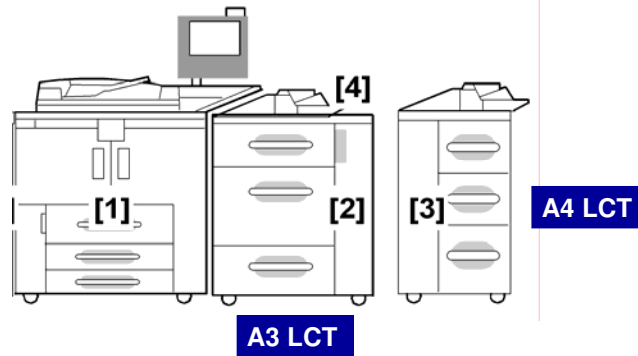




- ☐ This LCT is similar to the D452 LCT, but it can use larger paper. This presentation explains the differences.

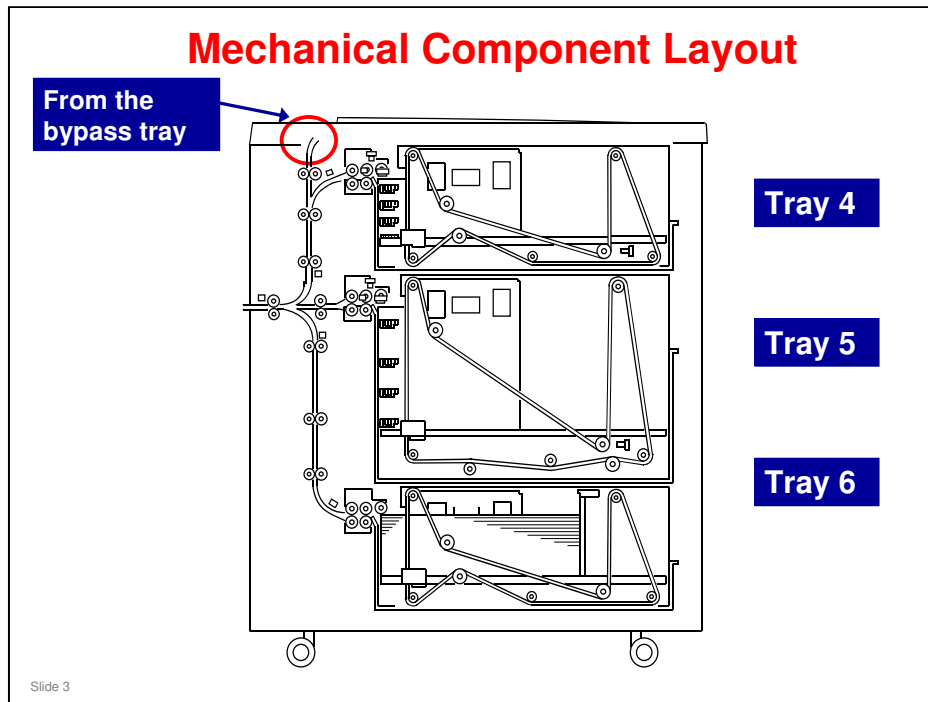
Overview

- ❑ There are three trays.
- ❑ Maximum size: 13" × 19", 320 × 450 mm
- ❑ Each tray has its own paper feed drive mechanism.
- ❑ From top to bottom the trays are named 4th Tray, 5th Tray, and 6th Tray.

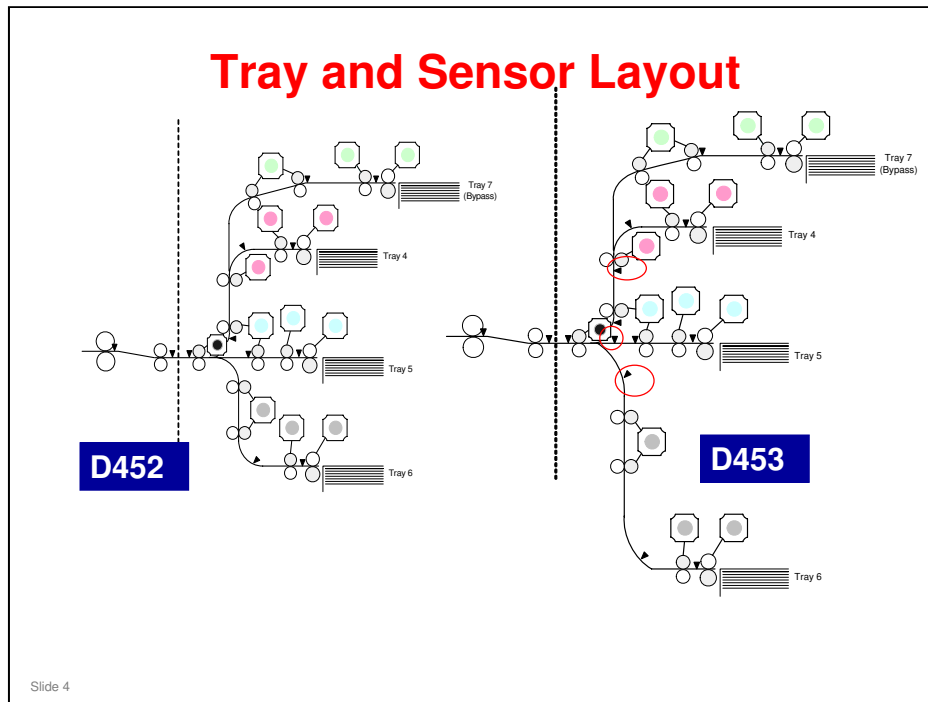


Slide 2

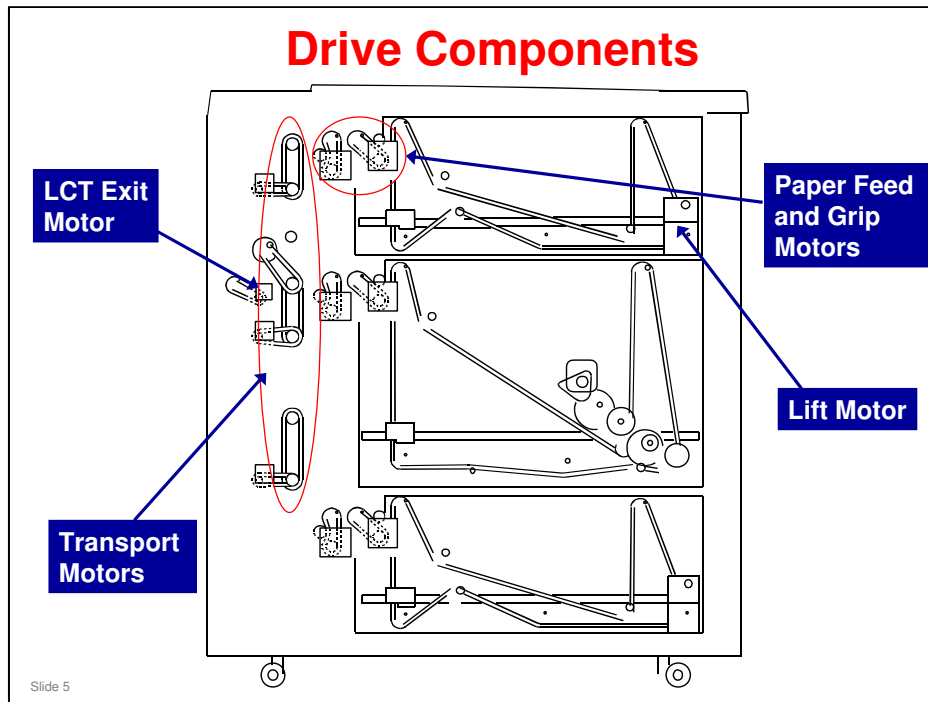
- ❑ The differences from D452 are underlined.



- ☐ Note that the large tray is in the middle.
- ☐ In the D452, the large tray is at the bottom.
- ☐ Because of this, two additional relay sensors are needed to monitor paper feed up from the bottom tray to the paper exit. This paper feed path is longer in the D453, because paper has to feed up past the large tray (tray 5).



- ❑ D453 has additional relay sensors shown in red circles.
- ❑ Note the big gap between the top of tray 6 and the exit from the D453. This is because the middle tray is a big one. In the D452, the lower tray is the big one, so there is no big gap.



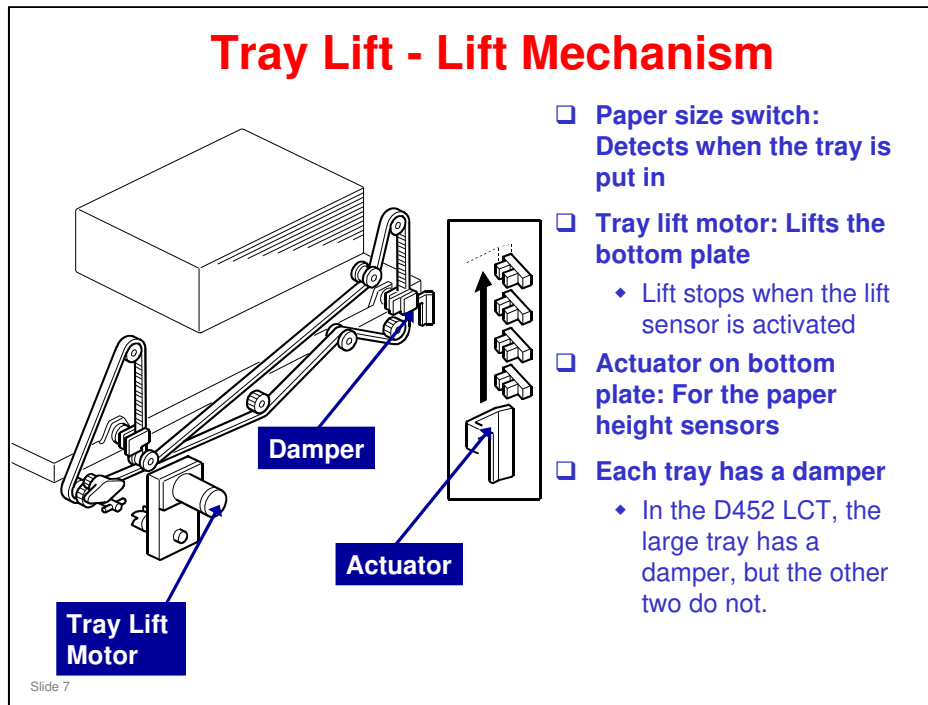
- ❑ Each tray has a lift motor.
 - The drive belt system for the paper lift mechanism is different from the D452.
- ❑ Each tray has a paper feed motor and a grip motor. These feed the paper out of the tray.
- ❑ Each tray also has a transport motor, to feed the paper towards the paper exit.
- ❑ The LCT exit motor drives the rollers that feed the paper out of the LCT and into the copier.

Paper Feed Mechanism

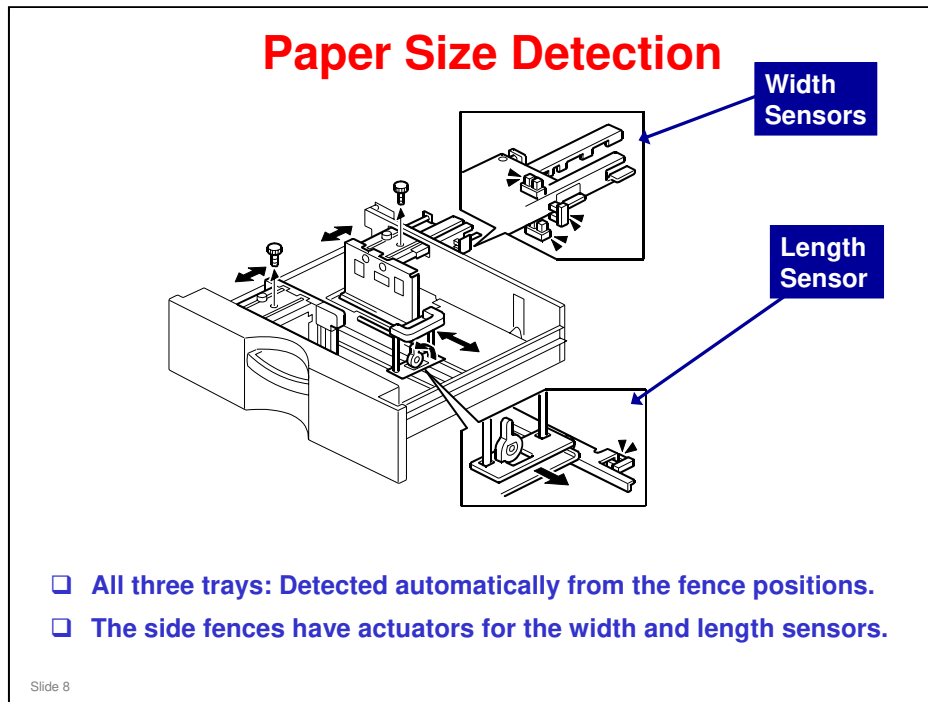
- ☐ Same as for the D452

Slide 6

No additional notes



- ❑ Lift sensor: Same as D452.



No additional notes

Paper Size Detection

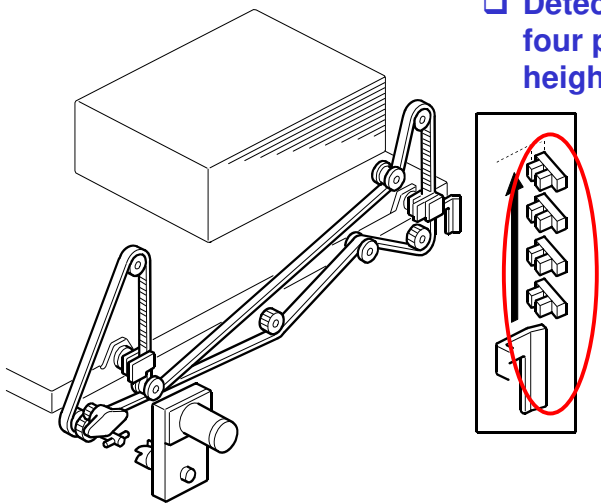
- ❑ **There is no SP mode to determine how the machine detects certain paper sizes that are very similar.**
- ❑ **The machine detects the paper size automatically using the sensors.**
 - ◆ For paper sizes that are similar, the machine has a default. If the customer uses a paper size that is similar to but different from the default, and the machine does not detect the size correctly, they can press the Tray Paper Settings button on the operation panel, and select the paper size that they are using.
 - ◆ This system also operates for other paper trays, such as the bypass tray and the cover interposer.

Slide 9

- ❑ 13 x 19" paper is included as a paper size in the manual. The LCT can use this paper size, but it is not recommended for the B-C3 because of problems during quality tests by the designers.

Remaining Paper Detection

□ Detected by
four paper
height sensors



Slide 10

No additional notes

Paper End Detection

- ☐ Same as for the D452

Slide 11

No additional notes

Fans for Air-assisted Feed

- ❑ These fans operate whenever you select coated paper, special paper 2, thick paper 2, or thick paper 3.
- ❑ You can adjust the air flow from the fans with SP1920-001 to 003.
 - ◆ SP1920-001: Tray 4
 - ◆ SP1920-002: Tray 5
 - ◆ SP1920-003: Tray 6

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No additional notes

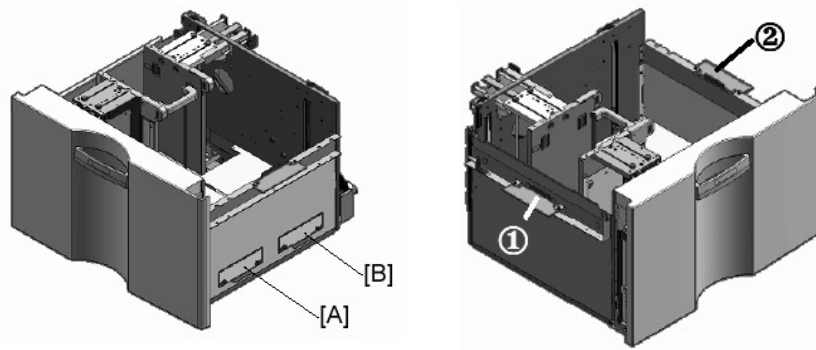
Replacement

- ❑ **When you lift or remove a tray, always use the carrying handles**
 - ◆ LCT service manual, Replacement and Adjustment, Removing Trays
 - ◆ Remove the handles from their storage locations at the side of tray 5, and attach them to the necessary tray (tray 4, 5, or 6) as shown in the manual, before you lift or remove a tray.
- ❑ **Never remove a tray if the LCT is not docked to the copier. This can unbalance the LCT and cause it to fall over.**
- ❑ **Do not remove the blue screws that hold the frame together.**
 - ◆ LCT service manual, Replacement and Adjustment, Front Door and Covers

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- ❑ Make sure that the correct rollers are installed in the correct places, because it is possible to mix them up.
- ❑ The next slide shows the storage locations for the carrying handles.

Carrying Handles



- ☐ These are stored on the side of tray 5 (the large tray), at [A] and [B]
- ☐ When you lift one of the three trays, attach the handles at 1 and 2.
- ☐ Put them back at [A] and [B] after you have finished.

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No additional notes

Replacement

❑ Image position sensor (CIS)

- ◆ After you replace this sensor, you must do the Image Position Sensor Strength and Side-To-Side Registration adjustments

❑ Side-to-side registration adjustment

- ◆ The mechanical adjustment to change the screw positions is normally not needed in the field. It is a factory adjustment only.
- ◆ To adjust registration, do the CIS adjustment (as explained later in that section of the manual).
 - » One of the user tool numbers is different from the B-C3.5.

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No additional notes

Feed Roller Replacement

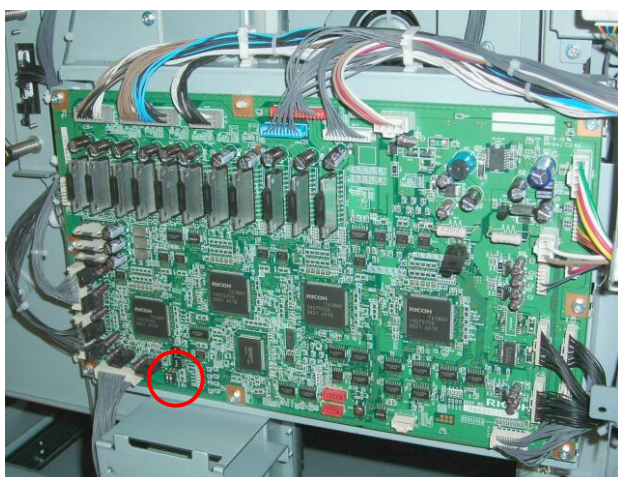


- ❑ During replacement of the feed rollers, this bracket must be shifted to the front in order to replace the rollers.
- ❑ This bracket must be moved back to its original position after replacement is finished.

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- ❑ This is a TCRU procedure. However, customers can forget to do this.

Main Board



- ❑ Do not adjust the DIP switches.

Slide 17

No additional notes