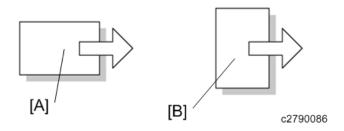
# 1 Bin Tray BN3110 Machine Code: D3CQ Field Service Manual

# Symbols, Abbreviations and Trademarks

## Symbols, Abbreviations

This manual uses several symbols and abbreviations. The meaning of those symbols and abbreviations are as follows:

Symbol	What it means
W	Clip ring
©P	Screw
<b>F</b>	Connector
Ş	Clamp
B	E-ring
<b>\$</b> \$\$	Flat Flexible Cable
0	Timing Belt
SEF	Short Edge Feed [A]
LEF	Long Edge Feed [B]
K	Black
С	Cyan
М	Magenta
Υ	Yellow
B/W, BW	Black and White
FC	Full color



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  - Microsoft® Windows Vista® Home Premium
  - Microsoft® Windows Vista® Home Basic
  - Microsoft® Windows Vista® Enterprise
- The product names of Windows 7 are as follows:
  - Microsoft® Windows® 7 Home Premium
  - Microsoft® Windows® 7 Professional
  - Microsoft® Windows® 7 Ultimate
  - Microsoft® Windows® 7 Enterprise
- The product names of Windows 8 are as follows:
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  - Microsoft® Windows® 8 Pro
  - Microsoft® Windows® 8 Enterprise
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• The product names of Windows Server 2003 R2 are as follows:

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Microsoft® Windows Server® 2003 R2 Enterprise Edition

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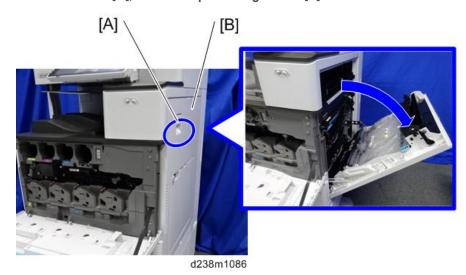
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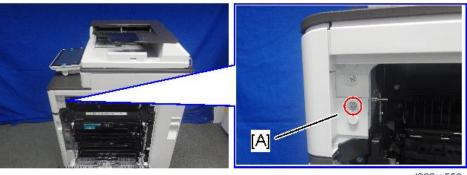
# 1. Replacement and Adjustment

## **Paper Sensor**

1. Unlock the lever [A], and then open the right door [B].

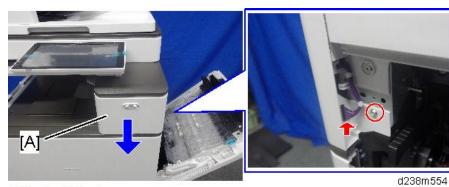


2. Small cover [A]



**™ x1** d238m553

## 3. Proximity sensor cover [A]



**愛**x1, **₹**x1



- There are three tabs at the positions of the red arrows.
- Tilt the operation panel [B], and then remove the proximity sensor cover [A].



#### d238m555

#### 4. Paper exit tray [A]



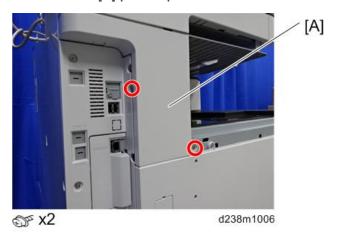
d1462023

#### 1

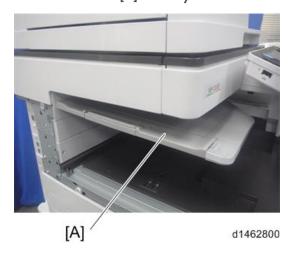
## 5. Left upper cover [A]



6. Left rear cover [A] (hook×1)



7. Remove the cover [A] carefully in accordance with the notes described below.



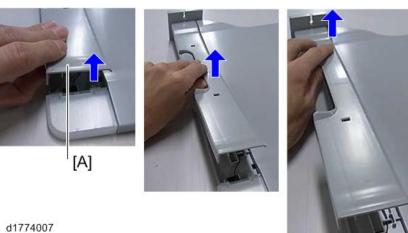


• Do not twist the cover to remove the cover as shown below. Otherwise, some hooks inside the cover may be broken.



d146z0048

• Lift up the cover [A] vertically to remove the cover as shown below.

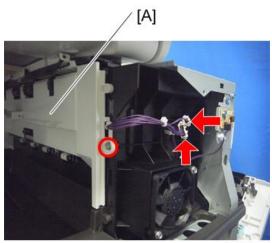


## 8. 1 bin tray [A] (\*\*x1)



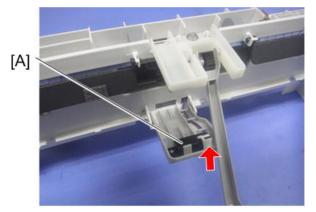
d1462801

## 9. 1 bin tray unit [A] (5°×1, 6°×2)



d1462477

## 10. Paper sensor [A] (💝×1)



d1462803

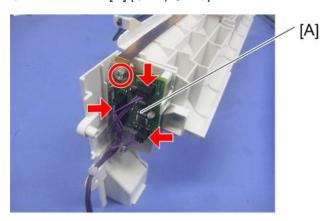
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#### 6

## Board

## **Controller Board**

- 1. 1 bin tray unit (page 7)
- 2. Controller board [A] (@×1, &×3)

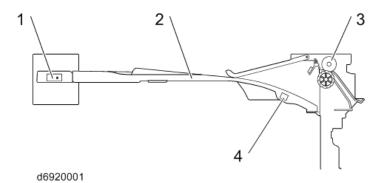


d1462804

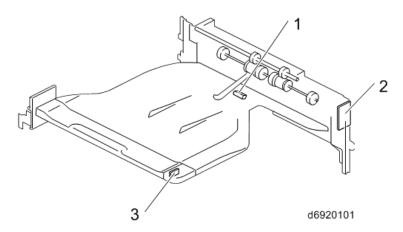
# 2. Detailed Descriptions

# 1 Bin Tray BN3110 (D3CQ)

## Parts Layout



No.	Description	No.	Description
1	LED	3	Paper exit roller
2	Paper tray	4	Paper sensor



No.	Description	No.	Description
1 Paper sensor		3	LED
2 Controller board			

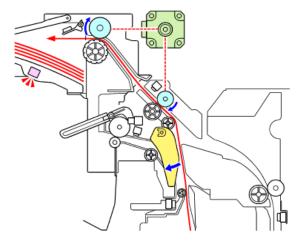
## Mechanism

## Paper detection display

The paper sensor is located in the 1 bin unit. When paper is detected, the LED lights up.

## Paper exit roller drive mechanism

The 1 bin paper exit roller is driven by the main motor through a gear and timing belt.



d6920102

#### Paper ejection mechanism

Paper transported from the mainframe's paper exit is ejected to the 1 bin tray by the paper exit roller.