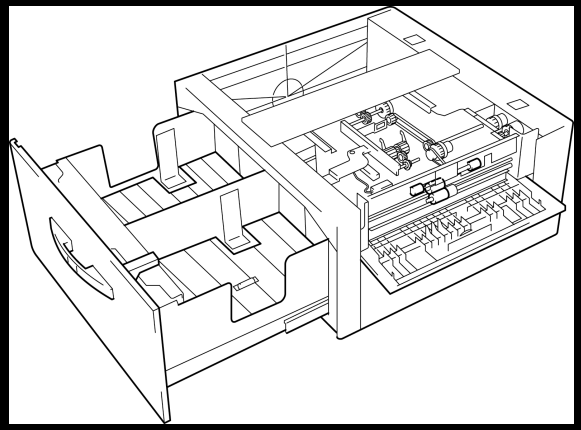
DB-432 Large Capacity Tray



Specifications

Type	Front Loading Type
Type of Paper	Plain paper
Paper Size	B5C, A4C or Letter C
Paper Weight	64 to 90 g/m² (17 to 24 lbs.)
Alignment	Center
Paper Capacity	2500 sheets (1250 × 2): 80 g/m² (21-1/4 lbs.)
Power Source	DC24V ± 10% (supplied from copier)
Power Consumption	45 W or less
Dimensions	Width: 535 mm (21 in.) Depth: 568 mm (22-1/4 in.) Height: 283 mm (11-1/4 in.)
Weight	17.0 kg (37-1/2 lbs.)

Detailed Specifications

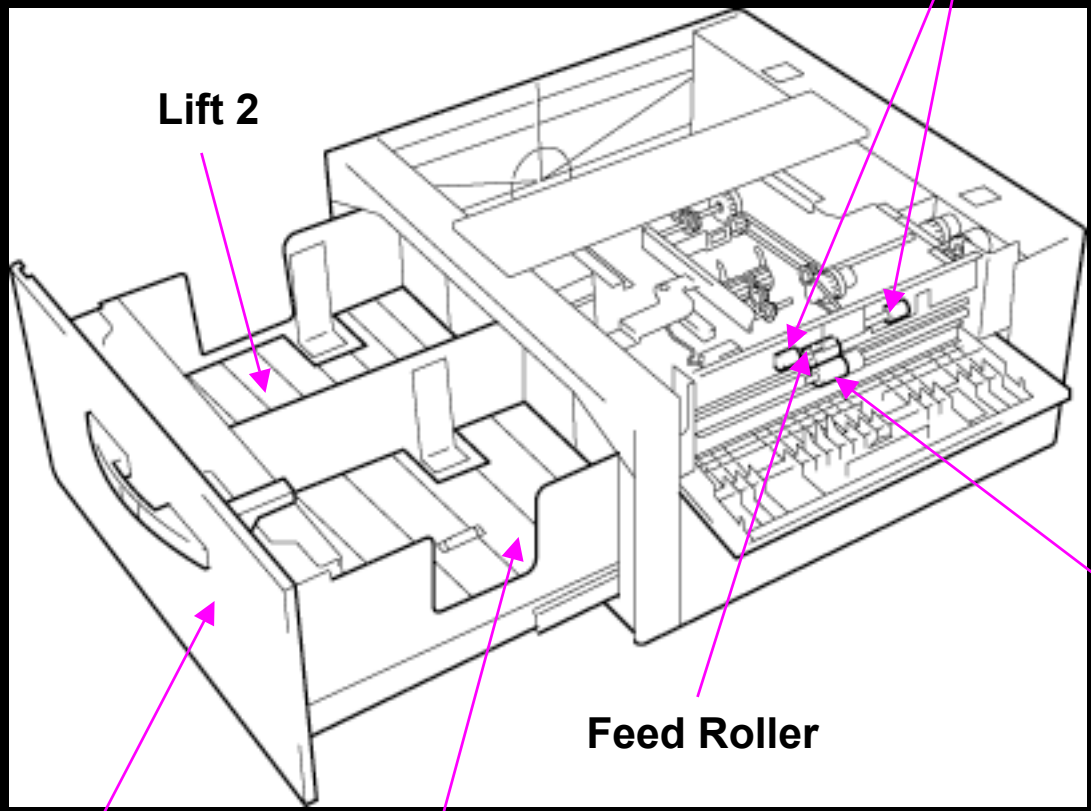
Differences from DB-431 for 7920

- Difference in Control due to System Speed
  - Addition of Speed Reduction Control for compensation of paper take-up variation due to the increase of system speed

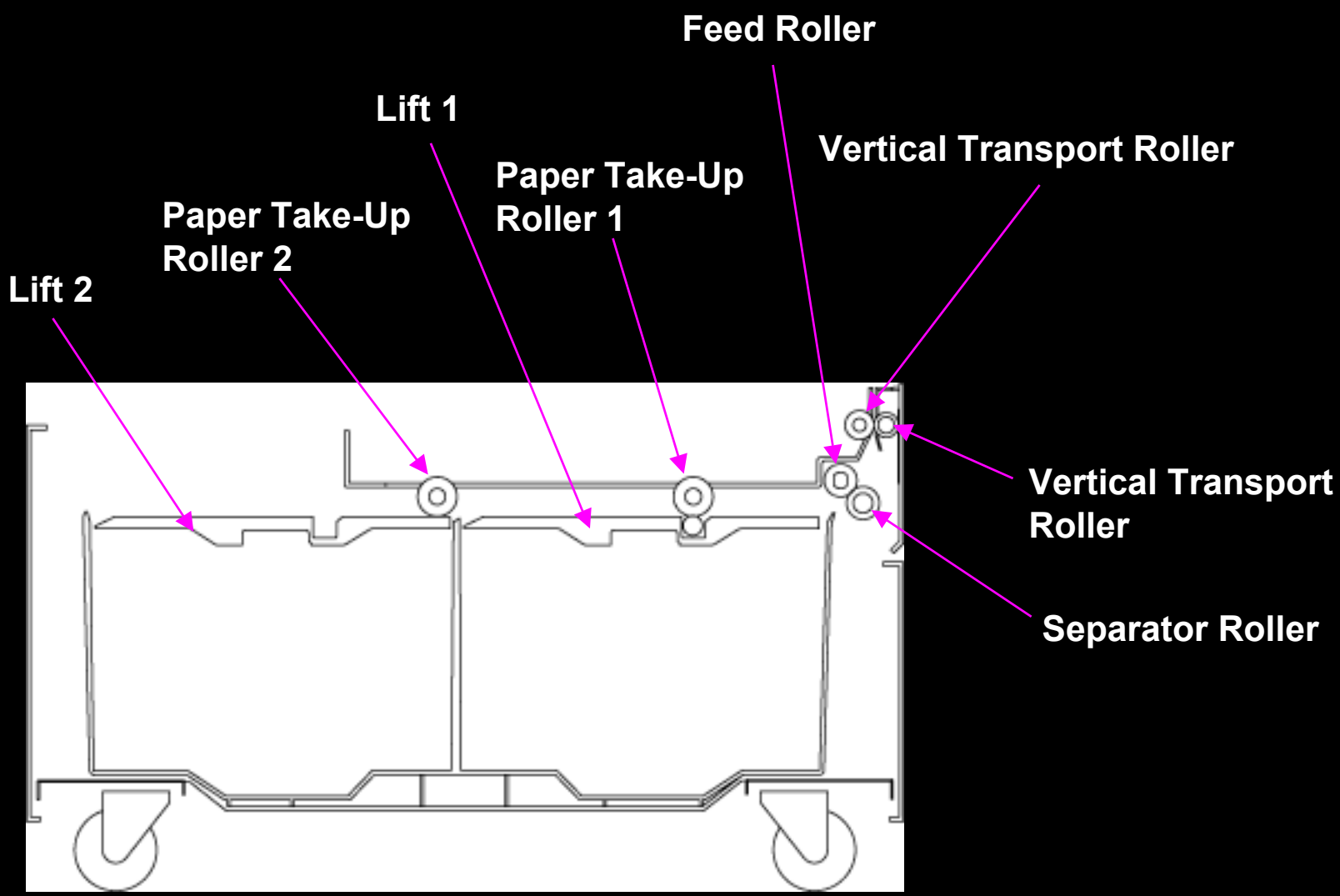
	7920	8031	8020
Full Color	90 mm/s	135 mm/s	90 mm/s
Monochrome	90 mm/s	135 mm/s	135 mm/s
ACS	90 mm/s	135 mm/s	90 mm/s
Special Paper	60 mm/s	60 mm/s	60 mm/s

ACS: Auto Color Selection

Component Identification

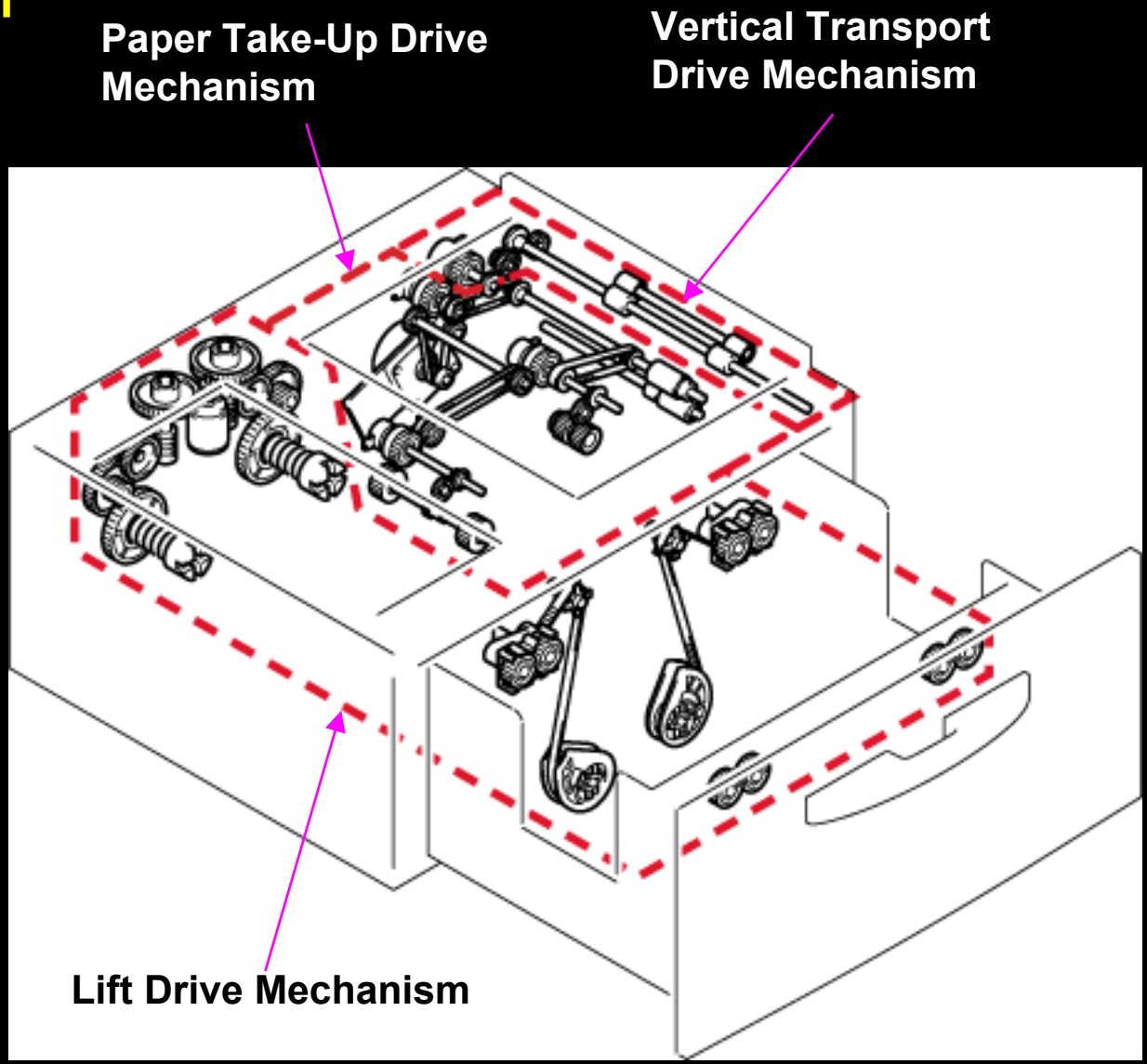


Cross-Sectional View



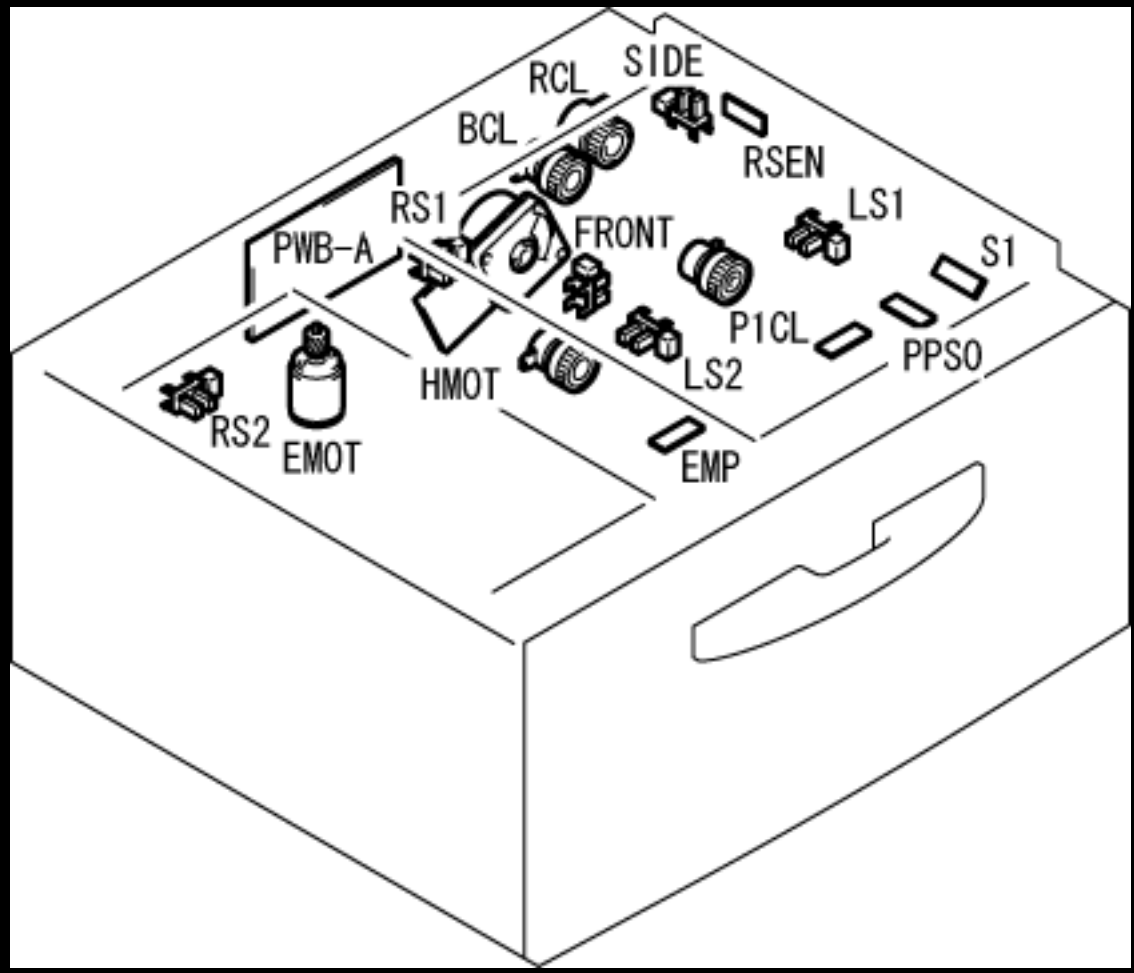
Component Identification (1)

Drive System



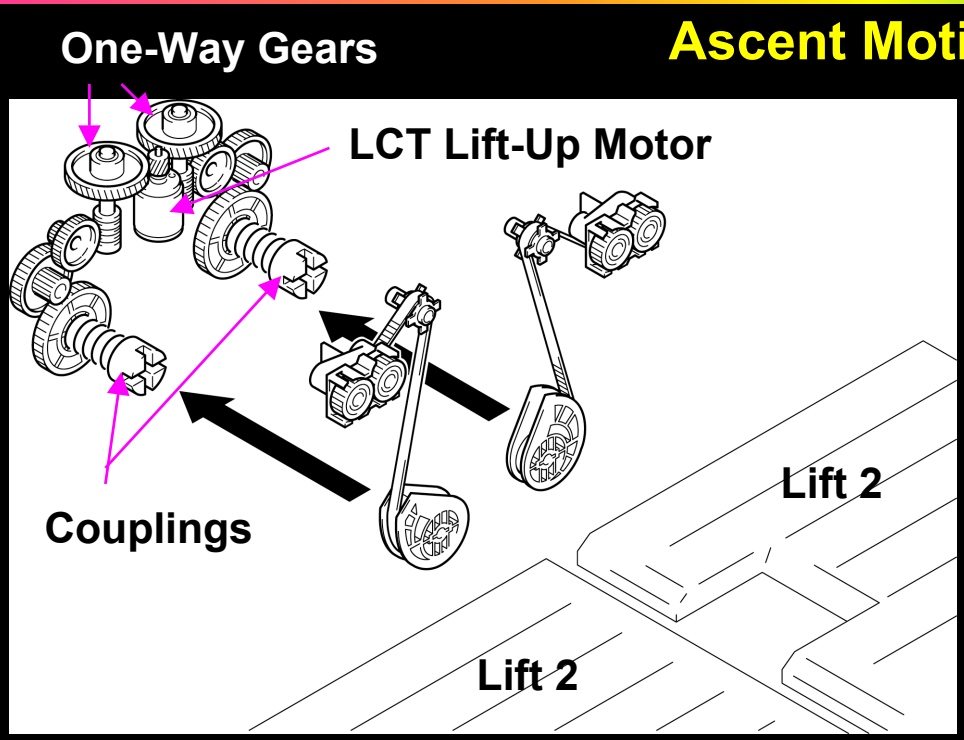
Component Identification (2)

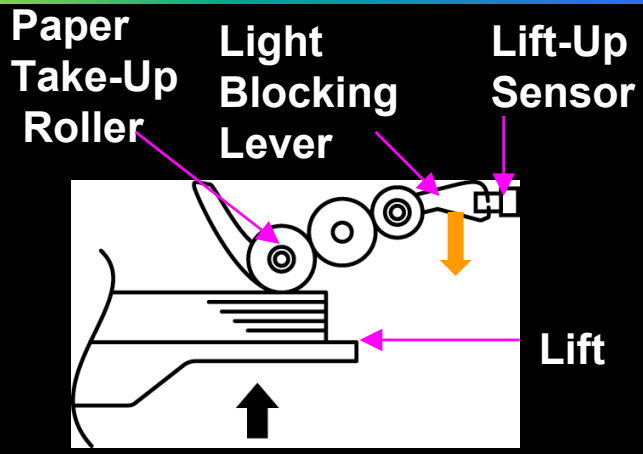
Electrical Components Layout



Lifting Mechanism

Ascent Motion





LCT Set Sensor is activated.

⬇

LCT Lift-Up Motor turns forward.

⬇

Lift-Up Sensor 1 is activated.

⬇

LCT Lift-Up Motor turns backward.

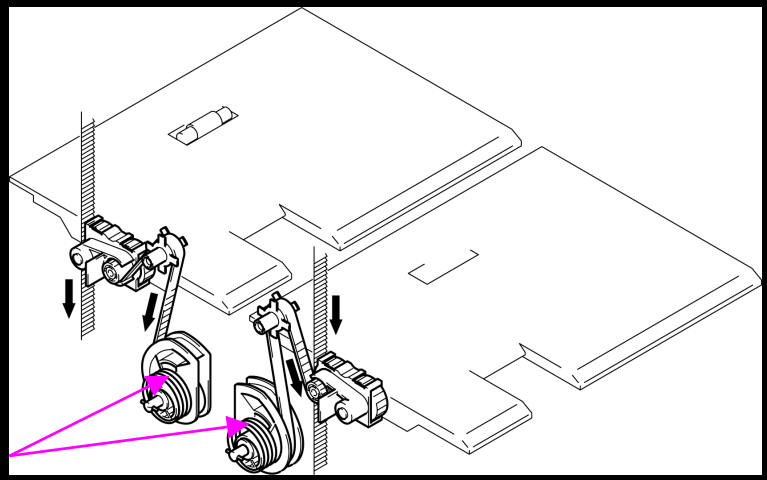
⬇

Lift-Up Sensor 2 is activated.

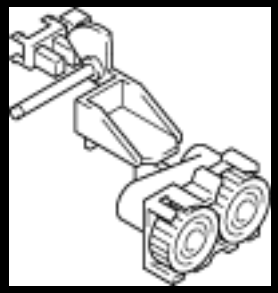
⬇

LCT Lift-Up Motor stops turning.

Descent Motion

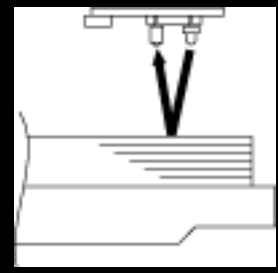


Paper Empty Detection

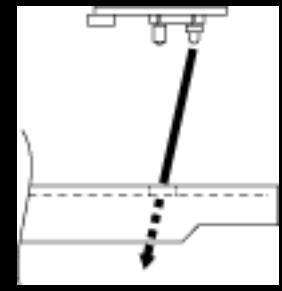


Paper near empty detected

When Tray is loaded with paper



When tray is not loaded With paper

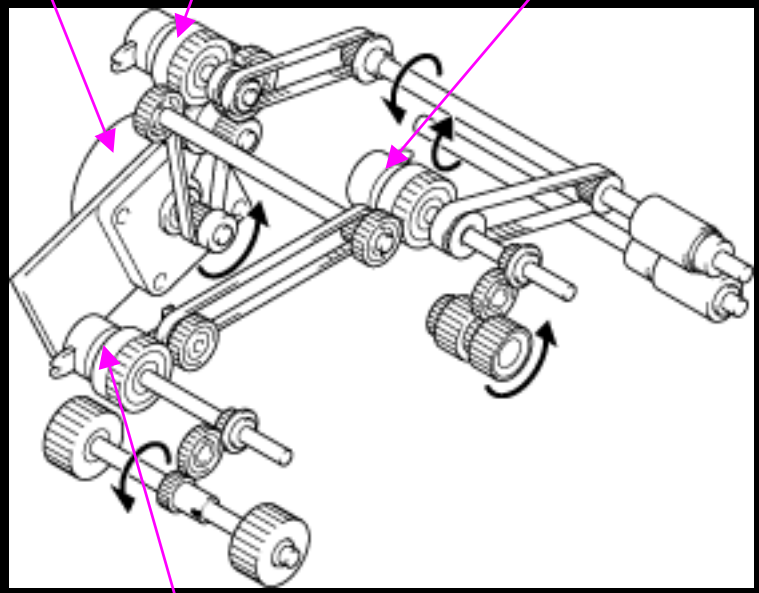


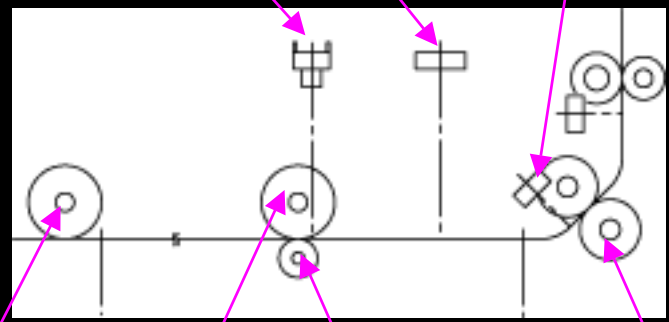
Predetermined No. of Sheets (Paper Level): 100 ± 50 sheets

	Lift 1		
Lift 2		Paper near empty	Paper empty
	Paper near empty	❍	❍
	Paper empty	❍	●

❍ : Paper near empty display ● : Paper empty display

Paper Take-up Mechanism





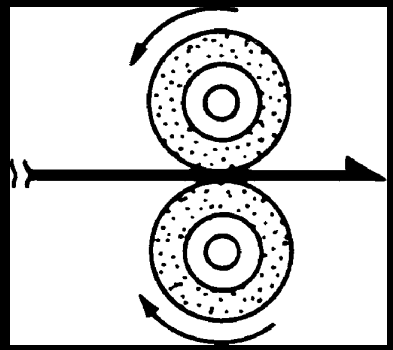
Paper Separating Mechanism

Normal Feeding

Feed Roller

Paper

Separator Roller



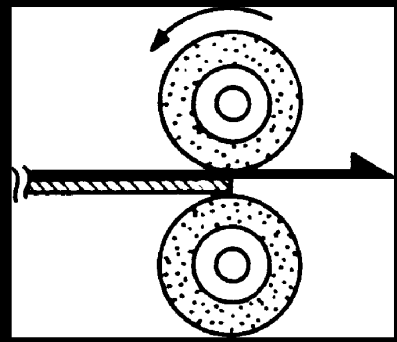
Double Feeding

Feed Roller

1st Sheet of Paper

2nd Sheet of Paper

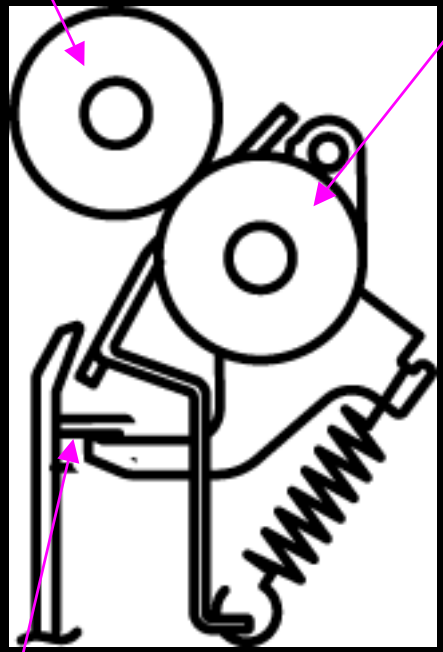
Separator Roller

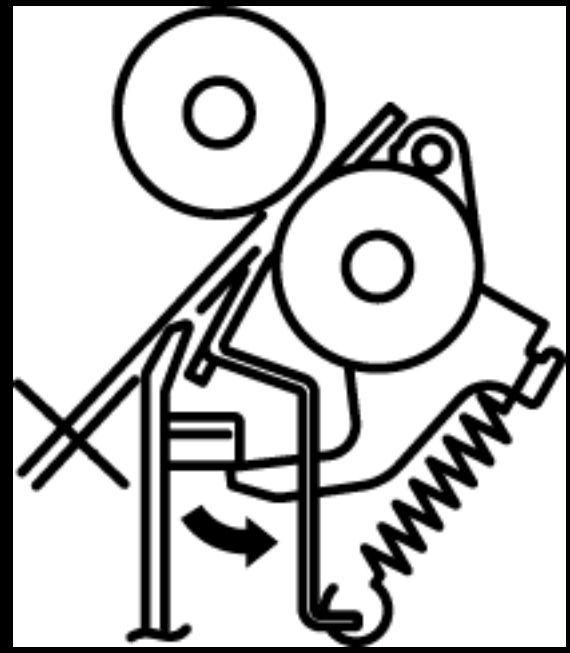


Paper Pressure Release Mechanism

Feed Roller

Separator Roller Assembly

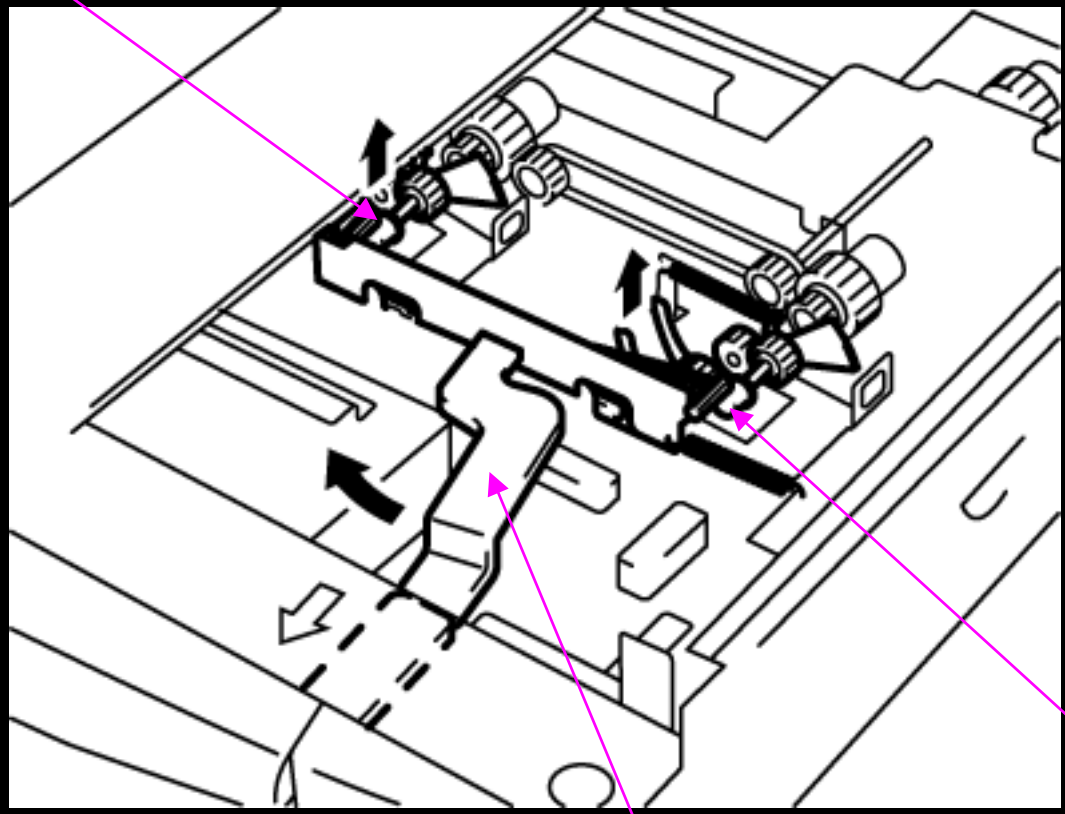




Pressure Release Rail

Take-Up Roller Retracting Mechanism

Paper Take-Up Roller 2

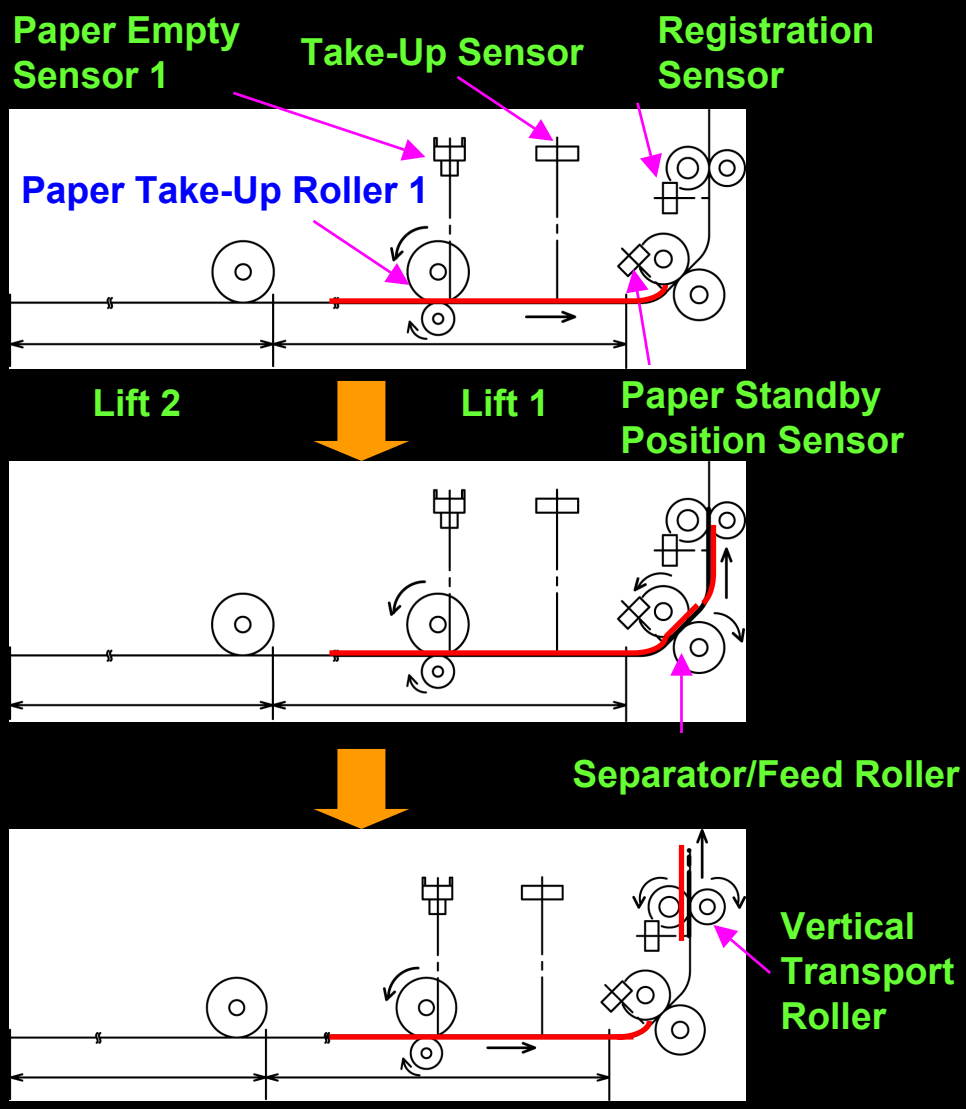


Pressure Release Lever

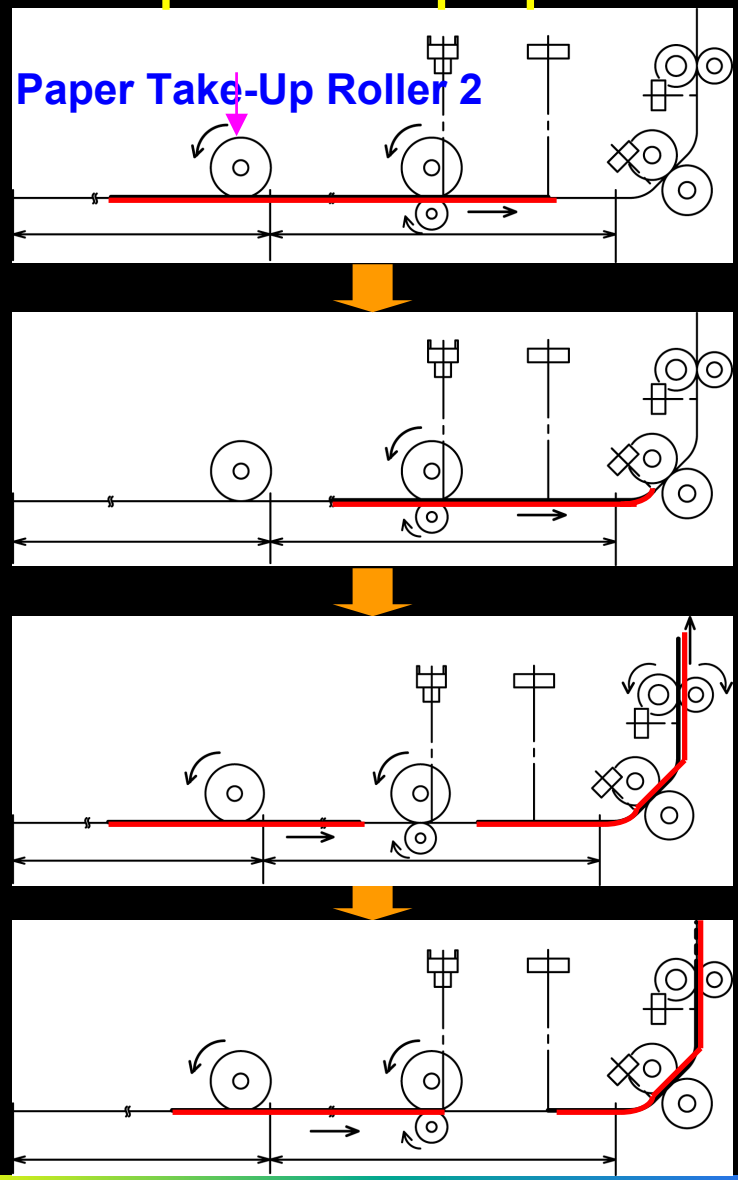
Paper Take-Up Roller 1

Paper Take-Up Operations

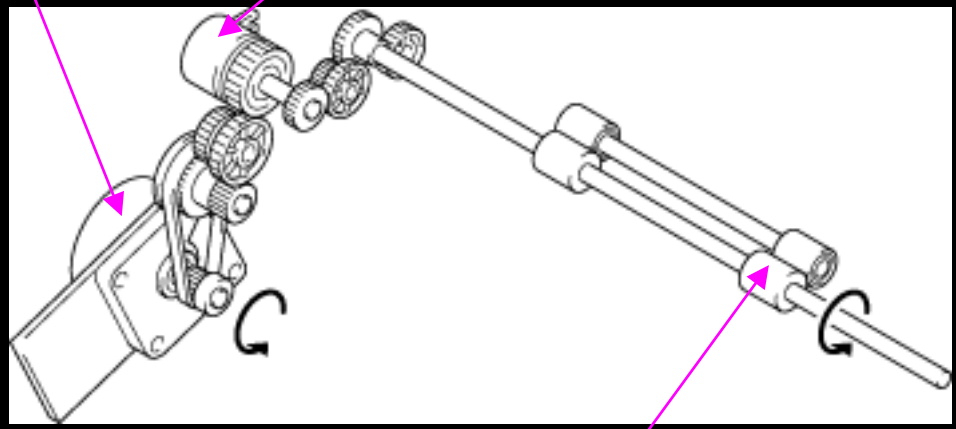
Lift 1 Paper Take-Up Operations

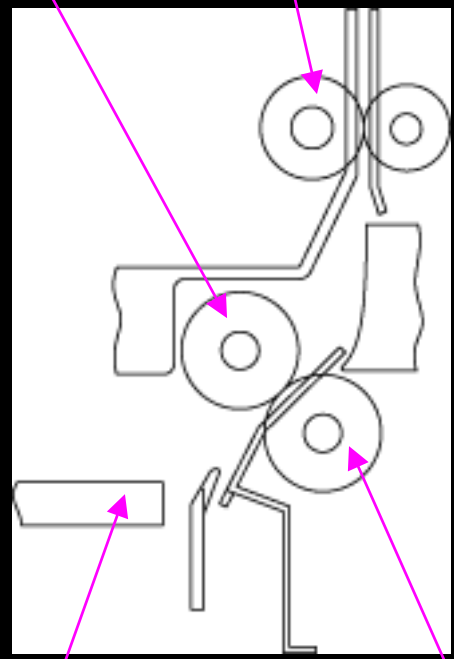


Lift 2 Paper Take-Up Operations

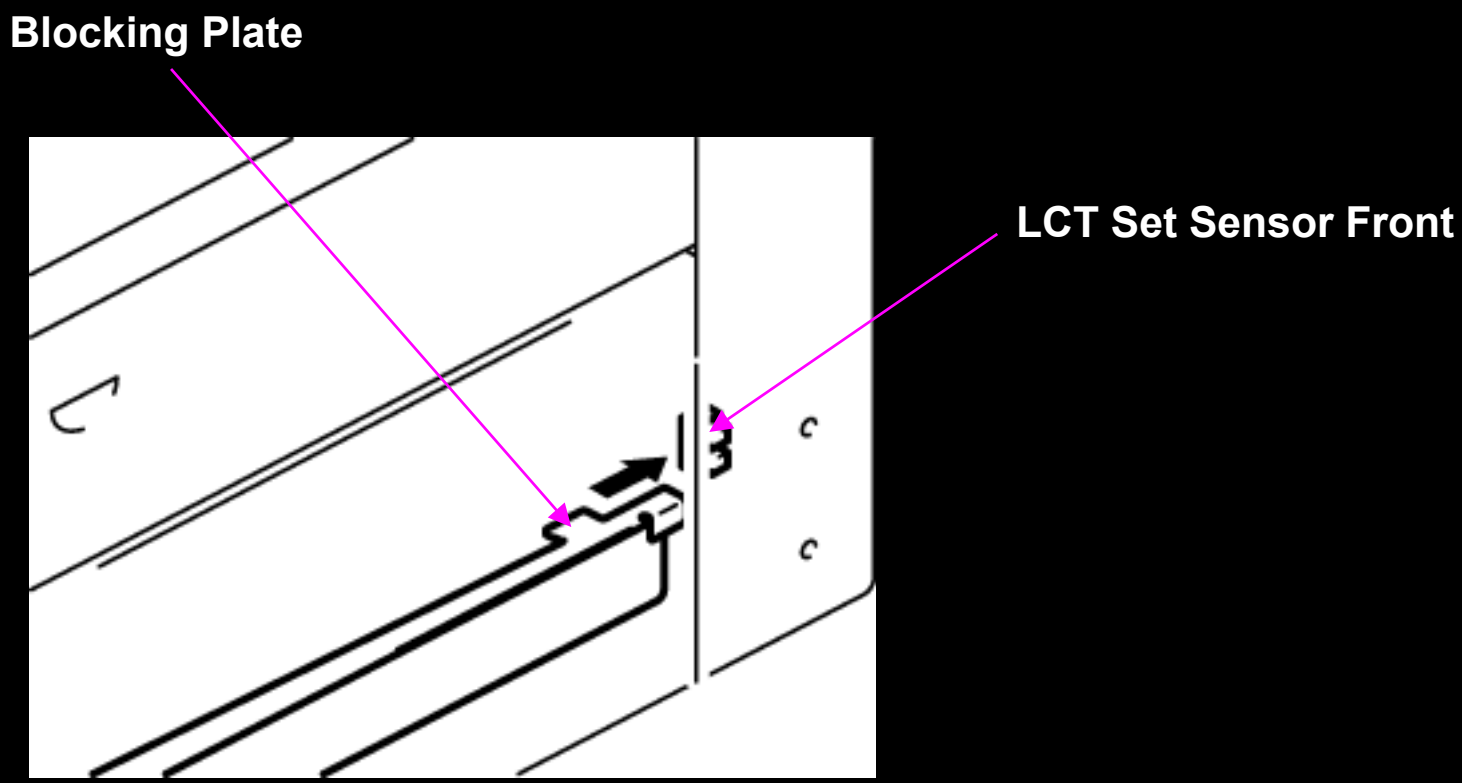


Vertical Transport Drive Mechanism



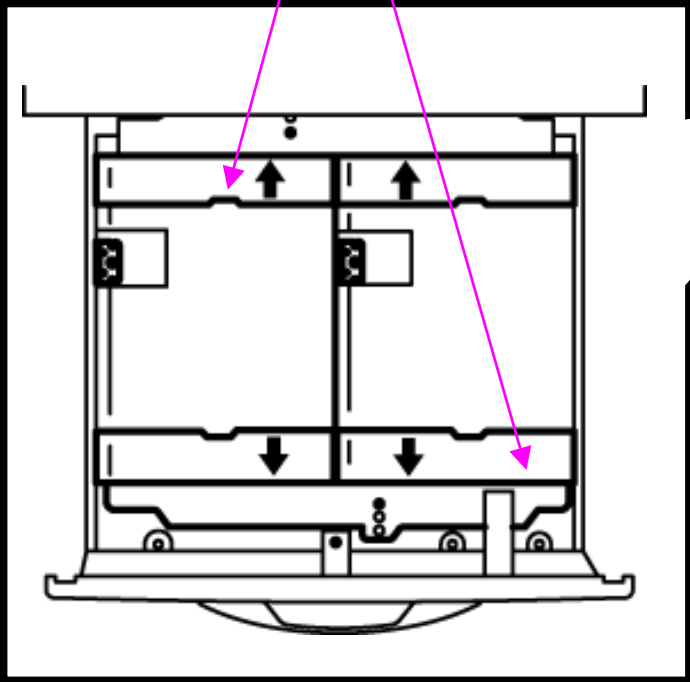


LCT-in-Position Detection

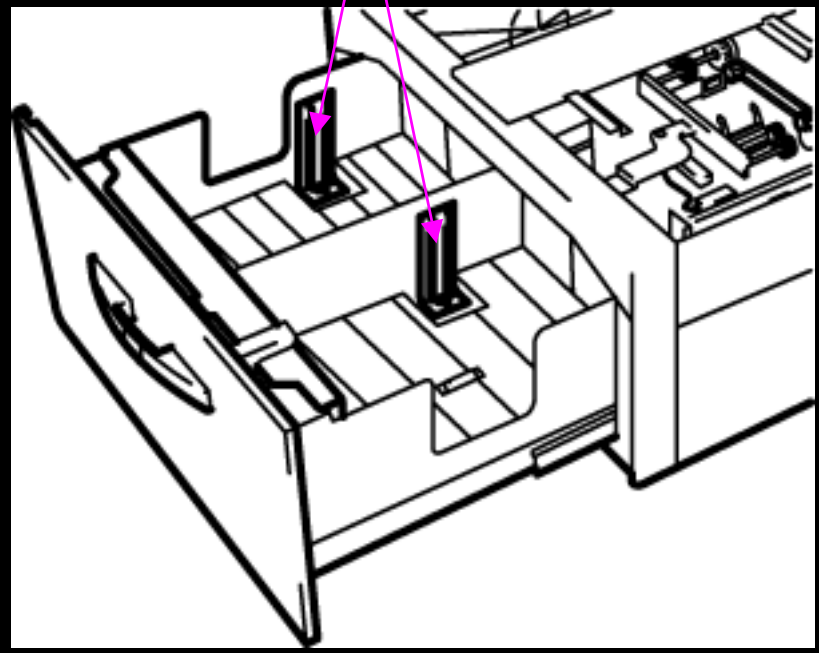


Edge Guides and Trailing Edge Stop

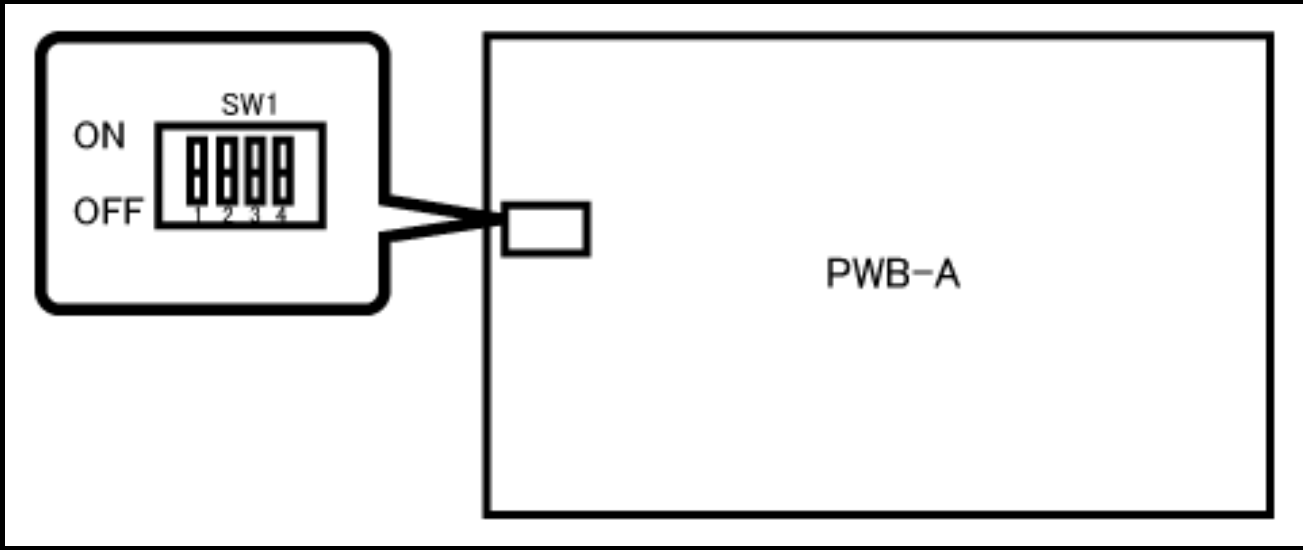
Slider



Trailing Edge Stop



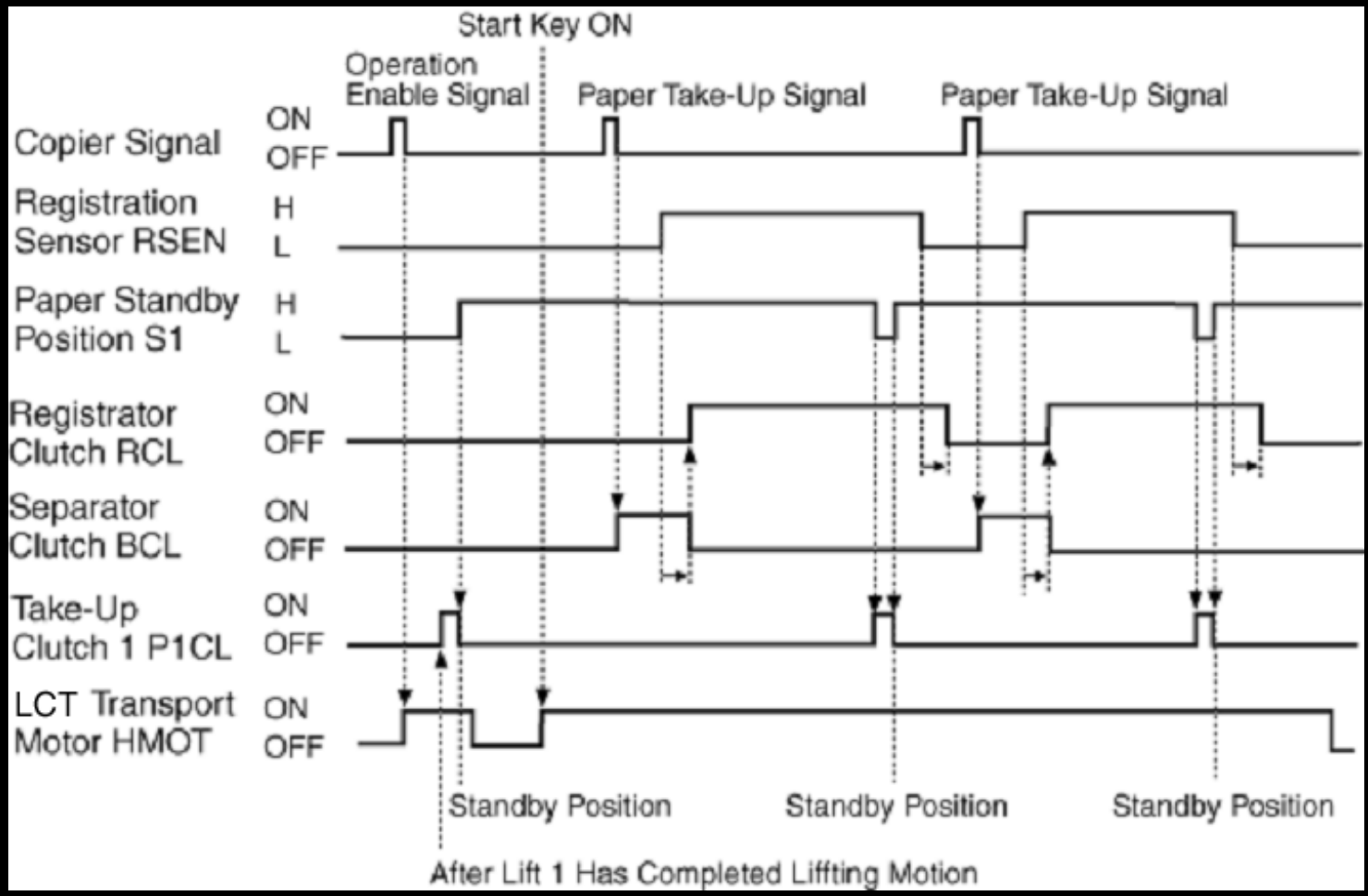
Paper Size Setting



SW1	1	2	3	4
B5C	OFF	ON	OFF	OFF
A4C	ON	OFF	OFF	OFF
LetterC	OFF	OFF	OFF	OFF

Operating Sequence (1)

Taking up and feeding two sheets of paper from Lift 1



Operating Sequence (2)

Taking up and feeding two sheets of paper from Lift 2

