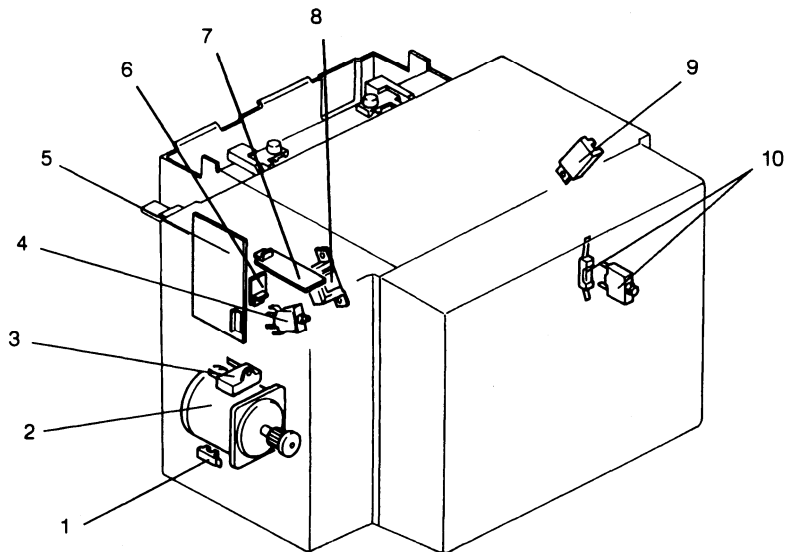


1. SPECIFICATIONS

Copy Paper Size:	B4 (lengthwise, 257 mm x 364 mm) A4 (lengthwise or sideways, 210 mm x 297 mm) B5 (lengthwise or sideways, 182 mm x 210 mm) Legal (lengthwise, 8½" x 14") Letter (lengthwise or sideways, 8½" x 11")
Copy Paper Weight:	45 g to 105 g (14 lb to 28 lb)
Tray Capacity:	Approximately 2500 sheets
Lift Time:	Maximum: 33 seconds (50 Hz) 28 seconds (60 Hz)
Power Source:	220 V, 50 Hz, 0.3 A 240 V, 50 Hz, 0.3 A 115 V, 60 Hz, 0.6 A
Power Consumption:	Maximum: 60 Watts
Dimensions (W x D x H):	284 mm x 535 mm x 385 mm
Weight:	115 V → 15 kg 220,240 V → 17 kg

2. ELECTRICAL COMPONENT LAYOUT



1. LCT HP Sensor

2. LCT Drive Motor

3. Motor Capacitor

4. Cover Safety Switch

5. LCT Main PCB

6. LCT Paper Size PCB

7. LCT Operator PCB

8. Transformer (220/240 V)

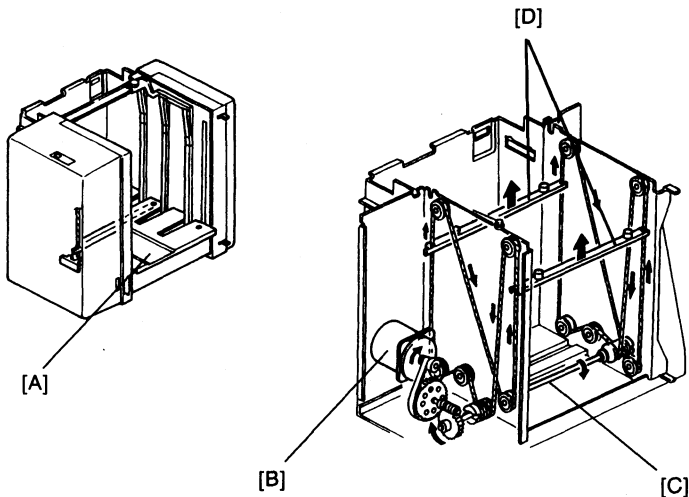
9. LCT Paper Volume Sensor

10. Circuit Breaker (115 V)

10. Fuse (220/240 V)

3. FUNCTIONAL AND ELECTRICAL OPERATION

3.1 TRAY OPERATION

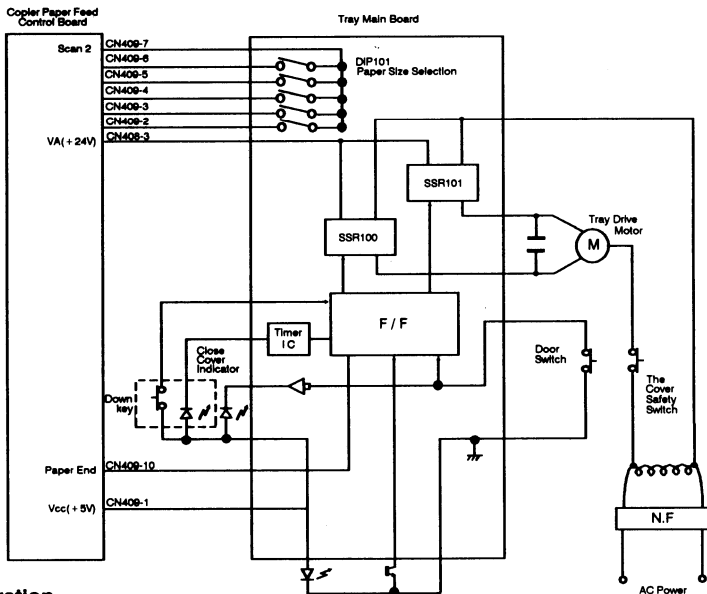


Overview

The bottom plate [A] of the large capacity tray is raised and lowered by a wire and pulley mechanism. This mechanism is driven by the tray motor [B] (reversible ac motor).

Drive power is transmitted directly to the tray drive shaft [C] via a worm gear and worm wheel. The tray wires have braces on them; these braces hold the ends of the two lift rods [D] which support the tray bottom plate. When the wire drive pulley turns clockwise, the braces on the wires raise the lift rods and the tray bottom plate. The bottom plate rises until the paper in the tray pushes up the pick-up roller, actuating the lower lift sensor.

The tray bottom plate lowers when the tray drive motor turns the wire drive pulley counterclockwise. It stops moving down when the actuator plate, on the left lift rod, actuates the tray down sensor.



Down Operation

The bottom plate moves down either when the Down key is pressed or when paper runs out. When either condition occurs, the flip-flop on the tray main board changes state (all outputs change from LOW to HIGH or vice versa). Then, two things happen simultaneously: (1) The timer circuit turns on, causing the LED in the Down key to blink; and (2) SSR100 turns on, energizing the drive motor to move the tray down.

The tray down sensor is actuated when the bottom plate is fully lowered. This causes the flip-flop to change back to its original state, which turns off SSR100 and resets the timer circuit. The LED in the Down key stays on.

Up Operation

Up operation is started by opening and closing the cover while the bottom plate is moving down or in the down position. The cover safety switch changes the state of the flip-flop to energize SSR101, which turns on the drive motor to move the tray up. The drive motor stays on until the paper pushes up the pick-up roller. The actuator on the pick-up roller bracket then moves out of the upper limit sensor; this again changes the flip-flop's state and the motor stops.

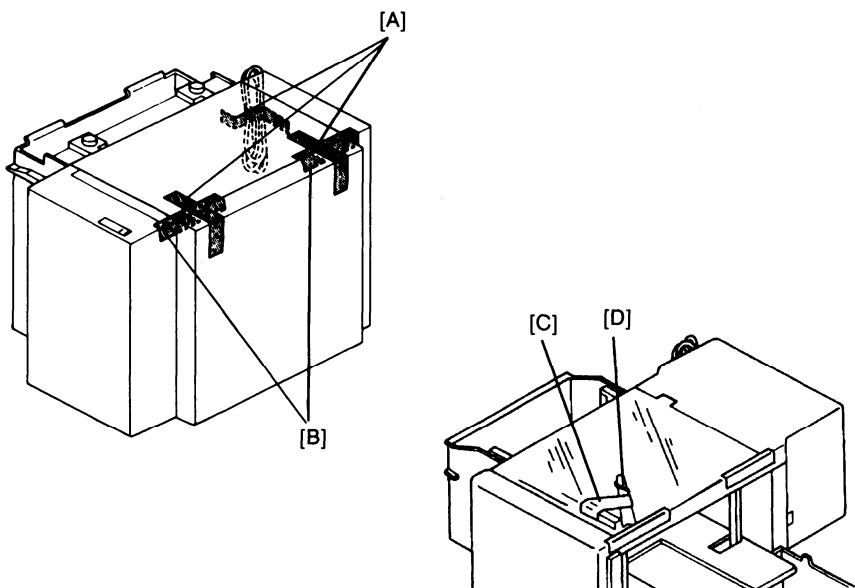
4. INSTALLATION

4.1 Accessory Check

Check the quantity and condition of the accessories in the box according to the following list:

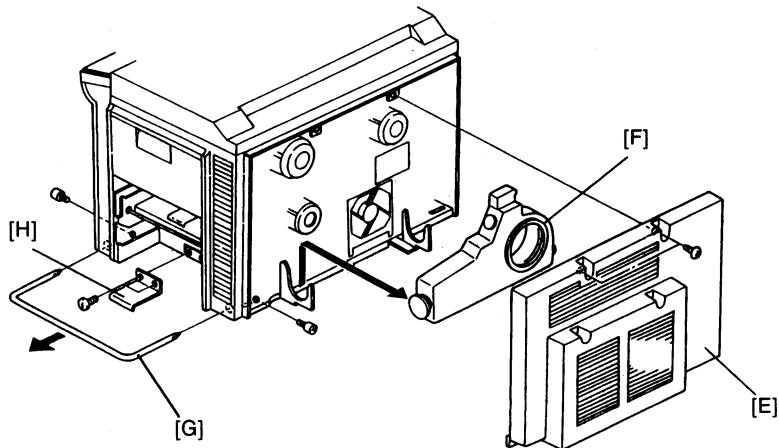
1. Holder Plate	2
2. Nylon Clamp	1
3. Pan Head Screw - M4 x 8	3
4. Multiple Language Decal (220/240V Only)	1
5. Front Post (A4 version only)	1
6. Grip - Front (A4 version only)	1
7. Screw - M3 x 6 (A4 version only)	3
8. Knob screw (A4 version only)	3
9. NECR	1
10. Envelope - NECR (115V Only)	1

4.2 Installation Procedure



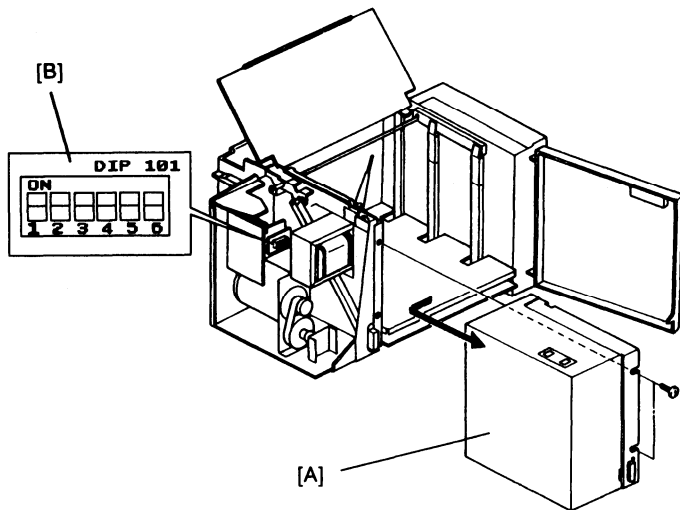
NOTE: The LCT can only be installed with the system table or the cassette bank.

1. Remove the three strips of tape [A].
2. Open the side cover and remove two strips of tape [B] on the top cover.
3. Open the top cover and remove the strip of tape [C] securing the stopper bar [D].
4. Turn off the main switch of the copier and unplug the power supply cord.
5. Remove the first and the second cassettes from the copier.



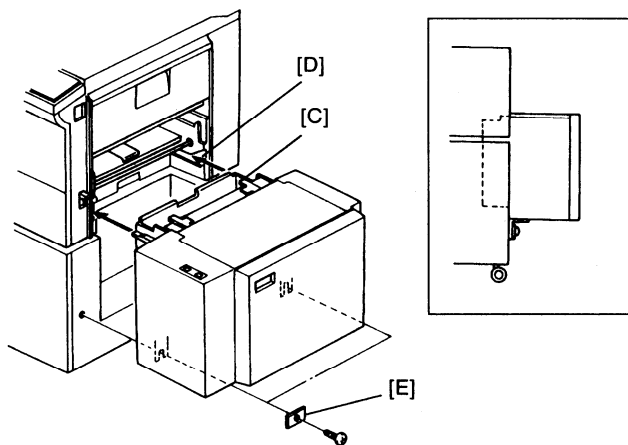
6. Remove the rear cover [E] (2 screws), and remove the toner collection bottle [F].
7. Remove the handle [G] on the bottom right side of the copier (2 stud screws) and remove the second cassette lift arm [H] (2 screws).

NOTE: Save this handle for future use when transporting the copier.



8. If a customer requests a different paper size from that initially set, change the position of the side posts accordingly. (A4 sideways does not need the front side post). Then, remove the front cover [A], and set Dip switch 101 [B] according to the paper size. (Dip switch table decal is stack on the rear of the front cover.)

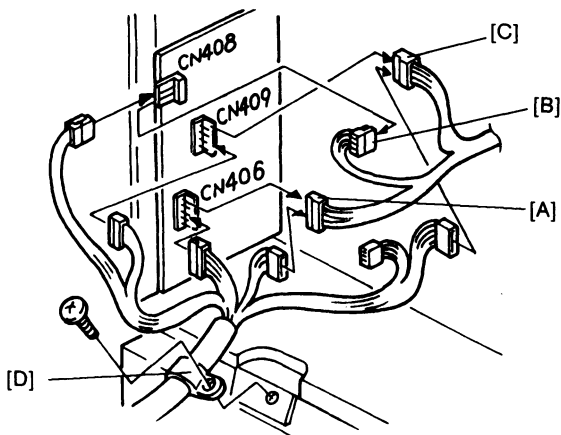
CAUTION: Do not change the harness that runs between the LCT main board and LCT indicator panel.



9. Insert the tray into the second cassette position.

NOTE: Make sure that the rib [C] fits into the groove [D].

10. Install the holder plates [E] (1 screw each).



11. Disconnect CN406 [A], CN408 [B], and CN409 [C] on the feed control board (right rear corner of the copier).
12. Connect the six tray harness connectors to the three free harness connectors and to the three connectors on the feed control board as follows:

TRAY	CONTROL BOARD
Female 4P	CN408
Female 10P	CN406
Female 12P	CN409
TRAY	FREE
Male 4P	4P
Male 10P	10P
Male 12P	12P

13. Using the nylon clamp [D] secure the harness to the bottom plate (1 screw).

14. Reinstall the toner collection bottle and the rear cover.
15. Plug in the power supply cords of both the large capacity tray and the copier.
16. Load paper into the tray.
17. Turn on the main switch of the copier, and check the tray operation.
18. Fill out the NECR.

9. Large Capacity Tray Schematic - 2,500 sheets

