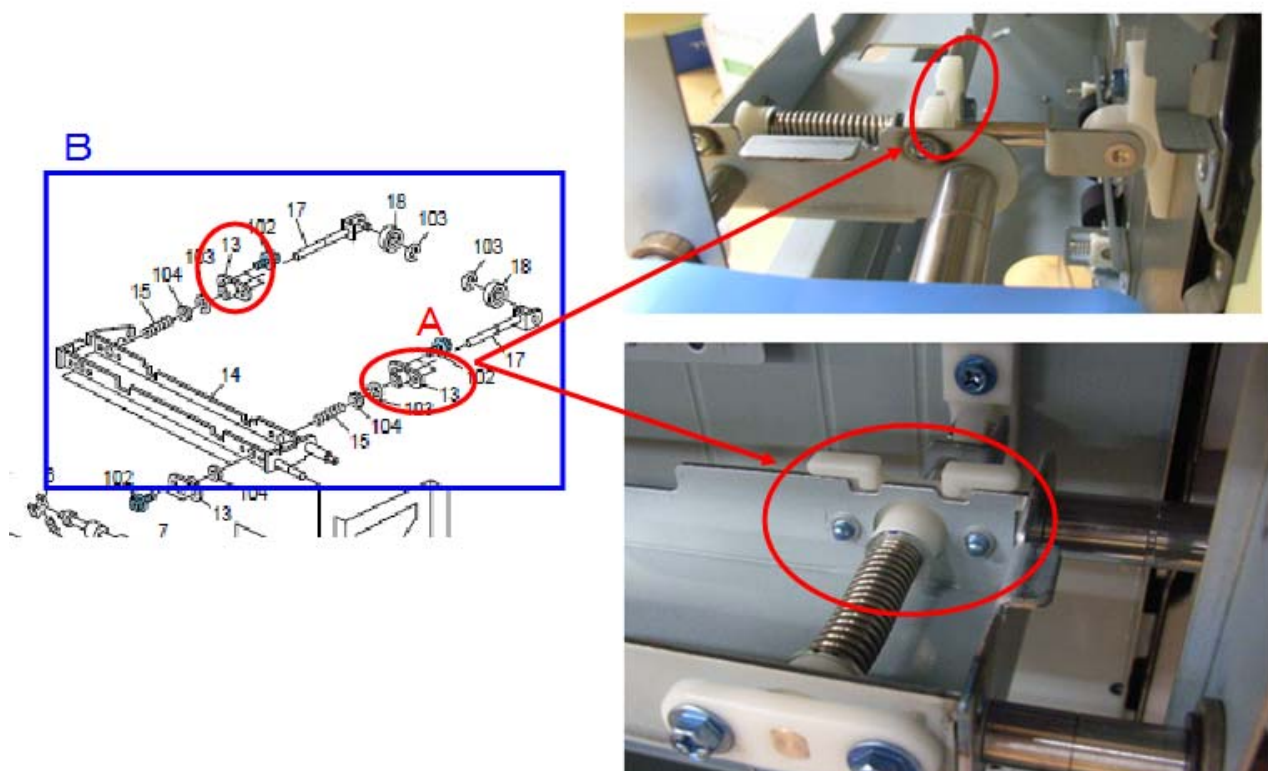
Changed parts

A : Shoe: Handle: Release

Shape of the Shoe was partially modified.

B : Handle: Ass'y

Handle was also modified in accordance with the shape change of the Shoe.  
(Shape of the plate was also modified.)



Model: LCIT RT5030 (D452)

Date: 23-Jan-12

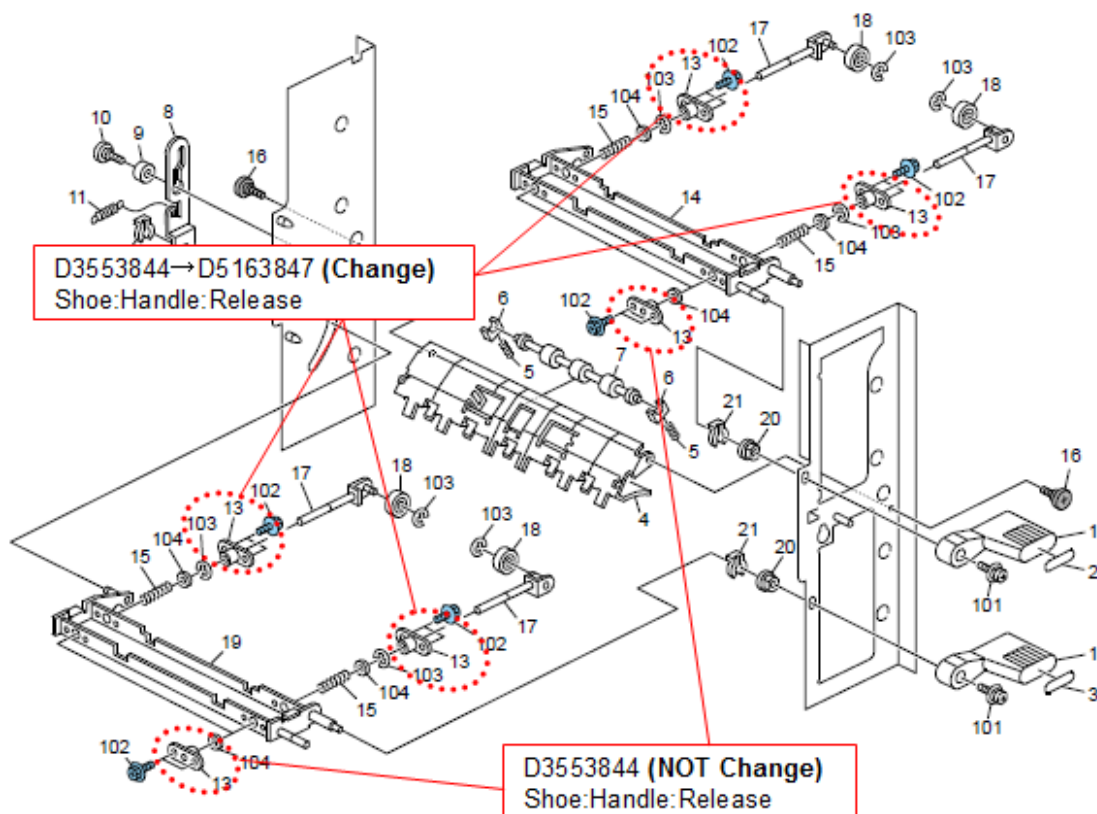
No.: RD452003

## Model: LCT RT5030 (D452)

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index	Note
D3553844	D5163847	Shoe:Handle:Release	4	X/O	31	22	-

- The modification described in this bulletin also applies to LCT RT5040 (D453).

### 15.Paper Transfer 4 (D452)



Model: LCIT RT5040 (D453)		Date: 26-Jan-12	No.: RD453007
Subject: Parts modification - New tension springs to prevent tray pulley slippage		Prepared by: A. Takada	
From: PP Tech Service Dept., 1st PP Tech Service Sect.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other (      )	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier 2

**Change:** Modification 1 - Tension spring of the tray pulley

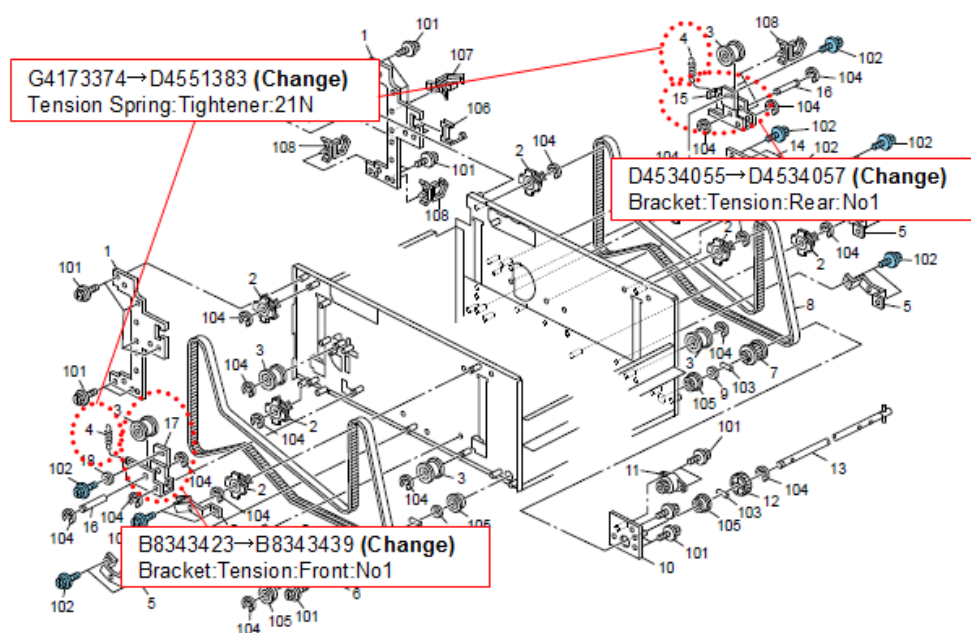
Modification 2 – Shapes of the tension brackets

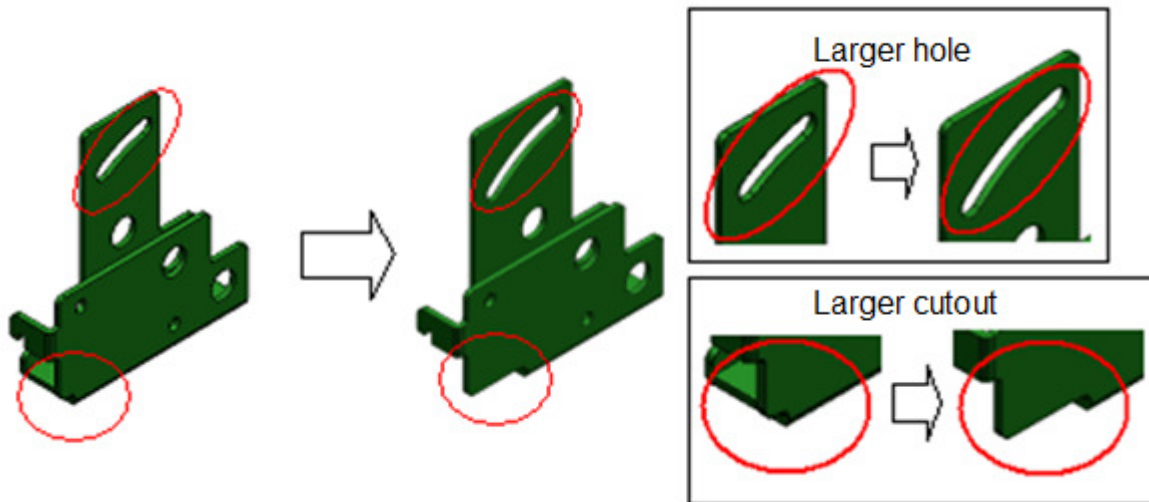
**Reason:** To prevent slippage of the pulley which could occur due to the lack of tension applied to the tension springs installed in Tray 4 and Tray 6

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index	Note
G4173374	D5163374	TENSION SPRING: PULLEY: IDLER	4	X/X	17	4	Change
		Tension Spring:Tightener:21N					
B8343423	B8343439	Bracket: Tension:Front:No1	2	X/X	17	17	Change
D4534055	D4534057	Bracket:Tension:Rear:No1	2	X/X	17	15	Change

**NOTE:** When replacing the above parts, replace as a set.

8.Tray 4/6 Unit 7 (D453)



***Modification: Tension Bracket***

Model: LCIT RT4000 (D350) / RT5040 (D453) / RT5060 (D516) / RT5030 (D452)		Date: 2-Jul-13	No.: RD453008
Subject: Broken Casters on LCIT		Prepared by: S. Sasaki	
From: 1 <sup>st</sup> PP Tech Service Sec., PP Tech Service Dept.			
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other (     )	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

## Symptom

Broken caster on the following LCITs:

RT4000 (D350), RT5040 (D453), RT5060 (D516), RT5030 (D452)



## Cause

One lot of casters was manufactured with an incorrect molding process, resulting in lower durability.

## Occurrence Rate

Extremely Low

Among 118 affected casters, 2.8% (= approx 3 pcs) may break according to factory test results.

## Action

Replace the caster (p/n: AH012050) when a unit with a broken caster is found.  
See the following page for the replacement procedure.

Model: LCIT RT4000 (D350) / RT5040 (D453) / RT5060 (D516) / RT5030 (D452)	Date: 2-Jul-13	No.: RD453008
---	----------------	---------------

## Caster Replacement Procedure

**IMPORTANT:** 3 persons are required to secure working safety.

1. Remove all trays from the LCT. See the following section of the field service manual.  
LCIT RT5040, LCIT RT5060

*1. Replacement and Adjustment > Removing Trays*

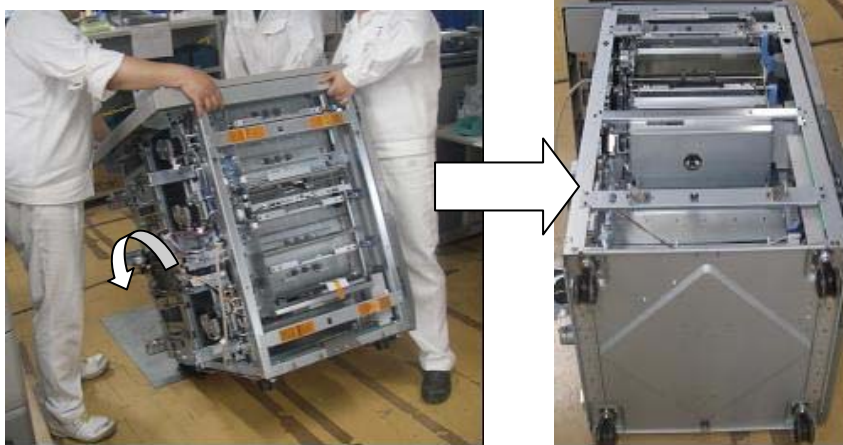
LCIT RT4000

*1. Replacement and Adjustment > Common Procedures > Trays*

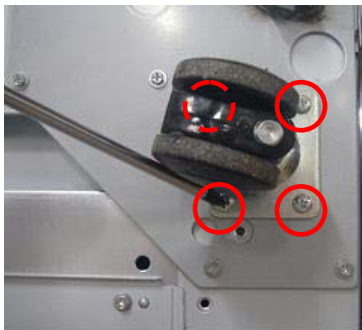
LCIT RT5030

*1. Replacement and adjustment > Trays*

2. Lay the LCT down so that the side to which the mainframe docks faces up.



3. Replace the broken caster with a new one. (Screw x4)



4. Put the LCT back to its normal position.
5. Install the trays into the LCT to complete the procedure.

Model: LCIT RT4000 (D350) / RT5040 (D453) / RT5060  
(D516) / RT5030 (D452)

Date: 2-Jul-13

No.: RD453008

## Serial Numbers of the Possibly Affected Units

Units with the following serial numbers may have the affected casters.

### LCIT RT5030

NA	EU/AP
V5621100001 to V5621100160	V5621100161 to V5621100175
V5621200001 to V5621200051	V5621100176 to V5621100197
V5630100015 to V5630100160	V5621200052 to V5621200085
V5630200001 to V5630200073	V5630100161 to V5630100172
V5630300001 to V5630300083	V5630200074 to V5630200113
V5630300139 to V5630300147	V5630300084 to V5630300123
	V5630300124 to V5630300138

### LCIT RT5040

NA	EU/AP
V5721100001 to V5721100019	V5721100020 to V5721100051
V5721200001 to V5721200043	V5721200044 to V5721200110
V5730100001 to V5730100116	V5730200032 to V5730200063
V5730200001 to V5730200031	V5730300051 to V5730300102
V5730300001 to V5730300050	

### LCIT RT5060

NA	EU/AP
W0121100001 to W0121100181	None
W0121100182 to W0121100207	
W0121200001 to W0121200224	
W0130100001 to W0130100178	
W0130200001 to W0130200043	
W0130300001 to W0130300113	

### LCIT RT4000

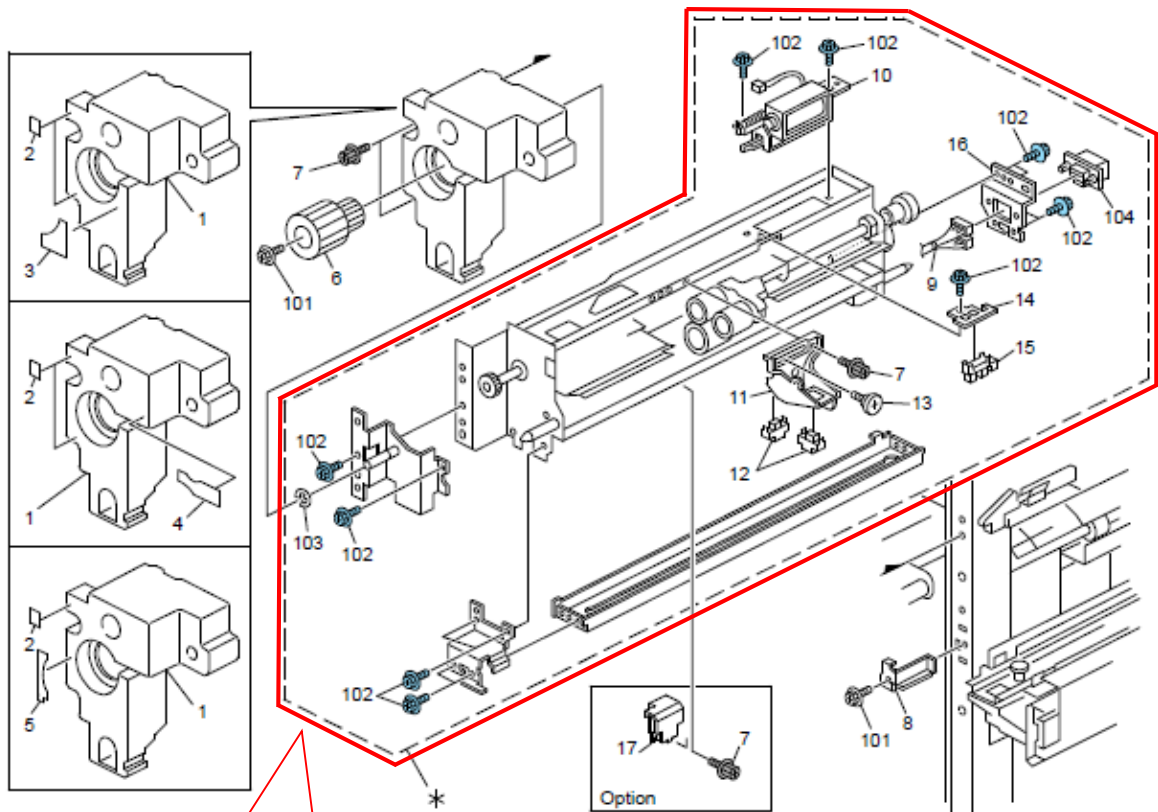
NA	EU/AP
None	M8621200056 to M8621200065
	M8630200007 to M8630200013
	M8630300001 to M8630300004

Model: LCIT RT5040		Date: 27-May-14	No.: RD453009
Subject: Parts catalog correction – Paper Feed Unit		Prepared by: J. Ohno	
From: PP Tech Service Dept., 1st PP Tech Service Sect.			
Classification:	<input type="checkbox"/> Troubleshooting	<input checked="" type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input type="checkbox"/> Other (        )	<input type="checkbox"/> Tier2

The following unit was modified for improved jam removal.

Old p/n	New p/n	Description	Q'ty	Int	Page	Index	Note
D4532500	D4532501	PAPER FEED UNIT:ASS'Y	1	-	35	*	Change

## 17.Paper Feed Unit 1 (D453)



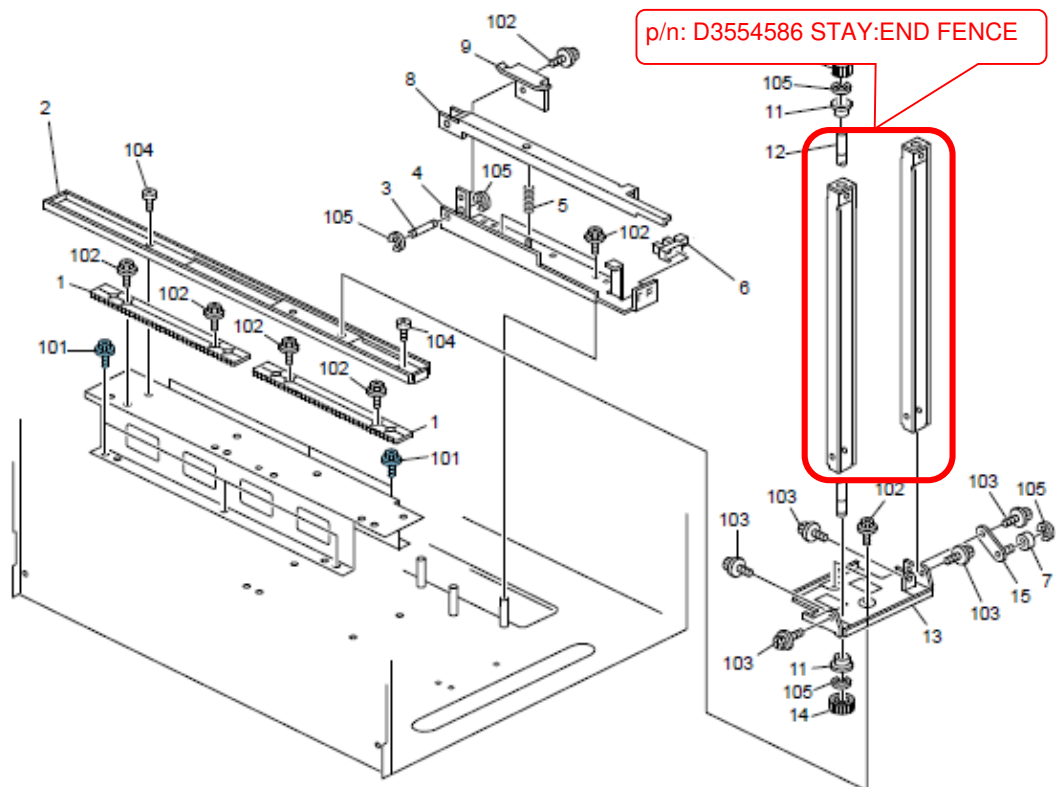
p/n: D4532501 PAPER FEED UNIT:ASS'Y

Model: LCIT RT5040		Date: 28-Nov-14	No.: RD453010
Subject: New service part – End fence stay		Prepared by: J. Ohno	
From: 3rd Tech Service Sect., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other (     )	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier 2

The following part was registered as a service part to meet requests received from the field.

Old p/n	New p/n	Description	Q'ty	Int	Page	Index	Note
-	D3554586	STAY:END FENCE	2	-	171	12	Add

## 14.Tray 5 Unit 6 (D453)

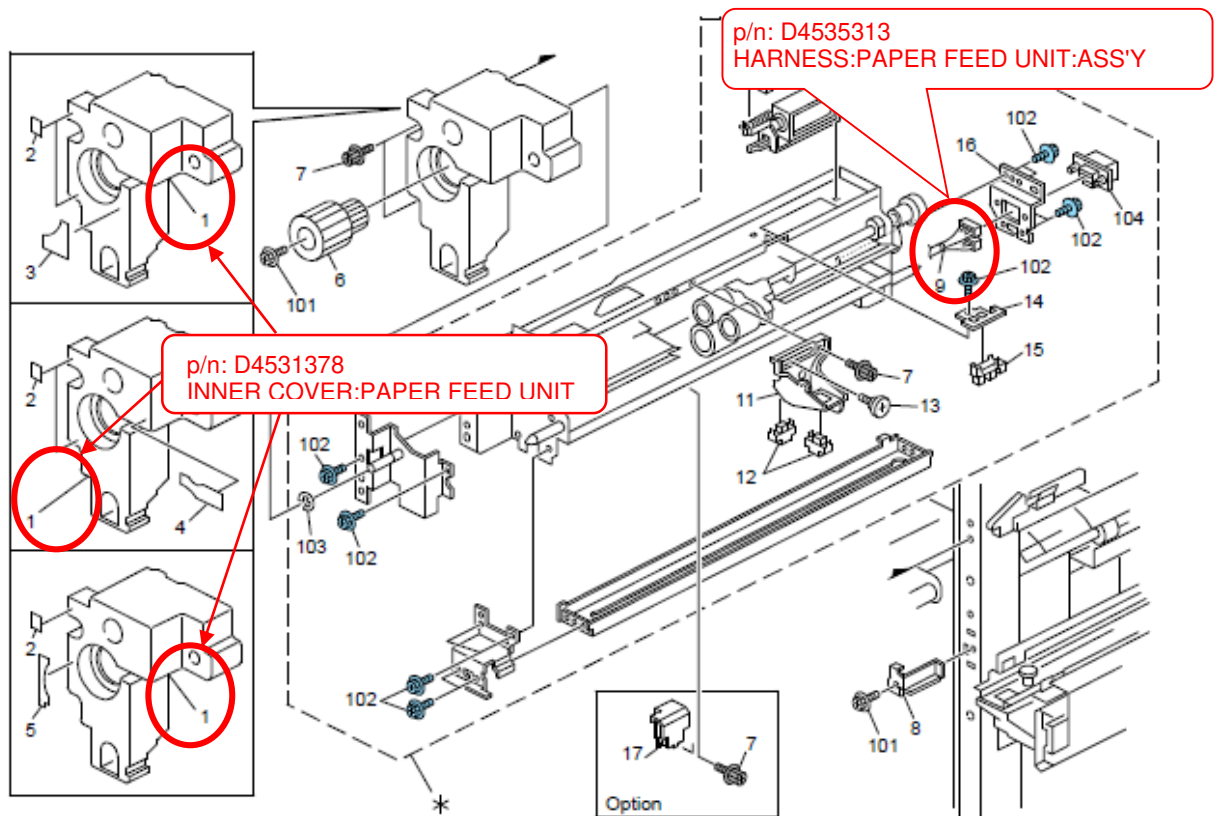


Model: LCIT RT5040		Date: 28-Nov-14	No.: RD453011
Subject: Parts catalog correction – Paper feed unit		Prepared by: J. Ohno	
From: PP Tech Service Dept., 3rd PP Tech Service Sect.			
Classification:	<input type="checkbox"/> Troubleshooting	<input checked="" type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input type="checkbox"/> Other (        )	<input type="checkbox"/> Tier2

The following parts were modified for easier jam removal.

Old p/n	New p/n	Description	Q'ty	Int	Page	Index	Note
D4535312	D4535313	HARNESS:PAPER FEED UNIT: ASS'Y	3	X/O	35	9	Change
D4531388	D4531378	INNER COVER:PAPER FEED UNIT	3	X/O	35	1	Change
B8322569	B8322579	STAY:FEED:PEEN	3	X/O	37	5	Change

## 17.Paper Feed Unit 1 (D453)



## 18.Paper Feed Unit 2 (D453)

